

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	30-M-2	JoDAVISS	81	1
FED. ROAD DIST. NO.	ILLINOIS	CONTRACT NO.	64E29	

81+1=82

D-92-081-08

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**PROPOSED
HIGHWAY PLANS**

FAP ROUTE 301 US-20
SECTION 30-M-2
PROJECT HSIP-0301(059)
JoDAVISS COUNTY
C-92-046-09



400 South Green Street - S. 304
Chicago, Illinois 60607
Phone (312) 38-1522
Fax (312) 38-9792

KUDRNA
& ASSOCIATES, LTD.
www.kudrna.com

203 North Cass Avenue
Westmont, Illinois 60559
Phone (630) 969-3060
Fax (630) 969-3122

CIVIL ENGINEERING - PLANNING - DESIGN - LAND SURVEY - CONSTRUCTION MANAGEMENT

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED 1-23 2009

Steve Fessenbecker
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

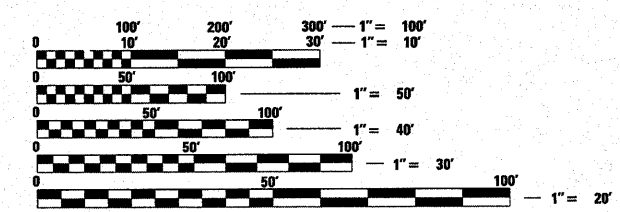
March 27, 2009
Charles J. Ingersoll
ENGINEER OF DESIGN AND ENVIRONMENT

March 27, 2009
Christine M. Reed
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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OF THE STATE OF ILLINOIS**

FOR INDEX OF SHEETS SEE SHEET 2
FOR STATE STANDARDS SEE SHEET 2

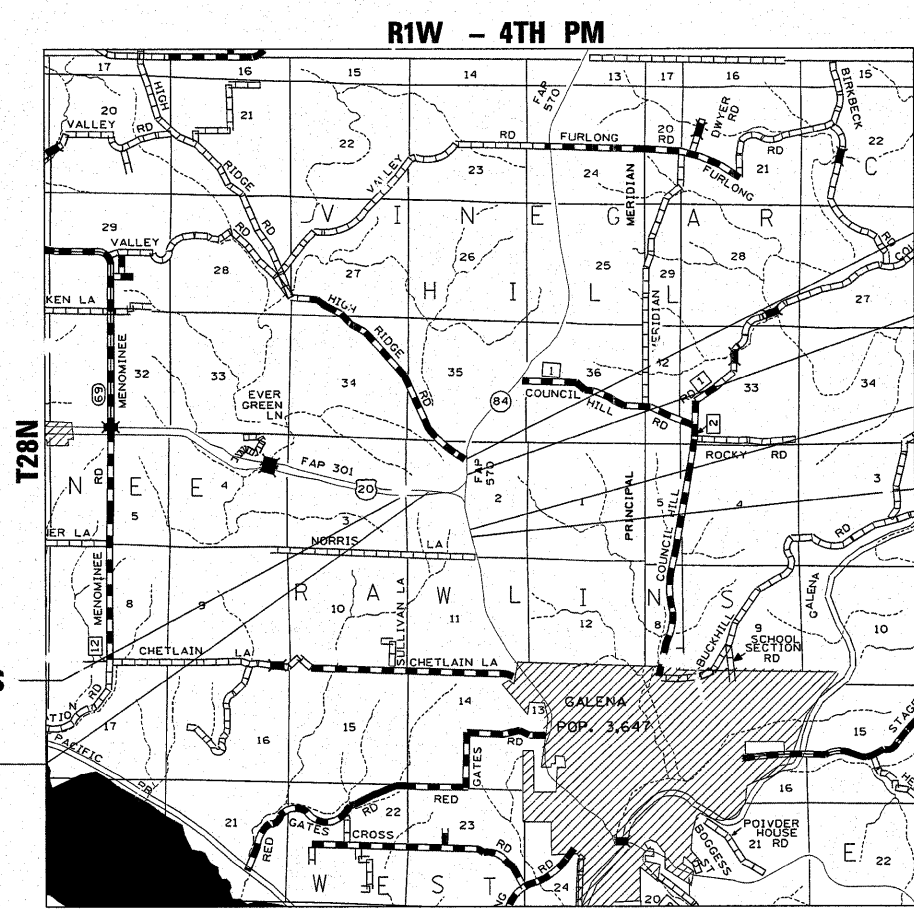
DESIGN DESIGNATION
US ROUTE 20 - OTHER PRINCIPLE ARTERIAL
IL ROUTE 84 - MINOR ARTERIAL
RAWLINS TOWNSHIP - SECTION 2



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: MASOOD AHMAD
PROJECT MANAGER: TRACI HELFRICH (815)-284-5932
CONSULTANT: KUDRNA & ASSOCIATES (630)-969-3060
CONTRACT NO. 64E29



IMPROVEMENT ENDS
STA. 1390 + 00 (IL-84)

SECTION ENDS
STA. 1383 + 00 (IL-84)

SECTION ENDS
STA. 596 + 83.22 (US-20)

IMPROVEMENT ENDS
STA. 598 + 00 (US-20)

IMPROVEMENT BEGINS
STA. 574 + 00 (US-20)

SECTION BEGINS
STA. 575 + 62 (US-20)

LOCATION MAP
GROSS LENGTH OF PROJECT = 2,121 FT. (0.40 MILES)
NET LENGTH OF PROJECT = 2,121 FT. (0.40 MILES)

Steven P. Fessenbecker
STEVEN P. FESSENBECKER, P.E.
LIC. NO. 062-051254
EXPIRES 11/30/2009

KUDRNA & ASSOCIATES, LTD.
ILLINOIS PROFESSIONAL DESIGN FIRM
LICENSE NO. 184-000920
EXPIRES 4/30/2009

INDEX OF SHEETS

1	COVER SHEET
2	INDEX OF SHEETS AND STATE STANDARDS
3-4	GENERAL NOTES
5-6	SUMMARY OF QUANTITIES
7-8	TYPICAL SECTIONS
9-12	SCHEDULE OF QUANTITIES
13-14	HORIZONTAL AND VERTICAL CONTROL
15-16	REMOVAL PLAN
17-18	ROADWAY PLAN AND PROFILE - IL-84
19-23	ROADWAY PLAN AND PROFILE - US-20
24-27	TRAFFIC STAGING PLANS (STAGE 1)
28-31	TRAFFIC STAGING PLANS (STAGE 2)
32-36	TRAFFIC STAGING PLANS (STAGE 3)
37-40	SEEDING AND EROSION CONTROL PLANS
41	PAVEMENT MARKING PLAN
42A	ID LIGHTING PLAN
43	SOLAR POWERED FLASHING BEACON AND SIGN DETAILS
44	CONTROL INSTALLATION SERVICE POLE MOUNTED
45	LIGHT POLE FOUNDATION
46	POLE STANDARDS
47	BORING LOGS
48	STORM WATER POLLUTION PREVENTION PLAN EROSION CONTROL PLAN (DIST STD 2.1)
49	ENTRANCE AND SIDEROADS WITH 2.4m(8') HOT-MIX ASPHALT SHOULDERS (DIST STD 22.1)
50-52	TYPICAL PAVEMENT MARKINGS (DIST STD 41.1)
53	DETAILS OF PLANTING AND BRACING TREES (DIST STD 92.1)
54	EROSION CONTROL DETAILS FOR SILT FENCE (DIST STD 29.2)
55	RIGHT TURN LANE CONSTRUCTION (DIST STD 43.2)
	SUPERELEVATION TRANSITION ON TWO-LANE HIGHWAY (DIST STD 45.2)
56	WITNESS MARKER & PERMANENT SURVEY MARKERS, TYPE II (DIST STD 66.2)
	HOT-MIX ASPHALT SHOULDERS (DIST STD 23.4a)
	DELINEATOR AND POST ORIENTATION (DIST. STD. 37.4)
57	TYPICAL BENCHING ON EXISTING EMBANKMENT (DIST STD 50.4)
	TREE REPLACEMENT SCHEDULE (DIST STD 90.4)
	RUMBLE STRIP RESURFACING (DIST STD 91.4)
	DRAIN FOR AGGREGATE BASE COURSE (DIST STD 96.4)
58	KIOSK SHELTER DETAILS
59-60	CROSS SECTIONS STAGE 1 CONSTRUCTION IL 84
61-66	CROSS SECTIONS STAGE 3 CONSTRUCTION IL 84
67-72	CROSS SECTIONS IL-84
73-81	CROSS SECTIONS US-20

STATE STANDARDS

000001-05	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
280001-04	TEMPORARY EROSION CONTROL SYSTEMS
442201-03	CLASS C AND D PATCHES
482001-02	HMA SHOULDER ADJACENT TO FLEXIBLE PAVEMENT
542301-02	PRECAST REINFORCED CONCRETE FLARED END SECTION
542401-01	METAL END SECTION FOR PIPE CULVERTS
602401-02	MANHOLE TYPE A
602701-02	MANHOLE STEPS
604001-03	FRAME AND LIDS TYPE 1
606301-04	PC CONCRETE ISLANDS AND MEDIANS
635001-01	DELINEATORS
701001-02	OFF-ROAD OPERATIONS, 2L, 2W, MORE THAN 15' AWAY
701006-03	OFF-ROAD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
701011-02	OFF-ROAD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701201-03	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS > 45 MPH
701301-03	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701306-02	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS - DAY ONLY, FOR SPEEDS > 45 MPH
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
701326-03	LANE CLOSURE, 2L, 2W, PAVEMENT WIDENING, FOR SPEEDS > 45 MPH
701331-03	LANE CLOSURE, 2L, 2W, WITH RUN-AROUND, FOR SPEEDS > 45 MPH
701901-01	TRAFFIC CONTROL DEVICES
704001-05	TEMPORARY CONCRETE BARRIER
720001-01	SIGN PANEL MOUNTING DETAILS
720006-02	SIGN PANEL ERECTION DETAILS
720011-01	METAL POSTS FOR SIGNS, MARKERS & DELINEATORS
728001-01	TELESCOPING STEEL SIGN SUPPORT
729001-01	APPLICATIONS OF TYPES A & B METAL POSTS (FOR SIGNS AND MARKERS)
780001-02	TYPICAL PAVEMENT MARKINGS
781001-03	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS

FILE NAME =	USER NAME = IDOTCAD	DESIGNED - SPF	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
W:\2298-03 - US 20 IL 84 Intersection\CADD Sheets\0208108-sht-gndgn	DRAWN - AJP	REVISED -	301			30-M-2	JoDAVIESS	81	02	
PLOT SCALE = 1:0000 / / IN.	CHECKED - JMS	REVISED -	CONTRACT NO. 64E29							
PLOT DATE = 1/22/2009	DATE - 01/23/09	REVISED -	SCALE:			SHEET NO. 01 OF 01 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT

GENERAL NOTES

See cross sections for special ditches and backslopes.

At the locations where Excavation Quantities on the plans are indicated as having been estimated, the Engineer will obtain original and final cross sections to determine Pay Quantities.

The removal of Bituminous Surfacing not on a rigid type base removed in conjunction with the base shall be removed as EARTH EXCAVATION. The removal of Bituminous Surfacing on a rigid type base removed in conjunction with the base shall be included in the contract unit price for PAVEMENT REMOVAL of the type specified.

The final top 100 mm (four inches) of soil in any right-of-way area disturbed by the Contractor must be capable of supporting vegetation. The soil must be from the A horizon (zero to 2' deep) of soil profiles of local soils.

The topsoil excavation quantities have been adjusted to allow for 25% shrinkage of topsoil between removal and replacement.

All Borrow/Waste/Use sites must be approved by the Department prior to removing any material from the project or initiating any earthmoving activities, including temporary stockpiling outside the limits of construction.

The Contractor shall seed all disturbed areas within the project limits. Seeding Class 4 or 2A shall be used, except in front of properties where the grass will be mowed, then use Seeding, Class 1. Class 2A shall be used on front slopes and ditch bottoms. Class 4 shall be used behind Type A gutter, on all backslopes and areas behind the backslope, and beyond the toe of front slope on fill sections without ditches.

Previously pugmilled stockpiles of "Type A" older than 1 month will not be approved for use until a moisture check is run to verify moisture content. Material shipped to projects without being tested will not be accepted.

Placement and compaction of the backfill for proposed across road culverts and existing across road culverts that are removed shall conform to Section 502.10 of the Standard Specifications, except that the material shall conform to Article 208.02 of the Standard Specifications, and shall be compacted to a minimum of 95% of the standard laboratory density. Any material conforming to the requirements of Article 1003.04 or 1004.05 which has been excavated from the trenches shall be used for backfilling the trenches. The entire excavation, within 2 feet outside of each shoulder, shall be backfilled with trench backfill material to the bottom of the proposed subgrade. This trench backfill material will not be measured for payment, but shall be included in the contract unit price for the class of concrete involved or other unit price item of the work for which it is required.

The subgrade on this project, exclusive of rock cut areas is scheduled to be improved to a 300 mm (12") depth according to Mechanistic Pavement Design. The areas scheduled to be improved to a depth greater than 300 mm (12") are estimated based on the original geotechnical investigation. The subgrade shall be processed in accordance with Article 301.03 of the Standard Specifications before the engineer shall determine the limits and the additional thickness of improvement required, if any. Any additional undercutting required after this evaluation shall be paid for as EARTH EXCAVATION.

Except for the top 75 mm (3"), all aggregate bases and subbases 300 mm (12") in thickness shall be constructed of aggregate gradation CA-2. If the specified thickness exceeds 300 mm (12"), the bases or subbases shall be constructed of topsize 150 mm (6") breaker-run crushed stone with 70% to 90% by weight, passing the 4" sieve and 15% to 40% by weight, passing the 50 mm (2") size sieve, except for the top 75 mm (3"). The breaker-run crushed stone shall be reasonably uniformly graded from coarse to fine and be taken from a quarry ledge capable of producing Class "D" quality aggregate. The top 75 mm (3") shall be gradation CA-6 or CA-10 regardless of thickness. The water necessary to achieve compaction in all but the top 75 mm (3") layer may be added after the subbase or base course is placed on the grade.

The existing hot-mix asphalt on private and commercial entrances shall be bladed off or milled and disposed of outside the project limits. This could be the entire entrance or tapered at the end depending on if the mainline is resurfaced or milled and resurfaced. The cost of the blading, milling, rolling, and disposal is included in the contract unit price for INCIDENTAL HOT-MIX ASPHALT SURFACING.

Place LEVELING BINDER (MACHINE METHOD) on curves to attain additional superelevation as indicated on the typical section. The curves requiring such treatment are included in the schedules. Estimated Total: 1478 tons.

The following Mixture Requirements are applicable for this project:

Mixture Uses(s):	Surface	Level Binder	Top Shoulder	Binder
PG:	PG 64-22	PG 64-22	PG 58-22	PG 64-22
Design Air Voids	4.0 @ N70	4.0 @ N70	3 @ N70	4.0 @ N70
Mixture Composition (Gradation Mixture)	IL 9.5 or 12.5	IL 9.5	IL 9.5 or 12.5	IL 19.0
Friction Aggregate	F	N/A	F	N/A
20 Year ESAL	5.9	5.9	N/A	5.9
Mix Unit Weight	119 lbs/sy/in		112 lbs/sy/in	

The Contractor will be required to furnish 140 mm (5 1/2") high brass stencils as approved by the Engineer and install stationing at 250' intervals. Stationing shall be placed on both lanes of 2-lane highways and on the outside lanes in both directions on 4-lane highways. The stations shall be placed 150 mm (6") inside the pavement marking edge so they can be read from the shoulder. This work will be included in the cost of the final pavement surface.

Reflective Crack Control shall be placed on the existing surface prior to any resurfacing, unless pavement is milled then it will be placed on the binder course.

On full depth pavement, shoulder widths of 1.8 m (6 ft.) or less may be placed, at the Contractor's option, simultaneously with the adjacent traffic lane for both the binder and surface courses, provided the cross slope of both the pavement and shoulder can be satisfactorily obtained. The shoulder will be paid for at the contract unit price per Square Meter (Square Yard) for HOT-MIX ASPHALT SHOULDERS of the thickness specified on the plans.

Culvert & bridge flows must be maintained throughout the project. Normal flow shall be allowed to pass at the rate it enters the jobsite. High flows shall be allowed to pass without causing damage to upstream properties.

The Contractor shall remove all entrance culverts in condition for reuse which are not to be left in place. They shall be cleaned and stored along the right of way as directed. In no case shall they be roughly handled or shoved by heavy machinery. Unusable material shall be disposed of by the Contractor at his expense. Cost of the work to be included in the contract unit price for EARTH EXCAVATION.

The proposed pipes for entrances and side roads shall be placed in line with the existing or proposed ditch line.

Connecting bands for corrugated metal pipes shall be metal and shall be coated with the same material as the pipe sections. The connecting bands shall be a minimum of 18" wide.

It is anticipated that several mailboxes will require relocation to the approach side of the entrances. When this is done, the contractor shall be required to mount the mailbox on a 100 mm x 100 mm (4" x 4") wood post 1 m (40 inches) above the shoulder surface and extending to a minimum of 0.6 m (24 inches) into the embankment. This work shall be included in the contract unit price for the EARTH EXCAVATION. There are an estimated 2 mailboxes to be relocated.

Noses of curbed corner islands noted as 1 & 2 on Highway Standard 606301 shall be ramped unless the curb function is for the protection of pedestrians, signals, light standards or sign truss supports.

Use M-10 (M-4) curb on islands when located adjacent to high speed traffic (80 km/h [50 mph] or greater), except use M-15 (M-6) on islands where traffic signals supports, sign truss supports, or any other post with a foundation generally larger than a standard highway sign is proposed. A stop sign is a standard highway sign.

The Contractor shall install a 450 mm (18") diameter formed opening in the Concrete Median Surface of the Island as directed by the Engineer. Also, a 75 mm (4") diameter formed opening shall be installed in each corner of the Island 300 mm (1 foot) behind the back of curb. All existing pavement surfaces of other existing obstructions beneath these openings shall be removed by the Contractor. After the median is in place the 450 mm (18") opening shall be cored down 1.2 m (4") and filled with dirt. All costs incurred shall be included in the contract unit price per Square Meter (Square Foot) for CONCRETE MEDIAN SURFACE, 100 mm (4 INCH).

The islands on this project are small islands as shown on the Detail of Island sheet in the plans.

The new manhole lids on this project shall have the word "STORM", "SANITARY", or "WATER" on the lid. The word to be used is noted on the plans. It will be the Contractor's responsibility to determine the word to be used on other lids not noted on the plans. No additional compensation will be allowed for this work.

All proposed manholes on this project shall be cast in place or precast. This work will be paid for at the contract unit price Each for MANHOLE of the type and size specified.

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W:\2298-03 - US 20 IL 84 Intersection\CADD Sheets\0208108-shtr\grndgn	DRAWN - AJP	REVISED -	301			30-M-2	JoDAVIESS	81	03	
PLOT SCALE = 1:8000 / IN.	CHECKED - JMS	REVISED -				CONTRACT NO. 64E29				
PLOT DATE = 1/21/2009	DATE - 01/23/09	REVISED -	SCALE:			SHEET NO. 01 OF 01 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT

GENERAL NOTES

Delineators shall be installed as shown in Standard 635001, except that the post shall be rotated 180° and only metal-backed delineators shall be permitted.

Delineators shall be placed at the ends of approach guardrail terminal sections, and at each headwall or end section of AR Culverts. This work will be paid for at the contract unit price each for DELINEATORS.

Pavement Marking shall be done according to Standard 780001, except as follows:

1. All words, such as ONLY, shall be 2.4 m (8 feet) high.
2. All non-freeway arrows shall be the large size.
3. The distance between yellow no-passing lines shall be 200 mm (8"), not 180 mm (7") as shown in the detail of Typical Lane and Edge Lines.

PERMANENT SURVEY MARKERS, TYPE II, shall be set at intervals of 1.6 Km (1 mile) or as directed by the Engineer. Bridge or culvert projects shall have one survey marker placed near the structure. Estimated: 1 Each.

Permanent Survey Markers, Type II shall be cast-in-place as shown on District Standard 66.2. The bottom of the marker shall be 5'-0" below the ground surface.

The Contractor shall submit to the Engineer a description of location, elevation, and coordinates for each permanent survey marker. The horizontal and vertical coordinates must be derived by GPS and the elevation derived by a closed level circuit. The Engineer shall submit this information to the Survey Crew.

The temporary concrete barrier shall be anchored to the pavement with 6 anchors per section at the following locations:
STA 1381+00 to STA 1383+00

Tree planting layout shall be performed by the District Landscape Architect. Mulch shall be placed 4" thick and to the diameter around the tree as shown on District Standard 92.1. The mulch shall be hardwood wood chips placed on weed barrier fabric. This work shall be included in the cost of the tree.

Work on this project will be in progress at the same time as work on US 20 from IL 84 to the Menominee River. Work on these projects shall be scheduled to keep interference between all the projects to a minimum. The contractors shall inform each other of progress of the projects and give fair warning to the other contractors when a problem might be encountered.

The Contractor shall be responsible for protecting utility property during construction operations as outlined in Article 107.31 of the Standard Specifications. A minimum of 48 hours advance notice is required for non-emergency work. The JULIE number is 800-892-0123. The following listed utilities located within the project limits or immediately adjacent to the project construction limits are members of JULIE:

MEDIACOM	BP PIPELINES NORTH AMERICA, INC
AT&T	JO-CARROLL ENERGY
NICOR	GAS CO MCLEOD USA

The applicable portions of Article 105.07 of the Standard Specification shall apply except for the following: The Contractor shall be responsible to locate the vertical depths of the underground utilities which may interfere with construction operations. This work will not be measured or paid for separately, but shall be considered as included in the unit bid price for the item of construction involved.

Per SB 699 (90 day utility relocation law), once right-of-way is clear to award the project, a notice will be sent to the utility companies instructing them to have their facilities relocated within 90 days. Estimated date relocation complete = Letting Date + 135 days.

CADD data will be available to Contractors and Consultants working on this project. This information will be provided upon request as MicroStation CADD files and Geopak coordinate geometry files ONLY. If data is required in other formats it will be your responsibility to make these conversions. If any discrepancy or inconsistency arises between the electronic data and the information on the hard copy, the information on the hard copy should be used. Contact the District's Project Engineer to request these files.

It shall be the Contractor's responsibility to contact the municipality to determine approved methods of utility structure adjustment. Utility structures may include, but are not limited to, manholes, water valves, handholes, etc. All materials and work necessary to complete adjustments per municipality requirements shall be considered included in the cost of the associated adjustment pay item.

The fence area does not contain livestock, no temporary fence will be required.

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W:\2298-03 - US 20 IL 84 Intersection\CADD Sheets\0208108-shr-gn.dgn	DRAWN - AJP	REVISED -	301			30-M-2	JoDAVISS	81	04	
PLOT SCALE = 1:8000 1/4" = 1'	CHECKED - JMS	REVISED -	CONTRACT NO. 64E29							
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SUMMARY OF QUANTITIES

CODE NUMBER	ITEM	UNIT	90% FED. 10% STATE 1000-1A TOTAL
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	160
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	437
20200100	EARTH EXCAVATION	CU YD	27329
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	4543
* 25000210	SEEDING, CLASS 2A	ACRE	3
* 25000310	SEEDING, CLASS 4	ACRE	3.25
* 25000400	NITROGEN FERTILIZER NUTRIENT	POUND	555
* 25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	555
* 25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	555
+ 25000750	MOWING	ACRE	3
25100115	MULCH, METHOD 2	ACRE	6
25100630	EROSION CONTROL BLANKET	SQ YD	1616
25100900	TURF REINFORCEMENT MAT	SQ YD	75
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	2464
28000300	TEMPORARY DITCH CHECKS	EACH	81
28000400	PERIMETER EROSION BARRIER	FOOT	6224
28000500	INLET AND PIPE PROTECTION	EACH	13
28100107	STONE RIPRAP, CLASS A4	SQ YD	55
31100935	SUB-BASE GRANULAR MATERIAL, TYFF A 18"	SQ YD	1742
31100965	SUB-BASE GRANULAR MATERIAL, TYPE A 24"	SQ YD	1052
31100975	SUB-BASE GRANULAR MATERIAL, TYPE A 30"	SQ YD	1749
35101400	AGGREGATE BASE COURSE, TYPE B	TON	1673
40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	30
* SPECIALTY ITEMS			
X SEE SPECIAL PROVISIONS			

+ NON-PARTICIPATING 100% STATE

CODE NUMBER	ITEM	UNIT	90% FED. 10% STATE 1000-1A TOTAL
40600300	AGGREGATE (PRIME COAT)	TON	22
40600635	LEVELING BINDER (MACHINE METHOD), N70	TON	1478
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	160
40600990	TEMPORARY RAMP	SQ YD	44
40603085	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	TON	2408
40603390	HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N70	TON	1609
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	40
44000100	PAVEMENT REMOVAL	SQ YD	6403
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	97
44201383	CLASS C PATCHES, TYPE IV, 12 INCH	SQ YD	27
44300200	STRIP REFLECTIVE CRACK CONTROL TREATMENT	FOOT	1762
48203019	HOT-MIX ASPHALT SHOULDERS, 5 1/2"	SQ YD	1232
48203023	HOT-MIX ASPHALT SHOULDERS, 6 1/2"	SQ YD	1851
48203029	HOT-MIX ASPHALT SHOULDERS, 8"	SQ YD	1525
X 50105200	REMOVE EXISTING CULVERTS	EACH	2
542A0229	PIPE CULVERTS, CLASS A, TYPE 1 24"	FOOT	175
542A1081	PIPE CULVERTS, CLASS A, TYPE 2 36"	FOOT	116
542D0220	PIPE CULVERTS, CLASS D, TYPE 1 15"	FOOT	315
5421D015	PIPE CULVERTS, CLASS D, TYPE 1 15" (TEMPORARY)	FOOT	100
5421D024	PIPE CULVERTS, CLASS D, TYPE 1 24" (TEMPORARY)	FOOT	200
54213450	END SECTIONS 15"	EACH	16
54213669	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	EACH	4
54213681	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 36"	EACH	2
* SPECIALTY ITEMS			
X SEE SPECIAL PROVISIONS			

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PLOT DATE = 1/22/2009		DATE - 01/23/09	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: SHEET NO. 01 OF 01 SHEETS STA. TO STA.

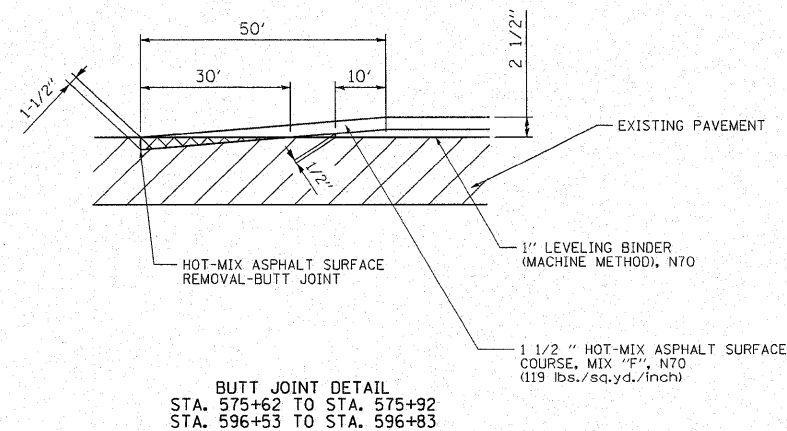
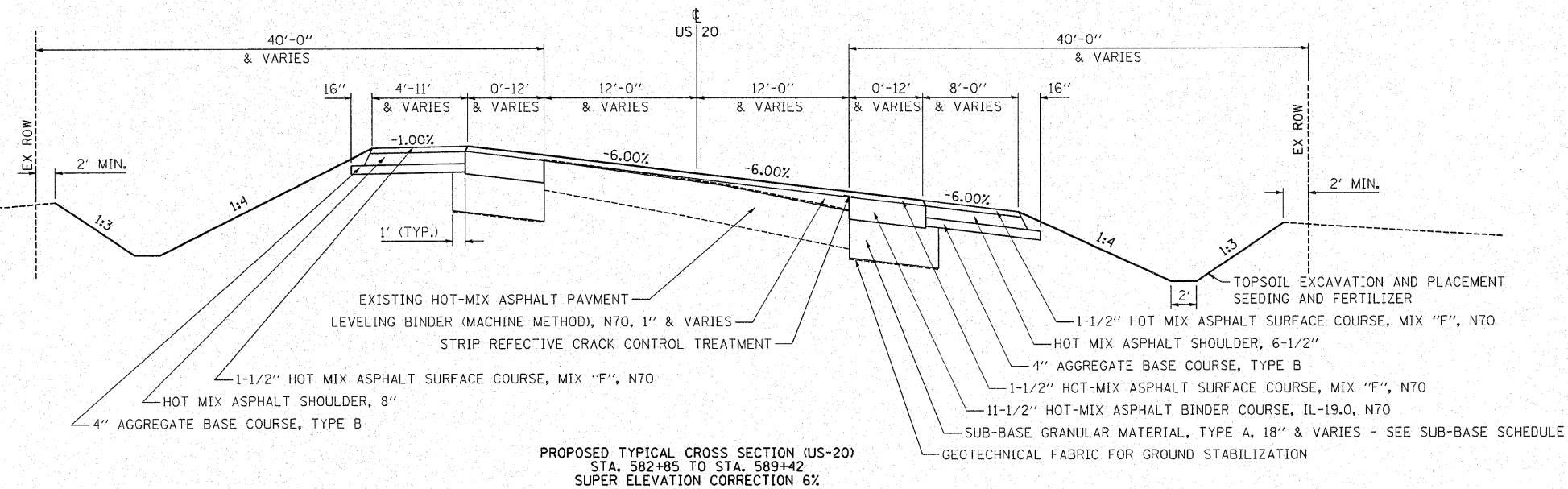
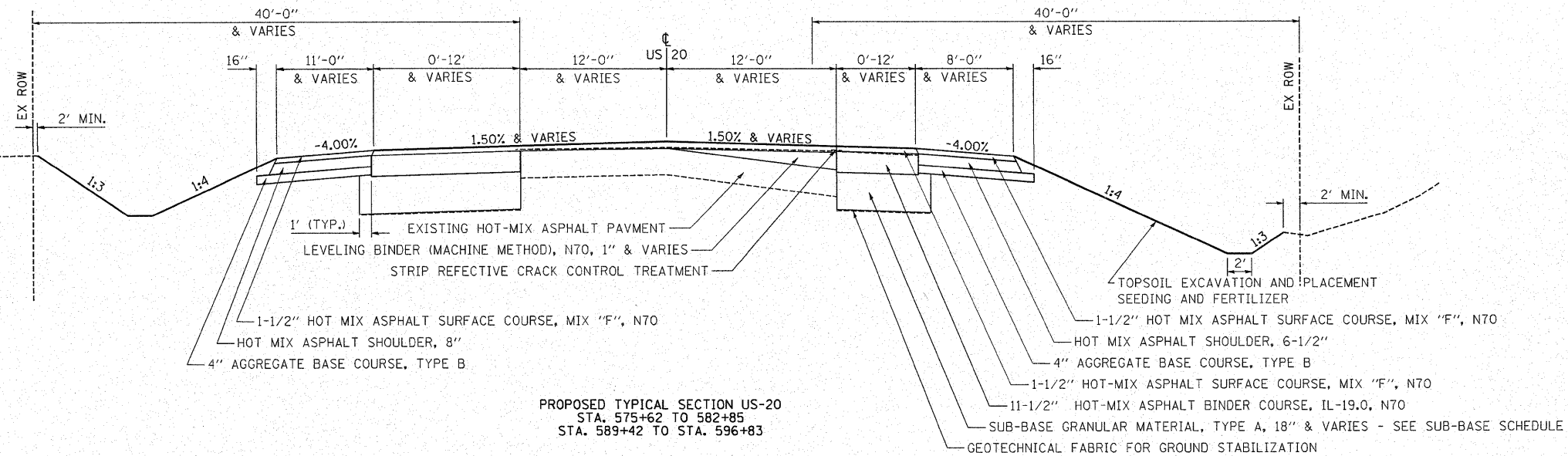
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	30-M-2	JoDAVISS	81	05
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FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES

CODE NUMBER	ITEM	UNIT	90% FED. 10% STATE 1000-1A TOTAL
60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1
60608600	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-8.06	FOOT	51
60618300	CONCRETE MEDIAN SURFACE, 4 INCH	SQ FT	157
63500105	DELINEATORS	EACH	6
66700305	PERMANENT SURVEY MARKERS, TYPE II	EACH	1
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6
67100100	MOBILIZATION	L SUM	1
70100200	TRAFFIC CONTROL AND PROTECTION, STANDARD 701331	EACH	1
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1
70100500	TRAFFIC CONTROL AND PROTECTION, STANDARD 701326	L SUM	1
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	20
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	1584
70300610	TEMPORARY PAINT PAVEMENT MARKING, LETTERS AND SYMBOLS	SQ FT	31.2
70300625	TEMPORARY PAINT PAVEMENT MARKING LINE 4"	FOOT	35000
70300660	TEMPORARY PAINT PAVEMENT MARKING LINE 24"	FOOT	36
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	6928
70400100	TEMPORARY CONCRETE BARRIER	FOOT	150
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	124.8
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	14929
* 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	726
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	713
* SPECIALTY ITEMS			
X SEE SPECIAL PROVISIONS			

CODE NUMBER	ITEM	UNIT	90% FED. 10% STATE 1000-1A TOTAL
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	30
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	144
78300100	PAVEMENT MARKING REMOVAL	SQ FT	4200
* 80400100	ELECTRIC SERVICE INSTALLATION	EACH	1
* 81020500	CONDUIT PUSHED, 2" DIA., INTERMEDIATE METAL	FOOT	160
* 81603000	UNIT DUCT, 600V, 2-1C NO.8, 1/C NO.8 GROUND, (XLP-TYPE USE), 3/4" DIA. POLYETHYLENE	FOOT	360
* 81900200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	200
* 82102250	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 250 WATT	EACH	3
* 82500605	LIGHTING CONTROLLER PHOTOCCELL RELAY	EACH	1
* 83008600	LIGHT POLE, ALUMINUM, 40 FT. M.H., 15 FT. MAST ARM	EACH	3
* 83600300	LIGHT POLE FOUNDATION, 30" DIAMETER	FOOT	18
* 83800650	BREAKAWAY DEVICE, COUPLING, WITH STAINLESS STEEL SCREEN	EACH	12
* A2002914	TREE, CELTIS OCCIDENTALIS (COMMON HACKBERRY), 1-3/4" CALIPER, BALLED AND BURLAPPED	EACH	14
* A2006714	TREE, QUERCUS MACROCARPA (BUR OAK), 1-3/4" CALIPER, BALLED AND BURLAPPED	EACH	20
* X XX005938	SOLAR-POWERED FLASHING BEACON ASSEMBLY (COMPLETE)	EACH	2
X XX005896	CONCRETE PAD REMOVAL	SQ FT	451
X X0323653	REMOVE AND RELOCATE INFORMATION KIOSK	EACH	1
X X0325519	DRAIN FOR AGGREGATE BASE COURSE	SQ YD	143
X X0712400	TEMPORARY PAVEMENT	SQ YD	3759
X X0919000	TEMPORARY PAVEMENT REMOVAL	SQ YD	3759
X X4402200	PAVEMENT REMOVAL (CONCRETE)	SQ YD	214
X Z0013798	CONSTRUCTION LAYOUT	L SUM	1
X Z0018700	DRAINAGE STRUCTURE TO BE REMOVED	EACH	1
* X Z0030250	IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3	EACH	2
X Z0055100	RUMBLE RESURFACING	SQ YD	100
* SPECIALTY ITEMS			
X SEE SPECIAL PROVISIONS			

PROPOSED TYPICALS US 20



FILE NAME =	USER NAME = IDOTCAD	DESIGNED - SPF	REVISED -
W:\2298-03 - US 20 IL 84 Intersection\CAD Sheets\0208108-shr-typical.dgn		DRAWN - AJP	REVISED -
PLOT SCALE = 6.0000 1 / IN.		CHECKED - JMS	REVISED -
PLOT DATE = 1/21/2009		DATE - 01/23/09	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

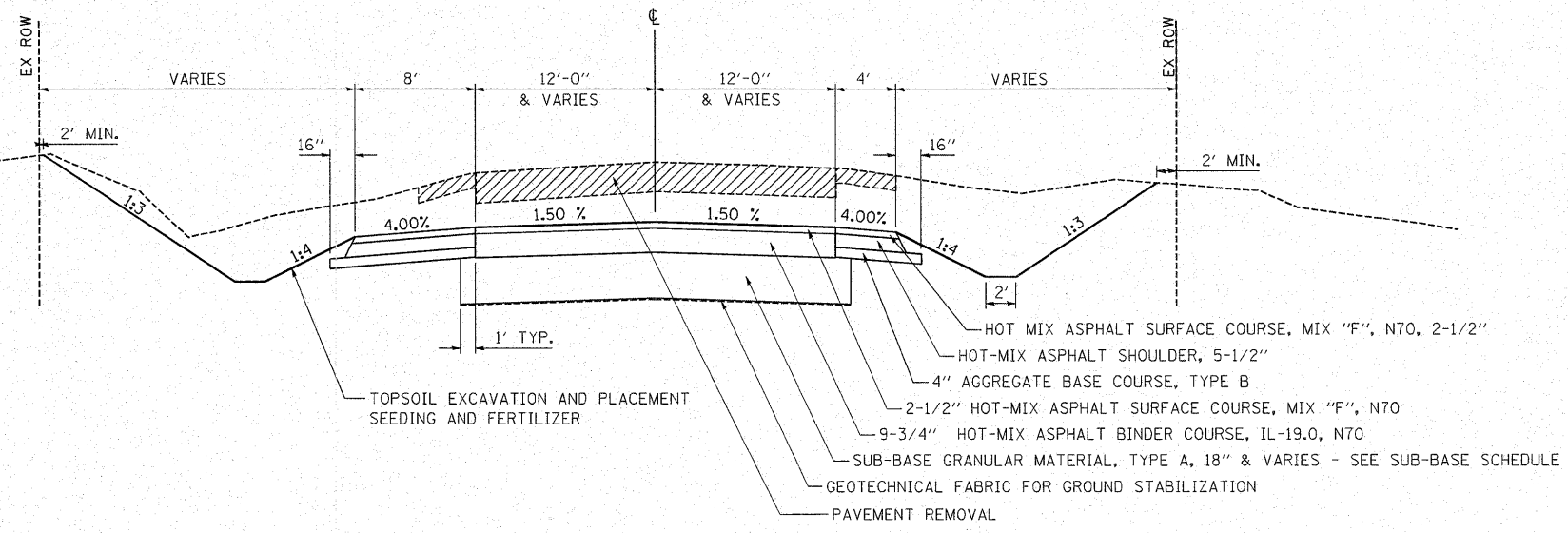
TYPICAL SECTIONS

SCALE: SHEET NO. 1 OF 2 SHEETS STA. TO STA.

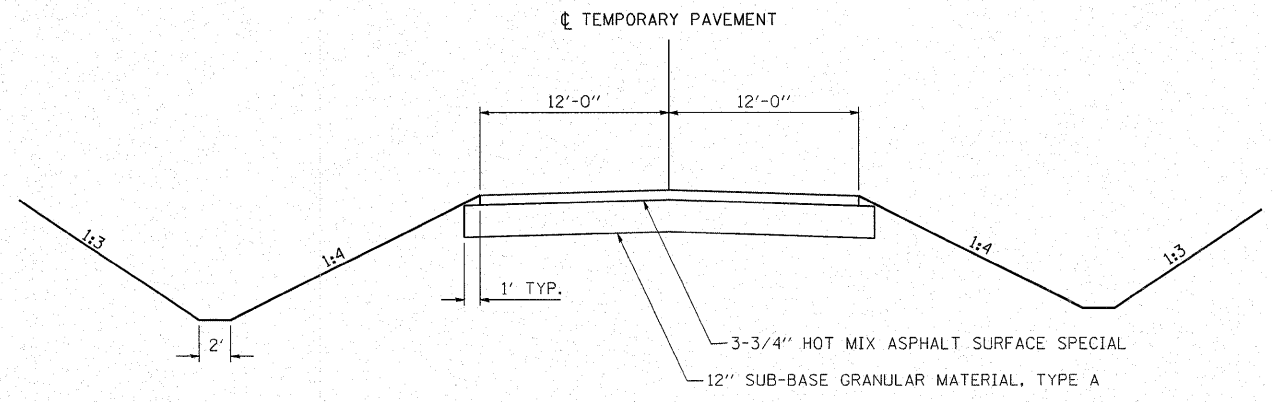
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	30-M-2	JoDAVISS	81	07
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 64E29	

PROPOSED TYPICALS

IL 84

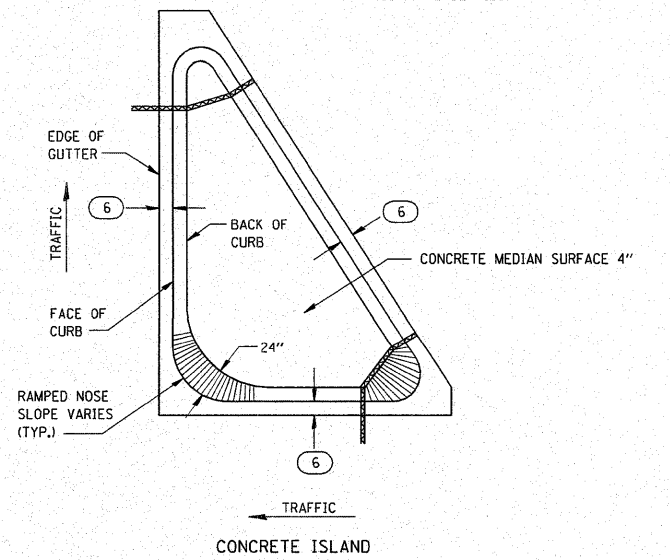


PROPOSED TYPICAL CROSS SECTION
IL-84
STA. 1347+46.50 TO STA. 1383+00



TEMPORARY PAVEMENT
USED FOR TEMPORARY RUN AROUND
IL-84, STAGE 3

- GENERAL NOTES:**
1. THE CURB AND GUTTER CONFIGURATION SHALL BE M-6.06
 2. SEE STD. 606001 & AND 606301 FOR ADDITIONAL DETAILS.



FILE NAME =	USER NAME = IDOTCAD	DESIGNED - SPF	REVISED -	STATE OF ILLINOIS			
W:\2298-03 - US 20 IL 84 Intersection\CAD Sheets\0208109-shr-typical.dgn		DRAWN - AJP	REVISED -	DEPARTMENT OF TRANSPORTATION		TYPICAL SECTIONS	
		CHECKED - JMS	REVISED -			SCALE:	
		DATE - 01/23/09	REVISED -			SHEET NO. 2 OF 2 SHEETS	STA. TO STA.
						F.A. RTE. 301	SECTION 30-M-2
						COUNTY JoDAVISS	TOTAL SHEETS 81
							SHEET NO. 08
						CONTRACT NO. 64E29	
						ILLINOIS FED. AID PROJECT	

SCHEDULE OF QUANTITIES

20100110 TREE REMOVAL (6 TO 15 UNITS DIAMETER)

UNIT (IN)	LOCATION	QUANTITY
12	580+57	54 LT
12	580+57	54 LT
14	580+57	54 LT
12	580+72	72 RT
13	580+72	72 RT
15	580+72	72 RT
10	1377+80	68 LT
11	1377+80	68 LT
13	1377+80	68 LT
6	1377+95	68 LT
13	1377+95	68 LT
9	1377+95	68 LT
8	1377+95	68 LT
12	1380+12	71 LT
160	TOTAL	

20100210 TREE REMOVAL (OVER 15 UNITS DIAMETER)

UNIT (IN)	LOCATION	QUANTITY
39	1375+88	33 RT
49	1375+93	35 RT
23	1376+29	10 RT
29	1376+36	2 RT
17	1376+64	9 LT
18	1377+95	68 LT
16	1378+97	34 LT
21	1378+47	45 LT
19.5	1378+73	54 LT
21	1378+47	24 LT
26	1379+17	36 LT
16	1379+37	36 LT
20.5	1379+56	39 LT
16.5	1379+73	40 LT
16	1379+92	38 LT
19	1380+10	54 LT
18	580+90	30 LT
18	580+90	35 LT
17	580+72	72 RT
17	580+72	72 RT
437	TOTAL	

28000300 TEMPORARY DITCH CHECKS

EACH	LOCATION	QUANTITY
1	577+00 LT	1
1	577+50 LT	1
1	578+00 RT, LT	1
1	578+50 LT	1
2	579+00 RT, LT	2
2	579+50 RT, LT	2
2	580+00 RT, LT	2
2	580+50 RT, LT	2
1	581+00 LT	1
1	581+50 LT	1
1	582+00 LT	1
1	582+50 LT	1
1	583+00 LT	1
1	583+50 LT	1
1	584+00 LT	1
1	584+50 LT	1
1	585+00 LT	1
1	587+00 LT	1
1	587+50 LT	1
1	589+00 RT	1
1	589+50 RT	1
1	590+00 RT	1
1	590+50 RT	1
1	591+00 RT	1
1	591+50 RT	1
1	592+50 LT	1
1	594+00 LT	1
1	594+50 LT	1
1	595+00 LT	1
1	595+50 LT	1
1	596+00 LT	1
1	596+50 LT	1
1	1375+00 RT	1
1	1376+00 RT	1
2	1376+50 RT, LT	2
2	1377+00 RT, LT	2
2	1377+50 RT, LT	2
3	1378+00 RT, LT	3
3	1378+50 RT, LT	3
3	1379+00 RT, LT	3
3	1379+50 RT, LT	3
1	1380+00 RT	1
1	1380+50 RT	1
3	1381+00 RT, LT	3
2	1381+50 LT	2
2	1382+50 LT	2
2	1383+00 LT	2
2	1383+50 LT	2
2	1384+00 LT	2
2	1384+50 LT	2
1	1385+00 LT	1
1	1385+50 LT	1
1	1386+00 LT	1
1	1386+50 LT	1
1	1387+00 LT	1
1	1387+50 LT	1
1	1388+00 LT	1
1	1388+50 LT	1
81	TOTAL	

28000400 PERIMETER EROSION BARRIER

FOOT	LOCATION	QUANTITY
2174	US 20 - 575+62 - 596+80 RT	2174
964	US 20 - 575+62 - 586+10 LT	964
794	US 20 - 586+10 - 595+80 LT	794
809	IL 84 - 1375+50 - 1383+00 RT	809
1483	IL 84 - 1375+50 - 1390+00 LT	1483
6224	TOTAL	

28000500 INLET AND PIPE PROTECTION

EACH	LOCATION	QUANTITY
1	US 20 - 576+12 RT	1
1	US 20 - 580+80 LT	1
1	US 20 - 591+25 LT	1
1	US 20 - 591+80 RT	1
1	US 20 - 593+25 LT	1
2	IL 84 - 1375+50 RT, LT	2
1	IL 84 - 1376+80 LT	1
2	IL 84 - 1380+10 LT	2
2	IL 84 - 1382+00 LT	2
1	IL 84 - 1388+40 LT	1
13	TOTAL	

35101400 AGGREGATE BASE COURSE, TYPE B

TON	LOCATION	QUANTITY
475	575+82 - 596+83 RT	475
401	575+82 - 596+83 LT	401
	IL 84	
112	1347+66 - 1383+00 RT	112
211	1347+66 - 1383+00 LT	211
	ENTRANCES	
129	1380+41 LT	129
40	1388+60 LT	40
61	576+07 LT	61
55	576+01 RT	55
49	591+89 LT	49
115	592+01 RT	115
25	593+49 LT	25
1673	TOTAL	

40600982 HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT

SQ YD	LOCATION	QUANTITY
80	US 20 - 575+62	80
80	US 20 - 596+83	80
160	TOTAL	

40600990 TEMPORARY RAMP

SQ YD	LOCATION	QUANTITY
22	US 20 - 575+62	22
22	US 20 - 596+83	22
44	TOTAL	

44000100 PAVEMENT REMOVAL

SQ YD	LOCATION	QUANTITY
3599	IL 84 PAVEMENT	3599
1458	1379+63 TO 582+39	1458
157	1377+55	157
893	1376+00	893
296	587+48	296
6403	TOTAL	

44000200 DRIVEWAY PAVEMENT REMOVAL

SQ YD	LOCATION	QUANTITY
40	590+50 LT	40
33	591+60 LT	33
24	592+30 LT	24
97	TOTAL	

44201383 CLASS C PATCHES, TYPE IV, 12 INCH

SQ YD	LOCATION	QUANTITY
27	US 20 - 580+80	27
27	TOTAL	

44300200 STRIP REFLECTIVE CRACK CONTROL TREATMENT

FOOT	LOCATION	QUANTITY
362	586+88 - 590+50 LT	362
1400	577+00 - 591+00 RT	1400
1762	TOTAL	

50105200 REMOVE EXISTING CULVERTS

EACH	LOCATION	QUANTITY
1	US 20 - 580+80	1
1	IL 84 - 1381+98	1
2	TOTAL	

542A0229 PIPE CULVERTS, CLASS A, TYPE 1 24"

FOOT	LOCATION	QUANTITY
105	IL 84 - 1375+50	105
70	IL 84 - 1381+98	70
175	TOTAL	

542A1081 PIPE CULVERTS, CLASS A, TYPE 2 36"

FOOT	LOCATION	QUANTITY
116	US 20 - 580+77	116
116	TOTAL	

542D0220 PIPE CULVERTS, CLASS D, TYPE 1 15"

FOOT	LOCATION	QUANTITY
50	IL 84 - 1380+41 LT	50
50	IL 84 - 1388+60 LT	50
45	US 20 - 576+01 RT	45
70	US 20 - 591+69 LT	70
50	US 20 - 592+01 RT	50
50	US 20 - 593+49 LT	50
315	TOTAL	

5421D015 PIPE CULVERTS, CLASS D, TYPE 1 15" (TEMPORARY)

FOOT	LOCATION	QUANTITY
50	IL 84 - 1380+41, 35' LT STAGE 3	50
50	IL 84 - 1380+41, 100' LT STAGE 3	50
100	TOTAL	

5421D024 PIPE CULVERTS, CLASS D, TYPE 1 24" (TEMPORARY)

FOOT	LOCATION	QUANTITY
80	IL 84 - 1375+50 LT STAGE 1	80
50	IL 84 - 1381+98 LT STAGE 3	50
70	2376+48 TEMPORARY PAVEMENT	70
200	TOTAL	

54213450 END SECTIONS 15"

EACH	LOCATION	QUANTITY
2	IL 84 - 1380+41 LT	2
2	IL 84 - 1380+41, 35' LT STAGE 3	2
2	IL 84 - 1380+41, 100' LT STAGE 3	2
2	IL 84 - 1388+60 LT	2
2	US 20 - 576+01 RT	2
2	US 20 - 591+69 LT	2
2	US 20 - 592+01 RT	2
2	US 20 - 593+49 LT	2
16	TOTAL	

54213669 PRECAST REIN. CONC. FLARED END SECTIONS 24"

EACH	LOCATION	QUANTITY
2	IL 84 - 1375+50 RT, LT	2
2	IL 84 - 1381+98 RT, LT	2
4	TOTAL	

54213681 PRECAST REIN. CONC. FLARED END SECTIONS 36"

EACH	LOCATION	QUANTITY
2	US 20 - 580+77 LT, RT	2
2	TOTAL	

60221100 MANHOLES, TY. A, 5'-DIA. TY. 1 FRAME, CLOSED LID

EACH	LOCATION	QUANTITY
1	US 20 - 580+83 RT	1
1	TOTAL	

60608600 COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.06

FOOT	LOCATION	QUANTITY
51	585+66 - 585+85 ISLAND	51
51	TOTAL	

60618300 CONCRETE MEDIAN SURFACE, 4 INCH

SQ FT	LOCATION	QUANTITY
157	585+66 - 585+85 ISLAND	157
157	TOTAL	

63500105 DELINEATORS

EACH	LOCATION	QUANTITY
2	US 20 - 580+77 LT, RT	2
2	IL 84 - 1381+98 LT, RT	2
2	IL 84 - 1375+50 LT, RT	2
6	TOTAL	

SCHEDULE OF QUANTITIES

70300100 SHORT-TERM PAVEMENT MARKING

FOOT	LOCATION	
	US 20	
288	574+00 - 598+00	WHITE RT EDGE 3 APPLICATIONS
720	574+00 - 598+00	DOUBLE YELLOW 3 APPLICATIONS
288	574+00 - 598+00	WHITE LT EDGE 3 APPLICATIONS
288	574+00 - 598+00	WHITE SHOULDER DIAGONALS 3 APPLICATIONS
1584	TOTAL	

70300610 TEMPORARY PAINT PAVEMENT MARKING - LETTERS AND SYMBOLS

SQ FT	LOCATION	
15.6	TURN ARROWS	
15.6	TURN ARROWS	
31.2	TOTAL	

70300625 TEMPORARY PAINT PAVEMENT MARKING - LINE 4"

FOOT	LOCATION	
	US 20	
2400	574+00 - 598+00	WHITE RT EDGE STAGE 1
4800	574+00 - 598+00	DOUBLE YELLOW STAGE 1
2400	574+00 - 598+00	WHITE LT EDGE STAGE 1
2400	574+00 - 598+00	WHITE RT EDGE STAGE 2
4800	574+00 - 598+00	DOUBLE YELLOW STAGE 2
2400	574+00 - 598+00	WHITE LT EDGE STAGE 2
2400	574+00 - 598+00	WHITE RT EDGE STAGE 3
4800	574+00 - 598+00	DOUBLE YELLOW STAGE 3
2400	574+00 - 598+00	WHITE LT EDGE STAGE 3
	IL 84	
1550	1375+00 - 1390+50	WHITE RT EDGE STAGE 3
3100	1375+00 - 1390+50	DOUBLE YELLOW STAGE 3
1550	1375+00 - 1390+50	WHITE LT EDGE STAGE 3
35000	TOTAL	

70300660 TEMPORARY PAINT PAVEMENT MARKING - LINE 24"

FOOT	LOCATION	
18	1375+00	WHITE STOP BAR
18	1374+90	WHITE STOP BAR
36	TOTAL	

70301000 WORK ZONE PAVEMENT MARKING REMOVAL

SQ FT	LOCATION	
528	SHORT TERM PAVEMENT MARKING	
6400	TEMP PAVEMENT MARKING	
6928	TOTAL	

70400100 TEMPORARY CONCRETE BARRIER

FOOT	LOCATION	
150	1381+25 - 1382+75	
150	TOTAL	

78000100 THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS

SQ FT	LOCATION	
15.6	US 20 - 582+62	WHITE TURN ARROW
15.6	US 20 - 584+20	WHITE TURN ARROW
15.6	US 20 - 584+79	WHITE TURN ARROW
15.6	US 20 - 585+37	WHITE TURN ARROW
15.6	US 20 - 587+08	WHITE TURN ARROW
15.6	US 20 - 587+66	WHITE TURN ARROW
15.6	US 20 - 588+24	WHITE TURN ARROW
15.6	US 20 - 588+83	WHITE TURN ARROW
124.8	TOTAL	

78000200 THERMOPLASTIC PAVEMENT MARKING - LINE 4"

FOOT	LOCATION	
	EDGE OF ROADWAY	
1276	575+62 - 582+00	WHITE
1450	582+00 - 596+83	WHITE
1175	582+00 - 1383+00	WHITE
1894	596+83 - 1383+00	WHITE
	MEDIAN	
2394	575+62 - 582+00	DOUBLE YELLOW
566	582+00 - 583+42	DOUBLE YELLOW
2344	586+54 - 592+41	DOUBLE YELLOW
570	1376+30 - 1374+89	DOUBLE YELLOW
	CENTERLINE	
800	1379+00 - 1383+00	DOUBLE YELLOW
540	1376+30 - 1379+00	DOUBLE YELLOW
888	592+41 - 596+83	DOUBLE YELLOW
80	575+62 - 576+02	DOUBLE YELLOW
428	583+42 - 585+57	DOUBLE YELLOW

FOOT	LOCATION	
	PARKING LOT	
524		25 STALLS
14929	TOTAL	

78000500 THERMOPLASTIC PAVEMENT MARKING - LINE 8"

FOOT	LOCATION	
	US 20	
54	581+22 - 583+42	WHITE SKIP DASH
210	583+42 - 585+57	LEFT TURN LANE
254	586+54 - 589+03	RIGHT TURN LANE
48	589+03 - 591+23	WHITE SKIP DASH
	ISLAND	
160	OUTER	WHITE EDGE
726	TOTAL	

78000800 THERMOPLASTIC PAVEMENT MARKING - LINE 12"

FOOT	LOCATION	
	US 20	
223	576+02 - 583+42	YELLOW MEDIAN DIAGONAL
187	586+54 - 592+41	YELLOW MEDIAN DIAGONAL
142	575+62 - 585+00	WHITE SHOULDER DIAGONAL
	IL 84	
34	1374+88 - 1376+30	YELLOW MEDIAN DIAGONAL
	ISLAND	
127		WHITE DIAGONALS
713	TOTAL	

78000650 THERMOPLASTIC PAVEMENT MARKING - LINE 24"

FOOT	LOCATION	
18	1375+02	WHITE STOP BAR
12	1374+89	WHITE STOP BAR
30	TOTAL	

78100100 RAISED REFLECTIVE PAVEMENT MARKER

EACH	LOCATION	
	US 20	
55	575+62 - 585+57	TWO WAY AMBER
41	586+54 - 596+83	TWO WAY AMBER
11	583+42 - 585+57	ONE WAY CRYSTAL
13	586+54 - 589+03	ONE WAY CRYSTAL
	IL 84	
24	1374+88 - 1383+00	TWO WAY AMBER
144	TOTAL	

78300100 PAVEMENT MARKING REMOVAL

SQ FT	LOCATION	
	IL 84	
250	1383+00 - 1390+50	EDGE LINE
500	1383+00 - 1390+50	DOUBLE CENTERLINE
250	1383+00 - 1390+50	EDGE LINE
	US 20	
800	574+00 - 598+00	EDGE LINE
1600	574+00 - 598+00	DOUBLE CENTERLINE
800	574+00 - 598+00	EDGE LINE
4200	TOTAL	

80400100 ELECTRIC SERVICE INSTALLATION

EACH	LOCATION	
1	US 20/ IL 84	
1	TOTAL	

81020500 CONDUIT PUSHED, 2" DIA., INTERMEDIATE METAL

FOOT	LOCATION	
80	586+80	
80	575+20	
160	TOTAL	

81603000 UNIT DUCT, 600V, 2-1C NO.8, 1/C NO.8 GROUND, (XLP-TYPE USE), 3/4" DIA. POLYETHYLENE

FOOT	LOCATION	
380	SERVICE TO POLES	
380	TOTAL	

81900200 TRENCH AND BACKFILL FOR ELECTRICAL WORK

FOOT	LOCATION	
200	IL 84 1375+20	
200	TOTAL	

82102250 LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 250 WATT

EACH	LOCATION	
1	584+98, 31 LT	
1	586+32, 77 LT	
1	586+77, 41 RT	
3	TOTAL	

82500605 LIGHTING CONTROLLER PHOTOCCELL RELAY

EACH	LOCATION	
1	IL 84 - 1375+28 90' LT	
1	TOTAL	

83008600 LIGHT POLE, ALUMINUM, 40 FT. M.H., 15 FT. MAST ARM

EACH	LOCATION	
1	584+98, 31 LT	
1	586+32, 77 LT	
1	586+77, 41 RT	
3	TOTAL	

83600300 LIGHT POLE FOUNDATION, 30" DIAMETER

FOOT	LOCATION	
6	584+98, 31 LT	
6	586+32, 77 LT	
6	586+77, 41 RT	
18	TOTAL	

83800650 BREAKAWAY DEVICE, COUPLING, WITH STAINLESS STEEL SCREEN

EACH	LOCATION	
4	584+98, 31 LT	
4	586+32, 77 LT	
4	586+77, 41 RT	
12	TOTAL	

XX005938 SOLAR-POWERED FLASHING BEACON ASSEMBLY (COMPLETE)

EACH	LOCATION	
1	IL 84 - 1374+82 LT	STOP SIGN
1	IL 84 - 1381+00 LT	STOP AHEAD SIGN
2	TOTAL	

XX005896 CONCRETE PAD REMOVAL

SQ FT	LOCATION	
141	IL 84 - 1375+36 7' RT	
160	IL 84 - 1375+65 0' RT	
11	IL 84 - 1375+48 23' RT	
139	IL 84 - 1376+49 23' RT	
451	TOTAL	

X0325519 DRAIN FOR AGGREGATE BASE COURSE

SQ YD	LOCATION	
	US 20	
11	578+00 LT, RT	
11	580+77 LT, RT	
11	583+00 LT, RT	
11	585+30 LT, RT	
11	586+30 LT, RT	
11	589+00 LT, RT	
11	591+50 LT, RT	
11	594+00 LT, RT	
11	596+50 LT, RT	

X0712400 TEMPORARY PAVEMENT

SQ YD	LOCATION	
3759	IL 84 - 1374+00 - 1390+50	
3759	TOTAL	

X0919000 TEMPORARY PAVEMENT REMOVAL

SQ YD	LOCATION	
3759	IL 84 - 1374+00 - 1390+50	
3759	TOTAL	

X4402200 PAVEMENT REMOVAL (CONCRETE)

SQ YD	LOCATION	
214	590+36 - 592+53 LT	PARKING LOT
214	TOTAL	

Z0018700 DRAINAGE STRUCTURE TO BE REMOVED

EACH	LOCATION	
1	584+30, 35' LT	
1	TOTAL	

Z0030250 IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3

EACH	LOCATION	
1	IL 84 - 1381+00	
1	IL 84 - 1383+00	
2	TOTAL	

Z0055100 RUMBLE RESURFACING

SQ YD	LOCATION	
33.3	1378+00	
33.3	1380+00	
33.3	1383+00	
100	TOTAL	

FILE NAME	USER NAME	DESIGNED	REVISED	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION			SUMMARY OF QUANTITIES			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.				
W:\2298-03 - US 20 IL 84 Intersection	IDOTCAD	SPF	-	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION			SUMMARY OF QUANTITIES			301	30-M-2	JoDAVISS	81	10				
DD Sheets\0208108-shr-SCH.dgn	AJP	-	-							SCALE:			SHEET NO. 02 OF 02 SHEETS STA. TO STA.			FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT		
PLOT SCALE = 1:80000 "/ IN.	JMS	-	-													CONTRACT NO. 64E29		
PLOT DATE = 1/21/2009	01/23/09	-	-															

SCHEDULE OF QUANTITIES

BITUMINOUS SCHEDULE

STATIONS	WIDENING AREA	PAVEMENT AREA	SHOULDER AREA	40600200 BITUMINOUS MATERIALS (PRIME COAT)	40600300 AGGREGATE (PRIME COAT)	40600635 LEVELING BINDER (MACHINE METHOD), N70	40603085 HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	40603390 HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N70	40800050 INCIDENTAL HOT-MIX ASPHALT SURFACING	48203019 HOT-MIX ASPHALT SHOULDERS, 5-1/2"	48203023 HOT-MIX ASPHALT SHOULDERS, 6-1/2"	48203029 HOT-MIX ASPHALT SHOULDERS, 8"
	SQ. YD.	SQ. YD.	SQ. YD.	TON	TON	TON	TON	TON	TON	SQ. YD.	SQ. YD.	SQ. YD.
IL 84												
1374+65 - 1390+50		2774		5	6		1515	413				
1374+65 - 1383+00 RT			400					60		400		
1374+65 - 1383+00 LT			832					124		832		
US 20												
575+62 - 596+83		7965		25	16	1478		711				
575+62 - 596+83 RT	1036						667					
575+62 - 596+83 LT	351						226					
575+62 - 596+83 RT			1851					165		1851		
575+62 - 596+83 LT			1525					136				1525
DRIVEWAYS												
US 20 - 576+01 RT		120							17			
US 20 - 591+69 LT		108							15			
US 20 - 593+49 LT		56							8			
TOTAL				30	22	1478	2408	1609	40	1232	1851	1525

SEEDING SCHEDULE

STATIONS	25000210 SEEDING, CLASS 2A	25000310 SEEDING, CLASS 4	25000400 NITROGEN FERTILIZER NUTRIENT	25000500 PHOSPHORUS FERTILIZER NUTRIENT	25000600 POTASSIUM FERTILIZER NUTRIENT	25000750 MOWING	25100115 MULCH, METHOD 2	25100630 EROSION CONTROL BLANKET	25100900 TURF REINFORCEMENT MAT	28000250 TEMPORARY EROSION CONTROL SEEDING
	ACRE	ACRE	POUND	POUND	POUND	ACRE	ACRE	SQ YD	SQ YD	POUND
	FORE SLOPE AND DITCH BOTTOMS	BACK SLOPE	APPLIED 90 LB/ACRE	APPLIED 90 LB/ACRE	APPLIED 90 LB/ACRE	FORE SLOPE AND DITCH BOTTOMS	FORE SLOPE AND BACK SLOPE	DITCH BOTTOMS	CULVERT ENDS	APPLIED 100 LB/ACRE
US 20										
575+62 - 596+83 RT	1.32	0.38	153	153	153	1.32	1.62	364		680
575+62 - 586+10 LT	0.6	0.34	85	85	85	0.6	0.86	377		376
586+10 - 596+83 LT	0.36	0.36	65	65	65	0.36	0.65	303		288
580+80									31	
IL 84										
1375+50 - 1383+00 RT	0.33	0.32	58	58	58	0.33	0.6	252		260
1375+50 - 1390+00 LT	0.32	1.83	194	194	194	0.32	2.08	320		860
1382+98									44	
TOTALS	3	3.25	555	555	555	3	6	1616	75	2464

SCHEDULE OF QUANTITIES

EARTHWORK SCHEDULE

LOCATION	EARTH EXC (CUT)	EARTH EXC ADJ SHRINK 25% EARTH	EMBANK (FILL)	EARTH WORK BALANCE WASTE (+) SHORTAGE (-)
	CU YD	CU YD	CU YD	CU YD
US 20 - STAGE 1				
575+50 - 578+00	1135	851	0	851
578+00 - 584+00	979	734	437	297
584+00 - 588+00	1096	822	291	531
588+00 - 593+00	394	296	35	261
593+00 - 596+83	107	80	9	71
SUBTOTAL STAGE 1	3711	2783	772	2011
US 20 - STAGE 2				
575+50 - 578+00	126	95	26	69
578+00 - 584+00	868	651	530	121
584+00 - 588+00	354	266	172	94
588+00 - 593+00	666	500	134	366
593+00 - 596+83	45	34	409	-375
SUBTOTAL STAGE 2	2059	1544	1271	273
US 20 - STAGE 1 + STAGE 2				
575+50 - 578+00	1261	946	26	920
578+00 - 584+00	1847	1385	967	418
584+00 - 588+00	1450	1088	463	625
588+00 - 593+00	1060	795	169	626
593+00 - 596+83	152	114	418	-304
US 20 - TOTAL	5770	4328	2043	2285
IL 84 - STAGE 1				
1375+00 - 1378+00	6040	4530	0	4530
1378+00 - 1383+00	0	0	0	0
1383+00 - 1390+00	0	0	0	0
SUBTOTAL STAGE 1	6040	4530	0	4530
IL 84 - STAGE 3				
1375+00 - 1378+00	1296	972	7	965
1378+00 - 1383+00	3312	2484	58	2426
1383+00 - 1390+00	2199	1649	28	1621
SUBTOTAL STAGE 3	6807	5105	93	5012
IL 84 - FINAL				
1375+00 - 1378+00	2926	2195	3513	-1319
1378+00 - 1383+00	5583	4187	2107	2080
1383+00 - 1390+00	203	152	1699	-1547
SUBTOTAL FINAL	8712	6534	7319	-785
IL 84 - STAGE 1 + STAGE 2 + FINAL				
1375+00 - 1378+00	10262	7697	3520	4177
1378+00 - 1383+00	8995	6671	2165	4506
1383+00 - 1390+00	2402	1802	1727	75
IL 84 - TOTAL	21559	16169	7412	8757
TOTAL IL 84 + US 20	27329	20497	9455	11042

SUBBASE SCHEDULE

STATIONS	21001000	31100935	31100965	31100975
	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SUB-BASE GRANULAR MATERIAL, TYPE A 18"	SUB-BASE GRANULAR MATERIAL, TYPE A 24"	SUB-BASE GRANULAR MATERIAL, TYPE A 30"
	SQ YD	SQ YD	SQ YD	SQ YD
US 20				
576+80 - 579+80	185		185	
579+80 - 583+80	441		441	
583+80 - 587+80	522			522
587+80 - 590+80	426		426	
590+80 - 591+80	11			11
IL 84				
1374+47 - 1376+97	1216			1216
1376+97 - 1383+00	1742	1742		
TOTAL	4543	1742	1052	1749

PROPOSED HORIZONTAL CONTROL



Chain PUS20 contains:
GA025323 CUR GA025310 CUR G1360 CUR GA025220 GA025210
Beginning chain PUS20 description
=====

Point GA025323 N 2,108,132.3396 E 2,215,881.2638 Sta 562+65.31
Course from GA025323 to PC GA025310 S 87° 17' 40.54" E Dist 1,737.3773

Curve Data

Curve GA025310
P.I. Station 580+35.97 N 2,108,048.7630 E 2,217,649.9550
Delta = 0° 40' 09.11" (RT)
Degree = 1° 00' 18.68"
Tangent = 33.2875
Length = 66.5743
Radius = 5,700.0000
External = 0.0972
Long Chord = 66.5739
Mid. Ord. = 0.0972
P.C. Station 580+02.68 N 2,108,050.3342 E 2,217,616.7046
P.T. Station 580+69.26 N 2,108,046.8036 E 2,217,683.1848
C.C. N 2,102,356.6873 E 2,217,347.6608
Back = S 87° 17' 40.54" E
Ahead = S 86° 37' 31.43" E
Chord Bear = S 86° 57' 35.99" E

Course from PT GA025310 to PC G1360 S 86° 37' 31.43" E Dist 144.2257

Curve Data

Curve G1360
P.I. Station 587+11.26 N 2,108,009.0130 E 2,218,324.0710
Delta = 86° 03' 24.26" (RT)
Degree = 10° 44' 39.44"
Tangent = 497.7737
Length = 800.9533
Radius = 533.2673
External = 196.2206
Long Chord = 727.7610
Mid. Ord. = 143.4404
P.C. Station 582+13.48 N 2,108,038.3139 E 2,217,827.1604
P.T. Station 590+14.44 N 2,107,511.2638 E 2,218,329.0113
C.C. N 2,107,505.9713 E 2,217,795.7703
Back = S 86° 37' 31.43" E
Ahead = S 0° 34' 07.17" E
Chord Bear = S 43° 35' 49.30" E

Course from PT G1360 to PC GA025220 S 0° 34' 07.17" E Dist 339.7999

Curve Data

Curve GA025220
P.I. Station 595+25.55 N 2,107,000.1770 E 2,218,334.0840
Delta = 15° 23' 19.04" (LT)
Degree = 4° 31' 06.94"
Tangent = 171.3121
Length = 340.5622
Radius = 1,268.0000
External = 11.5202
Long Chord = 339.5395
Mid. Ord. = 11.4164
P.C. Station 593+54.24 N 2,107,171.4807 E 2,218,332.3838
P.T. Station 596+94.80 N 2,106,835.4660 E 2,218,381.1812
C.C. N 2,107,184.0654 E 2,219,600.3213
Back = S 0° 34' 07.17" E
Ahead = S 15° 57' 26.22" E
Chord Bear = S 8° 15' 46.69" E

Course from PT GA025220 to GA025210 S 15° 57' 26.22" E Dist 1,458.8022

Point GA025210 N 2,105,432.8760 E 2,218,782.2360 Sta 611+53.60

=====

Chain PIL84CONN contains:
70200 CUR 70210 70001
Beginning chain PIL84CONN description
=====

Point 70200 N 2,107,876.5604 E 2,218,179.2252 Sta 1374+46.50
Course from 70200 to PC 70210 N 30° 58' 39.02" E Dist 161.1461

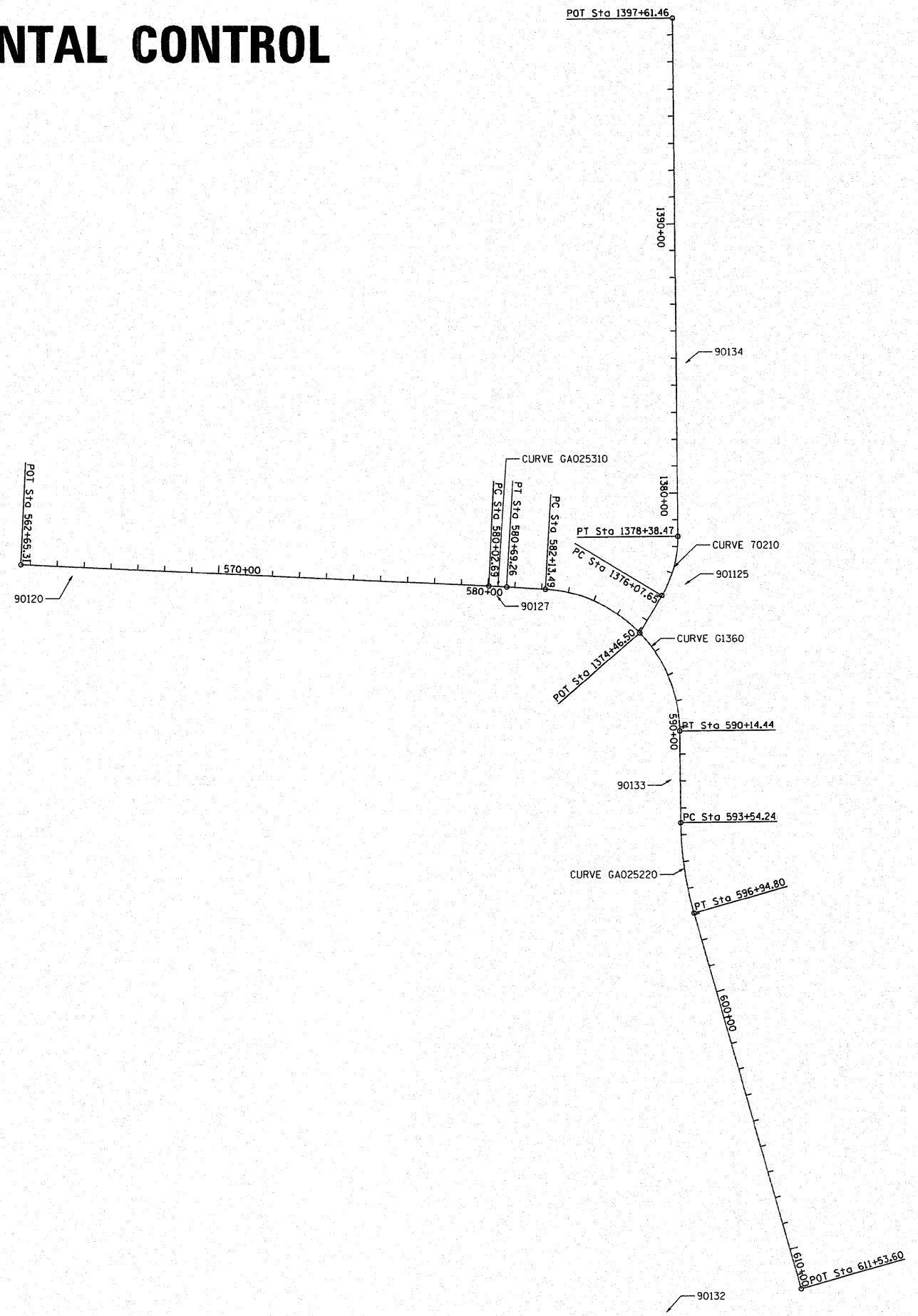
Curve Data

Curve 70210
P.I. Station 1377+26.06 N 2,108,116.2432 E 2,218,323.1131
Delta = 31° 29' 21.47" (LT)
Degree = 13° 38' 30.67"
Tangent = 118.4099
Length = 230.8286
Radius = 420.0000
External = 16.3724
Long Chord = 227.9345
Mid. Ord. = 15.7582
P.C. Station 1376+07.65 N 2,108,014.7222 E 2,218,262.1674
P.T. Station 1378+38.48 N 2,108,234.6484 E 2,218,322.0555
C.C. N 2,108,230.8968 E 2,217,902.0722
Back = N 30° 58' 39.02" E
Ahead = N 0° 30' 42.45" W
Chord Bear = N 15° 13' 58.29" E

Course from PT 70210 to 70001 N 0° 30' 42.45" W Dist 1,922.9898

Point 70001 N 2,110,157.5615 E 2,218,304.8787 Sta 1397+61.47

=====



FILE NAME =	USER NAME = IDOTCAD	DESIGNED -	SPF	REVISED -		STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	HORIZONTAL AND VERTICAL CONTROL			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
W:\2298-03 - US 20 IL 84 Intersection\CAD Sheets\028108-sht-ATB.dgn		DRAWN -	AJP	REVISED -			SCALE: 1"=250'	SHEET NO. 01 OF 02 SHEETS	STA.	TO STA.	301	30-M-2	JoDAVISS	81	13
		CHECKED -	JMS	REVISED -							CONTRACT NO. 64E29				
		DATE -	01/23/09	REVISED -							FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

HORIZONTAL & VERTICAL CONTROL

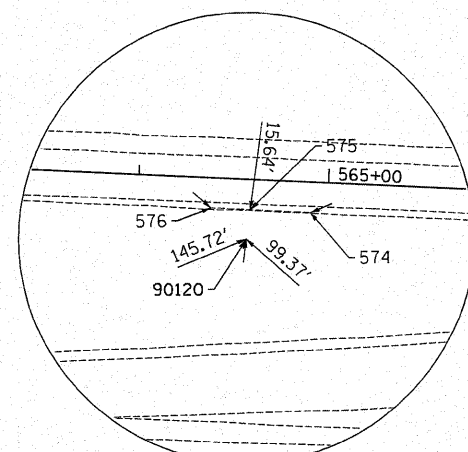


REFERENCE TIES							
POINT	NORTH	EAST	ELEVATION	CHAIN	STATION	OFFSET	DESCRIPTION
544	2105347.6850	2218304.5710	828.1510	US20	611+04.19	482.6799' RT	CULVERT - PIPE 02.0 F
545	2105387.8300	2218281.0940	832.4080	US20	610+59.14	494.2155' RT	SPLICE BOX - T.PHONE
546	2105342.6710	2218234.1610	834.2240	US20	610+89.66	551.7552' RT	FENCE POST
547	2107338.6730	2218297.9270	878.7240	US20	591+86.71	32.7957' RT	POLE - POWER
548	2107338.6560	2218287.7200	878.7380	US20	591+86.63	43.0024' RT	FENCE POST
549	2107386.8600	2218357.1260	881.6930	US20	591+39.12	26.8786' LT	POLE - POWER
550	2108057.6360	2218363.8140	894.7850	IL84	1376+83.95	73.1783' RT	FENCE POST
551	2108066.7090	2218363.0710	895.2990	IL84	1376+91.02	69.3644' RT	FENCE POST
552	2108076.6050	2218281.8040	894.4740	IL84	1376+72.63	10.1193' LT	POLE - POWER
553	2108896.1020	2218355.8030	890.3370	IL84	1384+99.60	39.6545' RT	FENCE POST
554	2108870.0120	2218355.9360	889.9870	IL84	1384+73.51	39.5545' RT	FENCE POST
555	2108870.7710	2218278.6860	892.5830	IL84	1384+74.96	37.6857' LT	POLE - POWER
571	2108074.2760	2217653.3160	871.3930	US20	580+37.97	25.7529' LT	STREET - SIGN
572	2108003.1830	2217693.9810	866.3500	US20	580+82.61	42.9094' LT	CULVERT - PIPE 05.5 F
573	2108083.6760	2217687.8760	868.8160	US20	580+71.77	37.0846' LT	CULVERT - PIPE 05.5 F
574	2108105.3880	2216105.8150	878.0220	US20	564+90.88	16.3226' RT	SHOULDER - NAIL
575	2108107.0770	2216074.2090	879.1710	US20	564+59.23	16.1273' RT	SHOULDER - NAIL
576	2108108.0450	2216053.5420	879.9250	US20	564+38.54	16.1358' RT	SHOULDER - NAIL

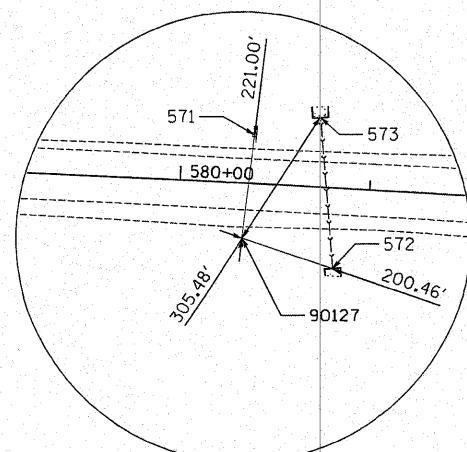
CURVE POINT NUMBERS				
CURVE	PI	CC	PC	PT
GA025310	200	201	202	203
G1360	210	211	212	213
GA025220	220	221	222	223
70210	230	231	232	233

BENCH MARKS							
POINT	NORTH	EAST	ELEVATION	CHAIN	STATION	OFFSET	DESCRIPTION
400	2108012.0660	2218047.8800	881.7980	PUS20	584+28.54	32.1451' LT	HEADWALL - CROSS CUT
401	2109520.4550	2218334.9730	863.3690	PIL84CONN	1391+24.11	24.4023' RT	GUTTER - CROSS CUT
434	2108926.4790	2218355.4050	889.6280	PIL84CONN	1385+29.98	39.5279' RT	R.O.W. MARKER

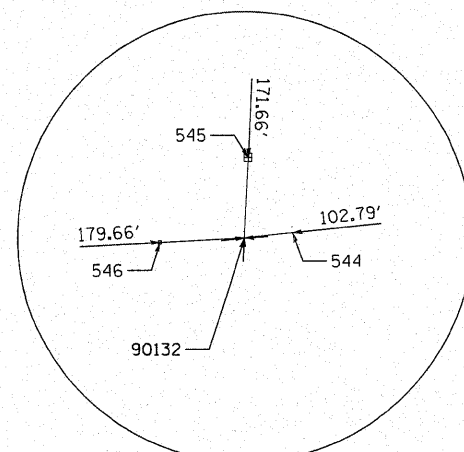
HORIZONTAL CONTROL POINTS							
POINT	NORTH	EAST	ELEVATION	CHAIN	STATION	OFFSET	DESCRIPTION
90120	2108091.5480	2216072.1150	876.7810	PUS20	564+57.87	31.7378' RT	GPS CONTROL POINT
90127	2108019.4380	2217646.5760	868.2110	PUS20	580+34.15	29.3654' RT	GPS CONTROL POINT
90132	2105344.9650	2218279.0170	829.7660	PUS20	610+99.78	507.9970' RT	GPS CONTROL POINT
90133	2105344.9650	2218279.0170	829.7660	PUS20	591+94.15	34.6706' RT	GPS CONTROL POINT
90134	2108878.6820	2218351.6540	888.1070	PIL84CONN	1384+82.22	35.3501' RT	GPS CONTROL POINT
901125	2108057.0830	2218348.0770	891.9320	PIL84CONN	1376+78.65	58.6768' RT	GPS CONTROL POINT



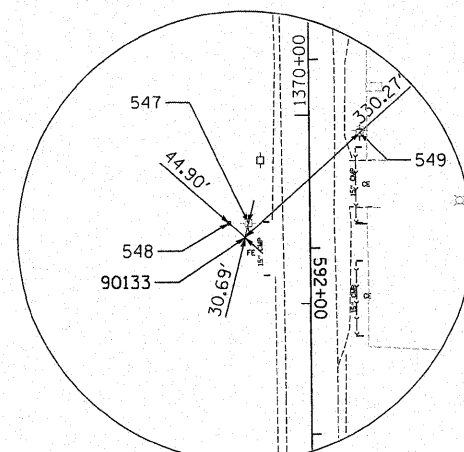
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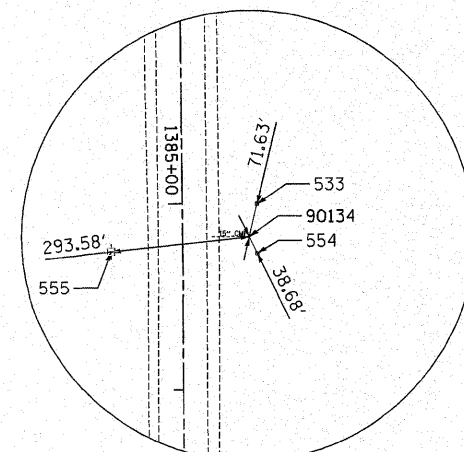
HORIZONTAL CONTROL POINT No. 90127



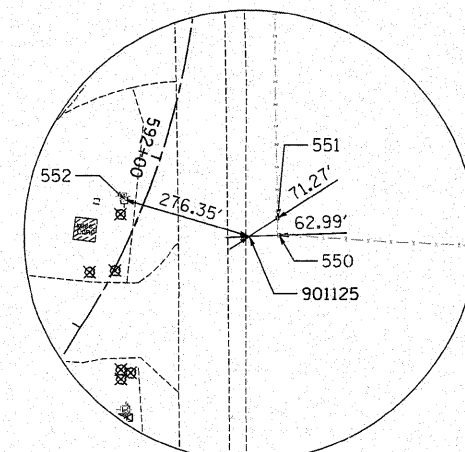
HORIZONTAL CONTROL POINT No. 90132



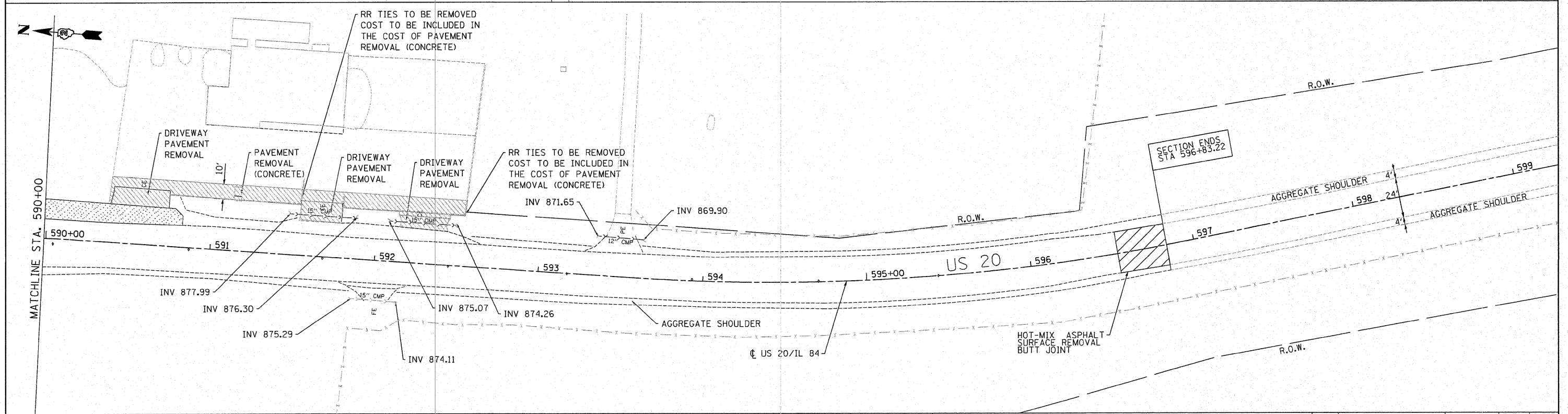
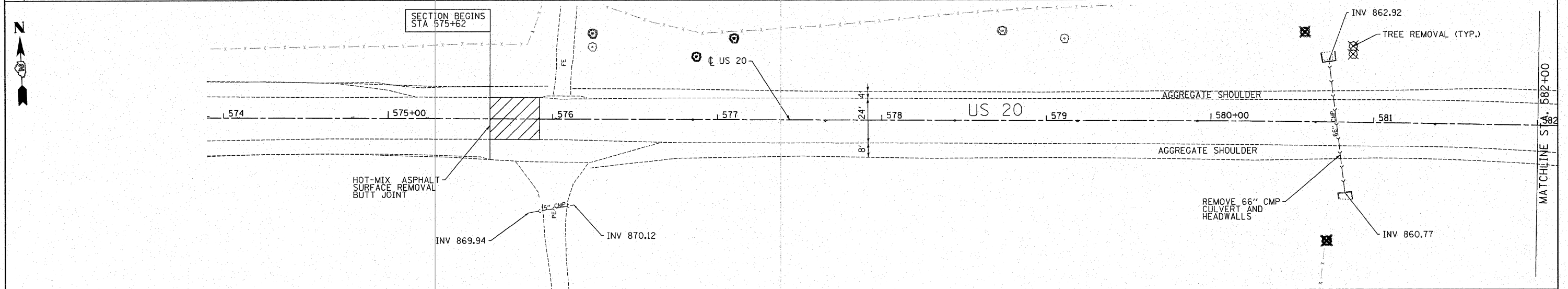
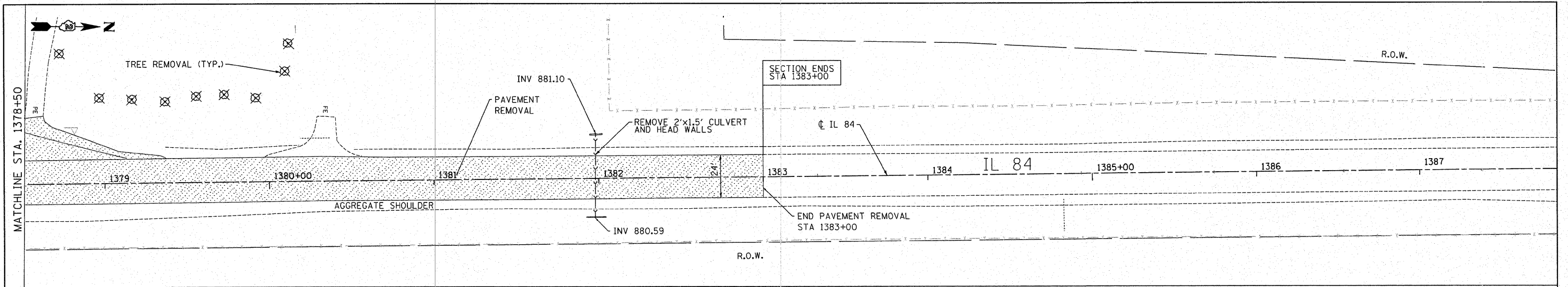
HORIZONTAL CONTROL POINT No. 90133



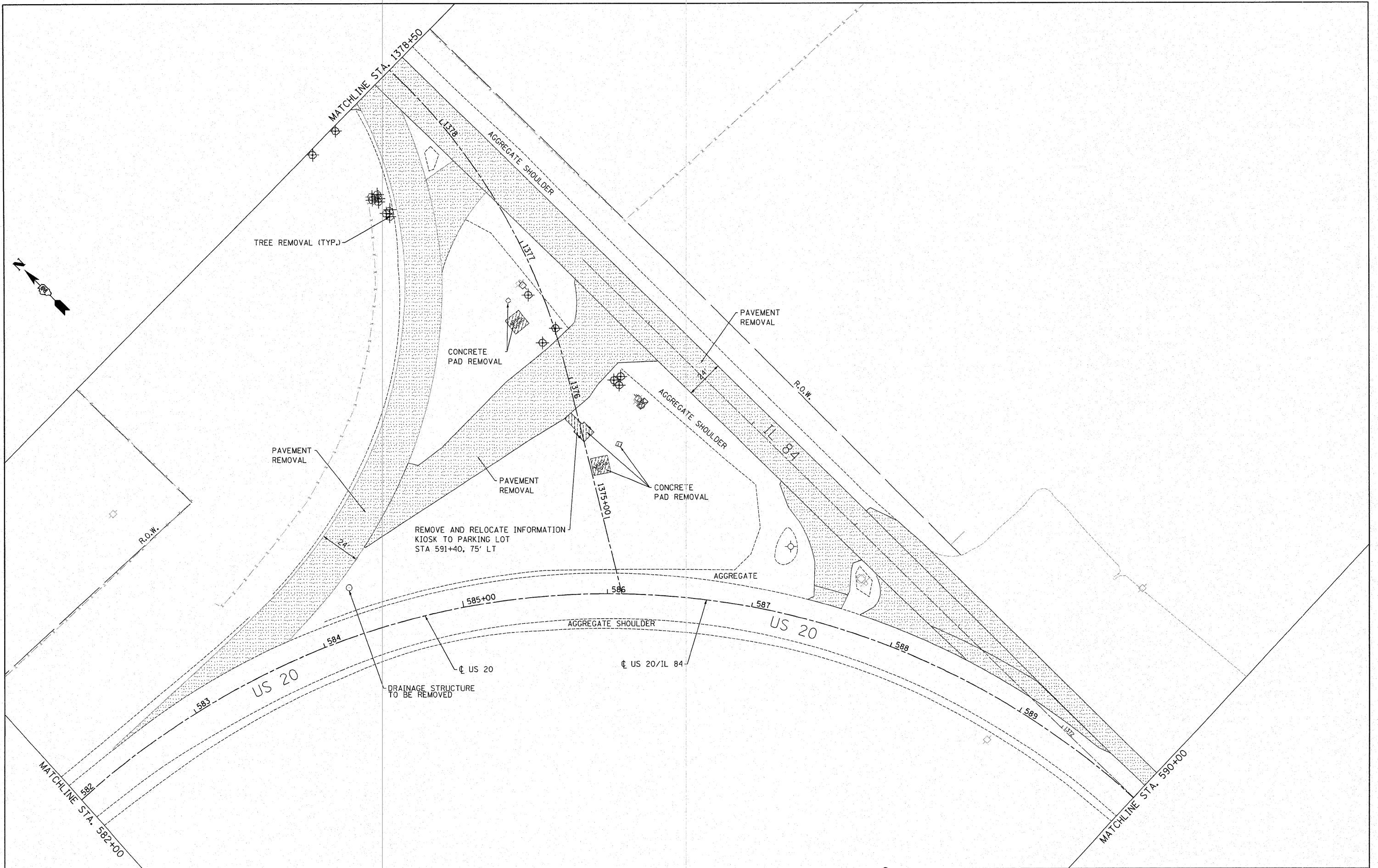
HORIZONTAL CONTROL POINT No. 90134



HORIZONTAL CONTROL POINT No. 901125



FILE NAME =	USER NAME = IDOTCAD	DESIGNED - SPF	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	REMOVAL PLAN	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
W:\2298-03 - US 20 IL 84 Intersection\CADD Sheets\0208108-ah-removal.dgn	DRAWN - AJP	REVISED -	301			30-M-2	JoDAVIESS	81	15	
PLOT SCALE = 30.0000' / IN.	CHECKED - JMS	REVISED -	CONTRACT NO. 64E29							
PLOT DATE = 1/21/2009	DATE - 01/23/09	REVISED -	ILLINOIS FED. AID PROJECT							
SCALE: 1"=30'						SHEET NO. 01 OF 02 SHEETS		STA. TO STA.		



FILE NAME =	USER NAME = IDOTCAD	DESIGNED - SPF	REVISED -
W:\2298-03 - US 20 IL 84 Intersection\CAD Sheets\0208108-sht-removal.dgn		DRAWN - AJP	REVISED -
		CHECKED - JMS	REVISED -
		DATE - 01/23/09	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

REMOVAL PLAN

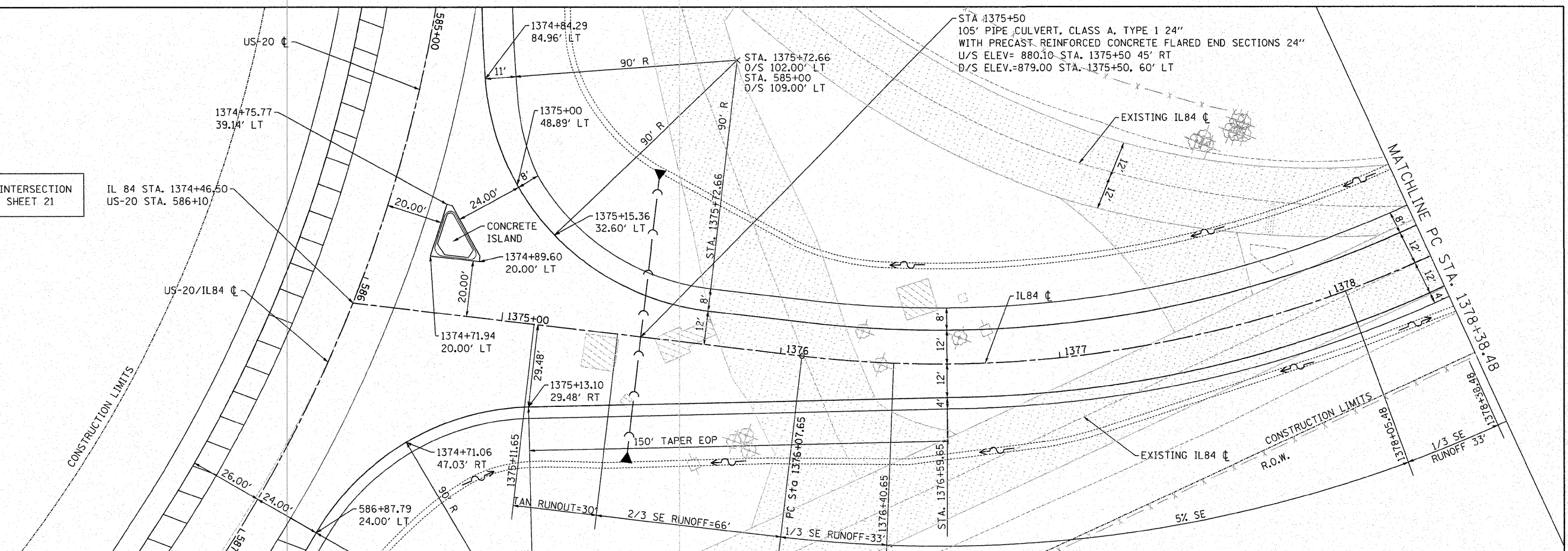
SCALE: 1"=30' SHEET NO. 02 OF 02 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	30-M-2	JoDAVIESS	81	16
CONTRACT NO. 64E29				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

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

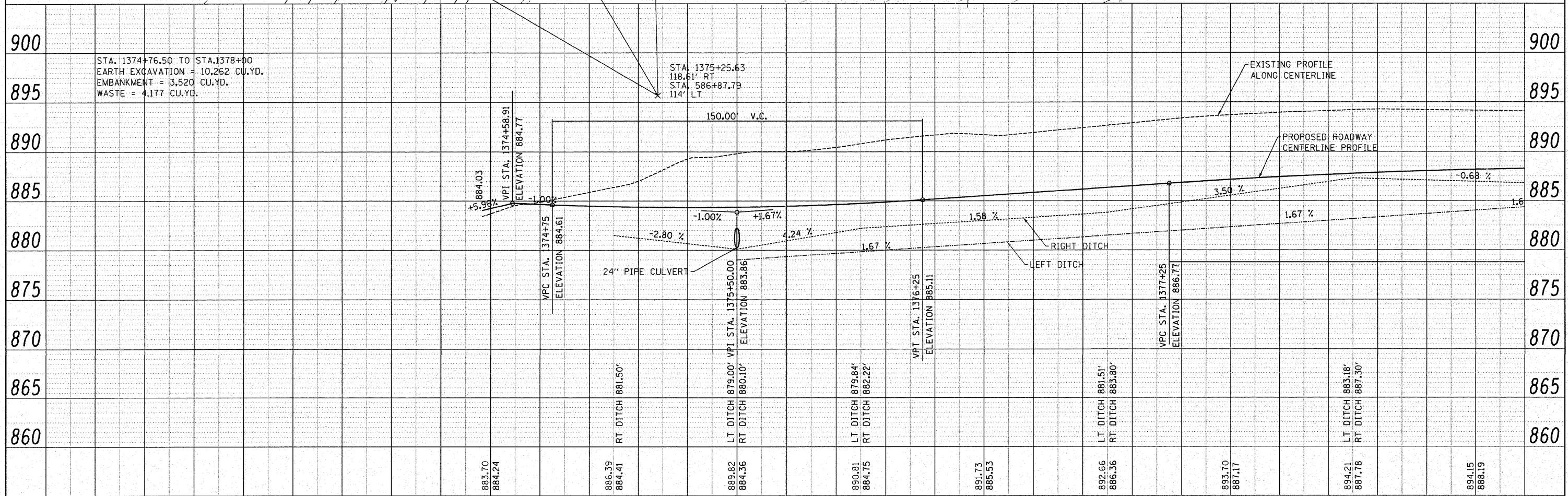
PROP. CURVE 70210
 PI STA. = 1377+26.06
 $\Delta = 31^\circ 29' 21''$ (LT)
 $D = 420.00'$
 $T = 118.41'$
 $L = 230.83'$
 $E = 16.37'$
 $e = 0.05$ FT/FT
 $T.R. = 30'$
 S.E. RUN = 99'
 P.C. STA = 1376+07.65
 P.T. STA = 1378+38.48
 SUPERELEVATION STATIONS
 NORMAL CROWN STA. 1375+11.65
 FULL S.E. STA. 1376+40.56
 FULL S.E. STA. 1378+05.48
 NORMAL CROWN STA. 1379+34.48

FOR ADDITIONAL INTERSECTION
 INFORMATION SEE SHEET 21



PROFILE	SURVEYED	BY	DATE
	PLANS		
	CHECKED		
	NO. NOTED		
	STRUCTURE NOTATIONS CHFD		
	NO.		

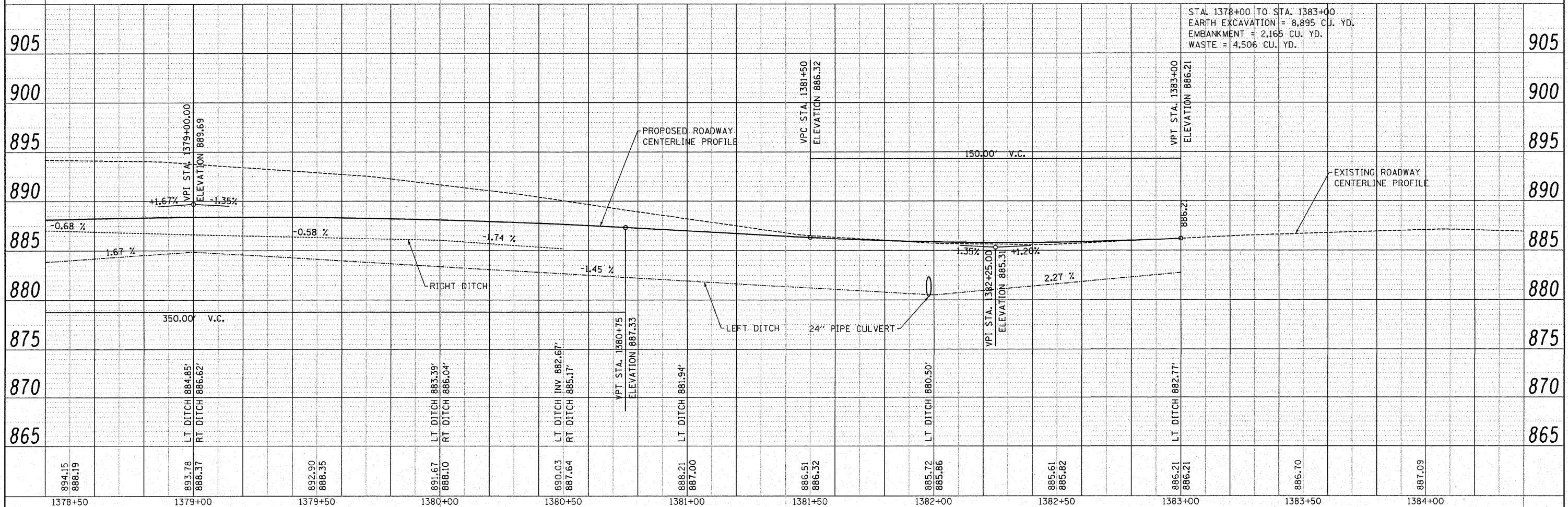
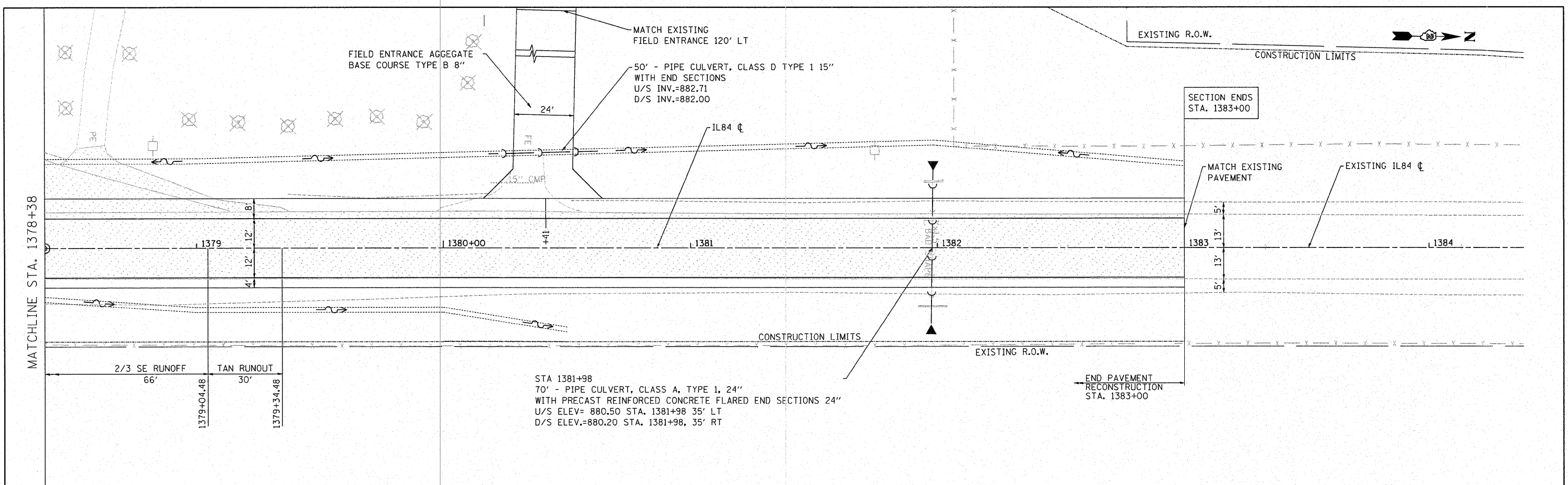
STA. 1374+76.50 TO STA. 1378+00
 EARTH EXCAVATION = 10,262 CU.YD.
 EMBANKMENT = 3,520 CU.YD.
 WASTE = 4,177 CU.YD.



FILE NAME = W:\2298-03 - US 20 IL 84 Intersection\CAD	USER NAME = IDOTCAD	DESIGNED - SPF	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN AND PROFILE - IL 84			F.A.P. RTE. 301	SECTION 30-M-2	COUNTY JoDAVISS	TOTAL SHEETS 81	SHEET NO. 17
PLOT SCALE = 20.0000' / IN.	CHECKED - JMS	REVISIED -	REVISIED -		SCALE: 20H 5V	SHEET NO. 01 OF 02 SHEETS	STA. 1374+46.50 TO STA. 1378+38.47	CONTRACT NO. 64E29				
PLOT DATE = 1/22/2009	DATE - 01/23/09	REVISIED -	REVISIED -		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT							

DATE	
BY	
PLANNING	
DESIGNED	
CHECKED	
DATE	

DATE	
BY	
PROFILE	
DESIGNED	
CHECKED	
DATE	



894.15 888.19	893.78 888.37	892.90 888.35	891.67 888.10	890.03 887.64	888.21 887.00	886.51 886.32	885.72 885.66	885.61 885.62	886.21 886.21	886.70	887.09
1378+50	1379+00	1379+50	1380+00	1380+50	1381+00	1381+50	1382+00	1382+50	1383+00	1383+50	1384+00

FILE NAME = W:\2298-03 - US 20 IL 84 Intersection\CAD

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DATE - 01/23/09

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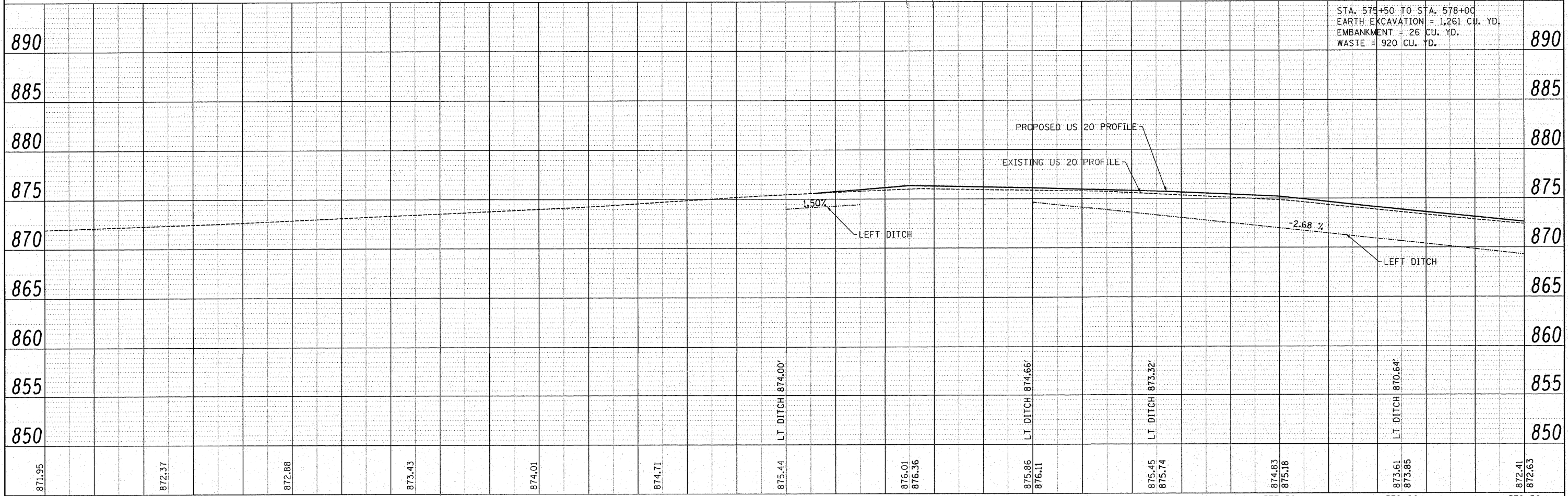
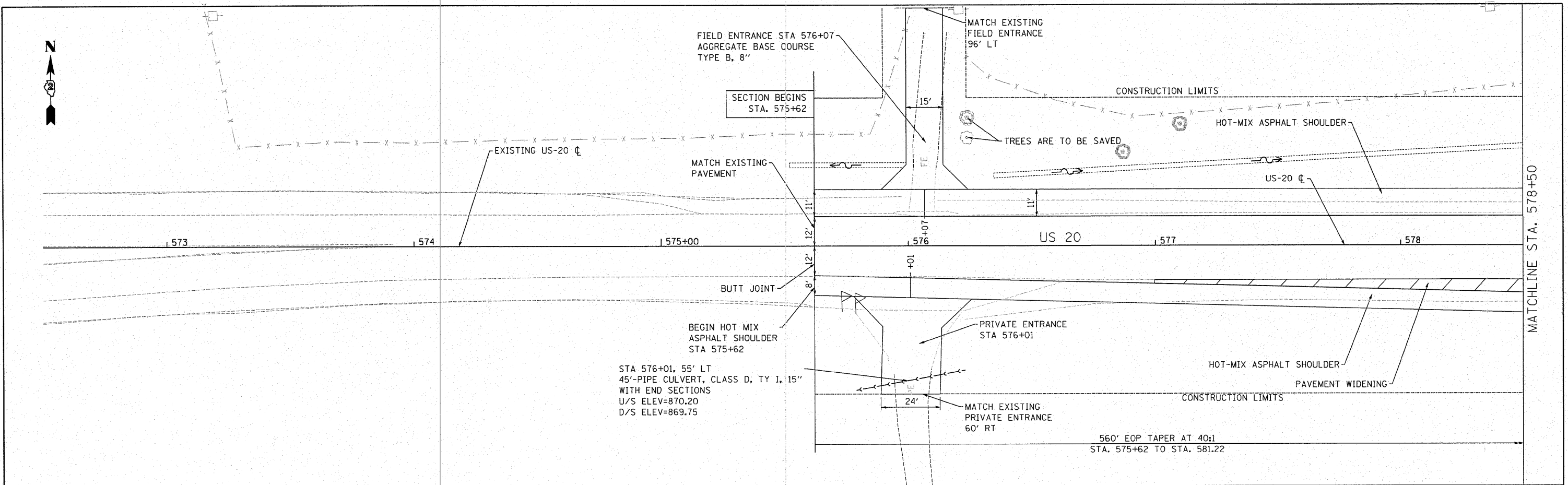
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE - IL 84
SCALE: 20H 5V
SHEET NO. 02 OF 02 SHEETS
STA. 1378+38 TO STA. 1383+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	30-M-2	JoDAVIESS	81	18
CONTRACT NO. 64E29				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

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

PROFILE	DATE
BY	
REVISIONS	
NO.	
DATE	
BY	
DESCRIPTION	
1	
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9	
10	

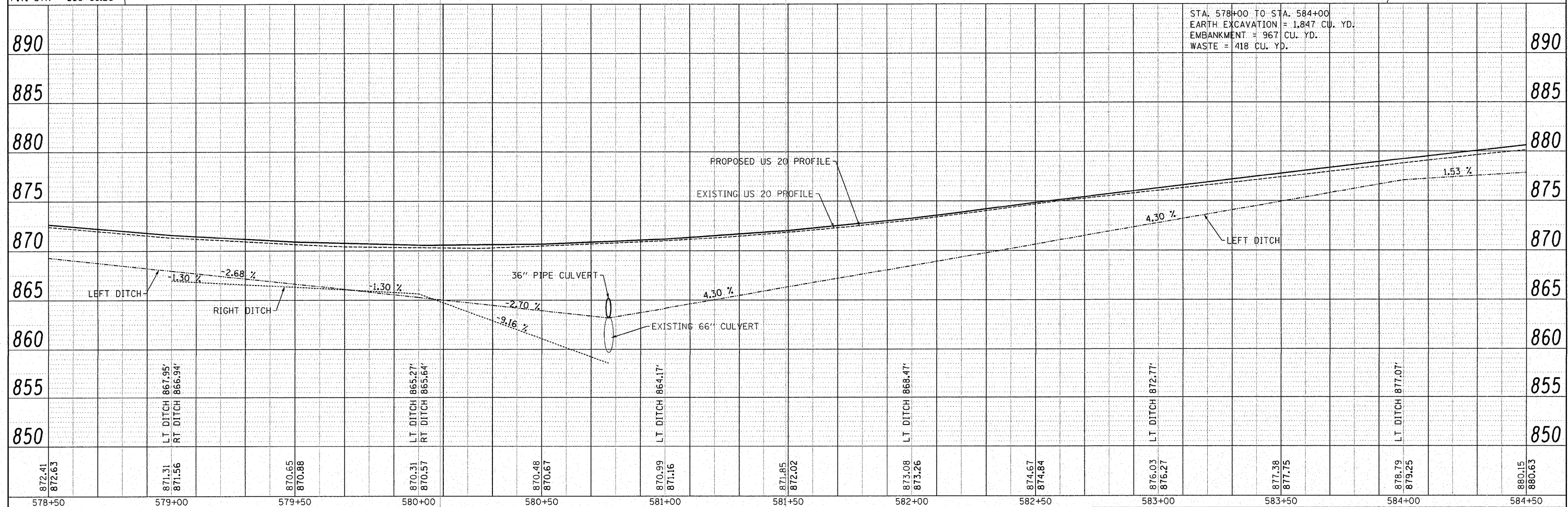


FILE NAME = W:\2298-03 - US 20 IL 84 Intersection\CADD	USER NAME = IDOTCAD	DESIGNED - SPF	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN AND PROFILE - US 20			F.A.P. RTE. 301	SECTION 30-M-2	COUNTY JO DAVIESS	TOTAL SHEETS 81	SHEET NO. 19
PLOT SCALE = 20.0000' / IN.	CHECKED - JMS	REVISIED -	REVISED -		SCALE: 20H 5V	SHEET NO. 01 OF 05 SHEETS	STA. 575+62 TO STA. 578+50	CONTRACT NO. 64E29				
PLOT DATE = 1/21/2009	DATE - 01/23/09	REVISED -	REVISED -		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT							

PLAN	SURVEYED	BY	DATE
	NOTED		
	PLOTTED		
	CHECKED		
	REVISIONS		
	NO. OF REVISIONS		
	CAD FILE NAME		
	NO.		

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

PROP. CURVE GAO25310
 PI STA. = 580+35.97
 $\Delta = 0^\circ 40' 09''$ (RT)
 $D = 1^\circ 00' 19''$
 $R = 5,700.00'$
 $T = 33.29'$
 $L = 66.57'$
 $E = 0.10'$
 $\theta = \dots$
 T.R. = \dots
 S.E. RUN = \dots
 P.C. STA = 580+02.68
 P.T. STA = 580+69.26



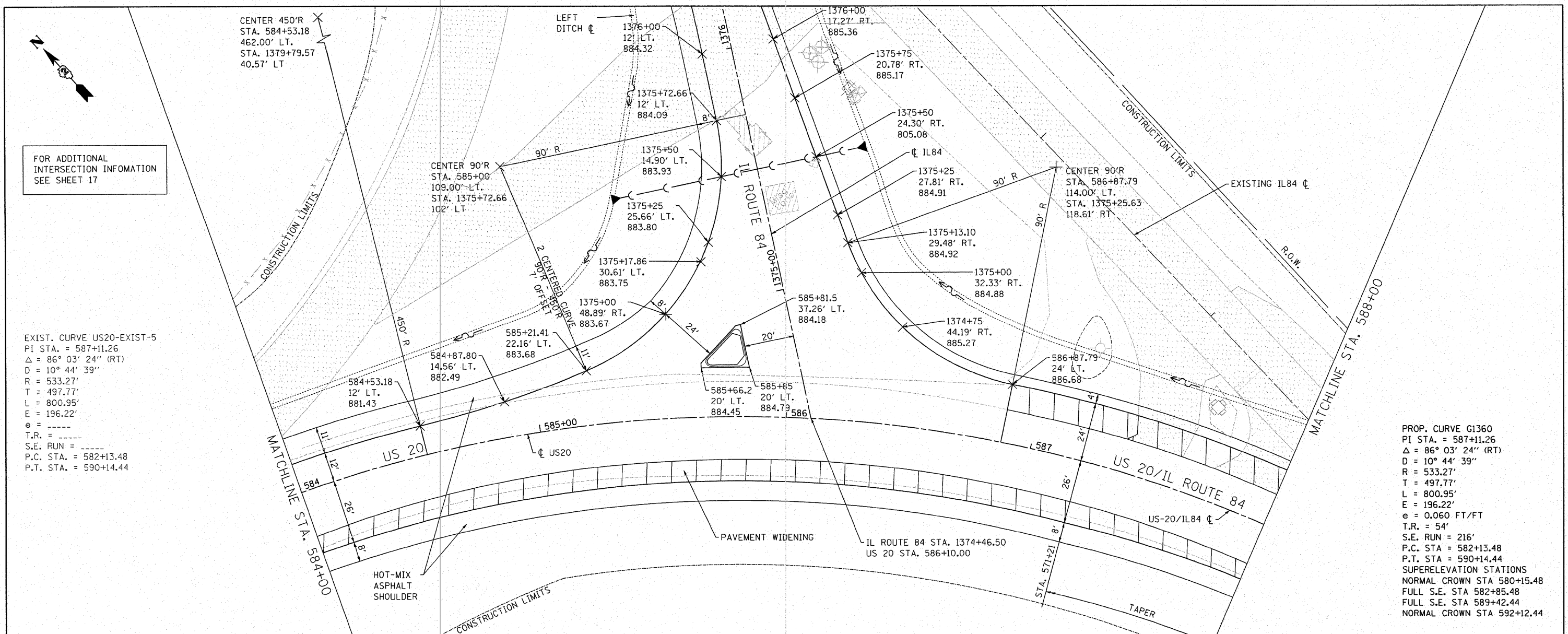
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W:\2298-03 - US 20 IL 84 Intersection\CAD	Sheets\0208108-shr-plnprf-28.dgn	DRAWN -	AJP	REVISED -			301	30-M-2	JoDAVIESS	81	20		
		PLOT SCALE =	20.0000' / IN.	CHECKED -	JMS		REVISED -					CONTRACT NO. 64E29	
		PLOT DATE =	1/22/2009	DATE -	01/23/09		REVISED -					FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT

DATE	
BY	
PLANNED	
DESIGNED	
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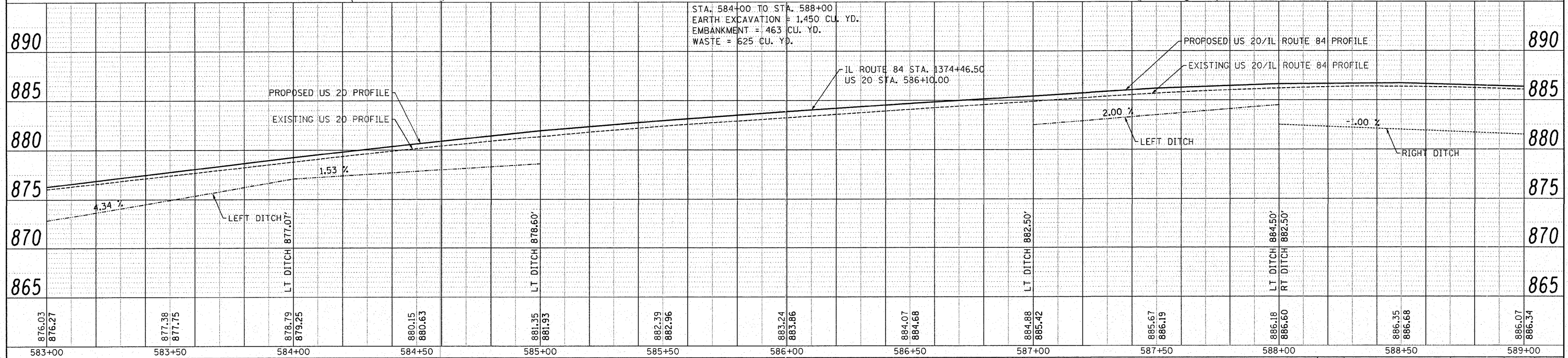
FOR ADDITIONAL INTERSECTION INFORMATION SEE SHEET 17

EXIST. CURVE US20-EXIST-5
 PI STA. = 587+11.26
 $\Delta = 86^\circ 03' 24''$ (RT)
 $D = 10^\circ 44' 39''$
 $R = 533.27'$
 $T = 497.77'$
 $L = 800.95'$
 $E = 196.22'$
 $e = \text{---}$
 $T.R. = \text{---}$
 $S.E. \text{ RUN} = \text{---}$
 $P.C. \text{ STA.} = 582+13.48$
 $P.T. \text{ STA.} = 590+14.44$

PROP. CURVE G1360
 PI STA. = 587+11.26
 $\Delta = 86^\circ 03' 24''$ (RT)
 $D = 10^\circ 44' 39''$
 $R = 533.27'$
 $T = 497.77'$
 $L = 800.95'$
 $E = 196.22'$
 $e = 0.060 \text{ FT/FT}$
 $T.R. = 54'$
 $S.E. \text{ RUN} = 216'$
 $P.C. \text{ STA.} = 582+13.48$
 $P.T. \text{ STA.} = 590+14.44$
 SUPERELEVATION STATIONS
 NORMAL CROWN STA 580+15.48
 FULL S.E. STA 582+85.48
 FULL S.E. STA 589+42.44
 NORMAL CROWN STA 592+12.44



DATE	
BY	
PLANNED	
DESIGNED	
CHECKED	
DATE	
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PLANNED	
DESIGNED	
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DATE	
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PLANNED	
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CHECKED	
DATE	
BY	

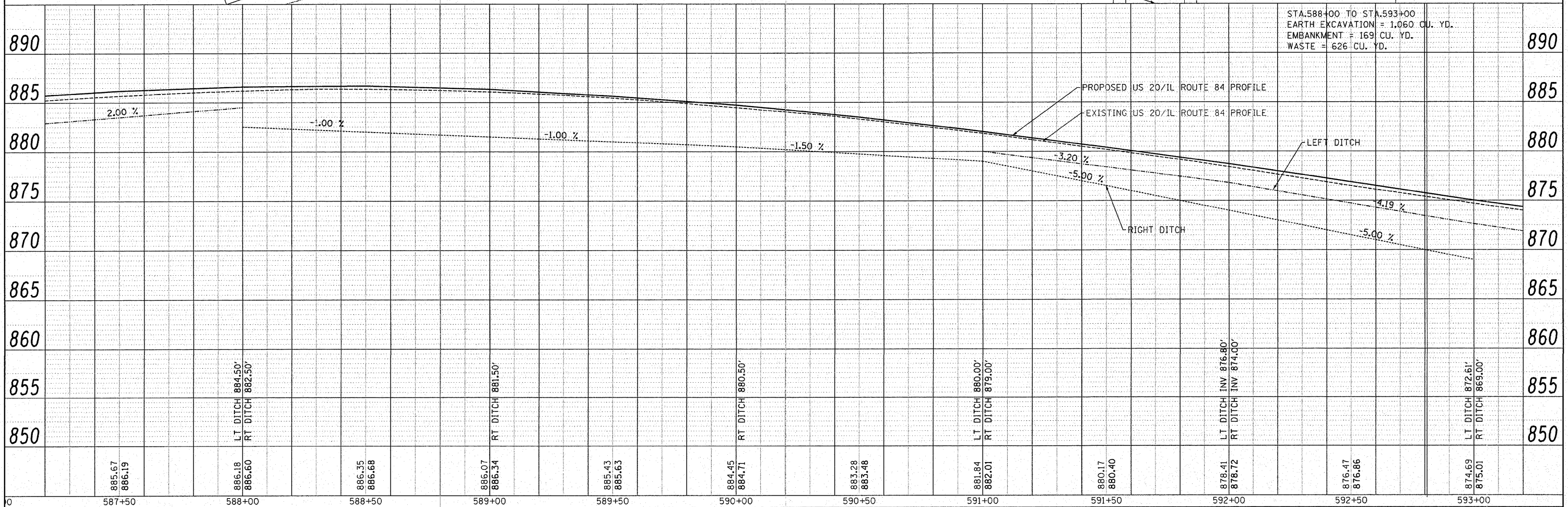
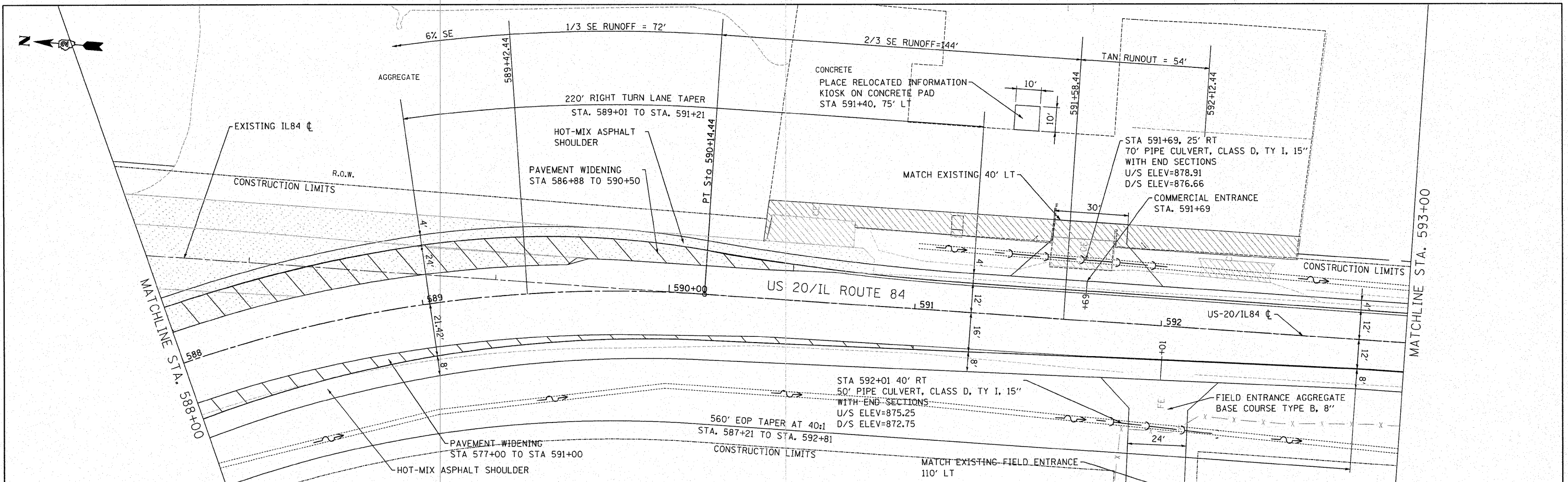


STA. 584+00 TO STA. 588+00
 EARTH EXCAVATION = 1,450 CU. YD.
 EMBANKMENT = 463 CU. YD.
 WASTE = 625 CU. YD.

FILE NAME = W:\2298-03 - US 20 IL 84 Intersection\CAO	USER NAME = IDOTCAD	DESIGNED - SPF	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN AND PROFILE - US 20				F.A.P. RTE. 301	SECTION 30-M-2	COUNTY JO DAVIESS	TOTAL SHEETS 81	SHEET NO. 21
PLOT SCALE = 20.0000' / IN.	CHECKED - JMS	REVISED -	REVISED -		SCALE: 20H 5V	SHEET NO. 03 OF 05 SHEETS	STA. 584+00 TO STA. 588+00	CONTRACT NO. 64E29					
PLOT DATE = 1/22/2009	DATE - 01/23/09	REVISED -	REVISED -		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT								

PLAN	SURVEYED	DATE
NOTE BOOK	ALIGNED	BY
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	NO.	
	NO.	

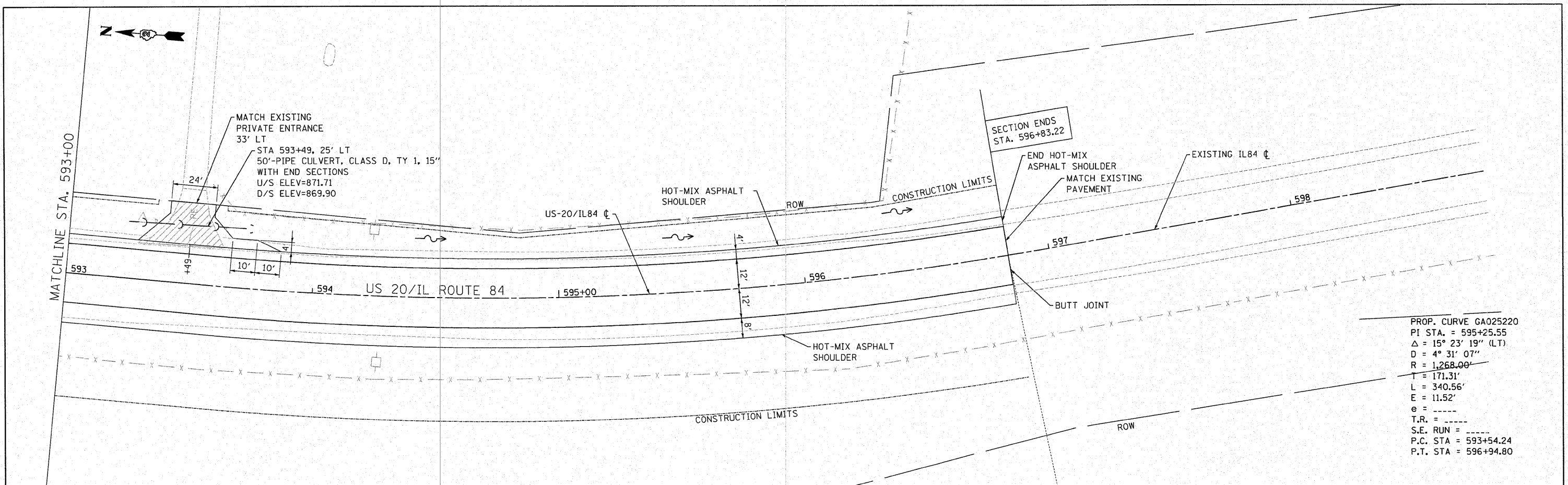
PROFILE	SURVEYED	DATE
NOTE BOOK	GRADES CHECKED	BY
NO.	B.M. NOTED	
	STRUCTURE NOTATIONS CHKD	
	NO.	



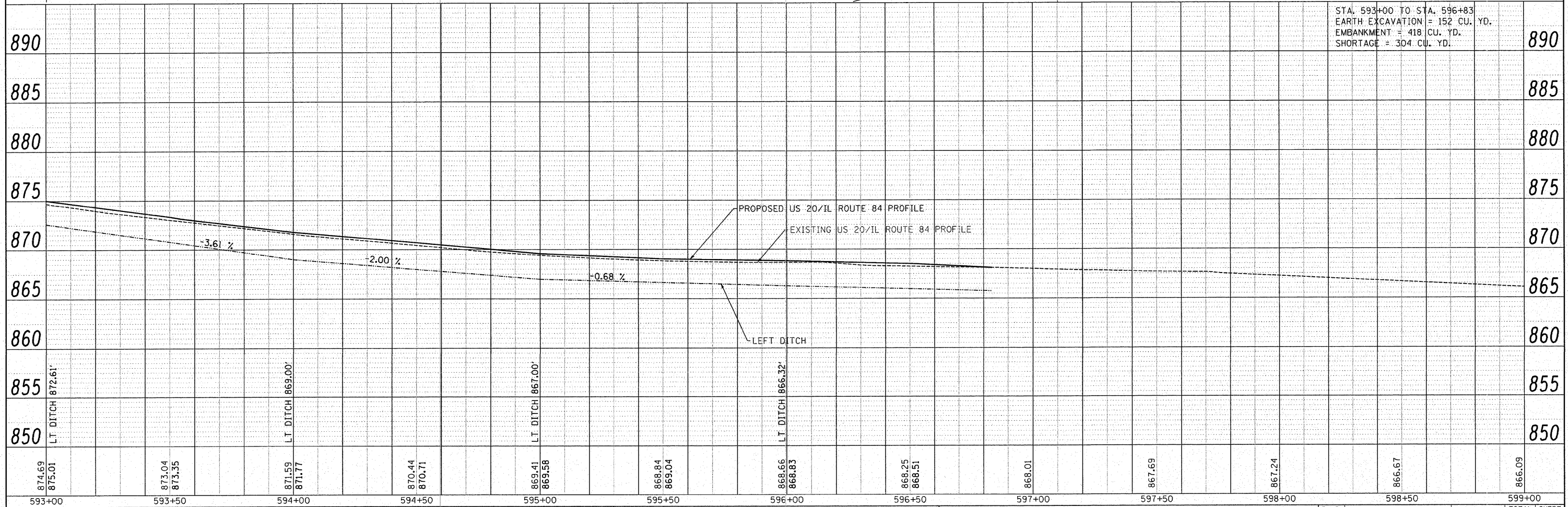
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W:\2298-03 - US 20 IL 84 Intersection\CAD	Sheets\0208108-shr-plnprf-20.dgn	DRAWN - AJP	REVISED -		SCALE: 20H 5V	SHEET NO. 04 OF 05 SHEETS	STA. 588+00 TO STA. 593+00	301	30-M-2	JoDAVIESS	81	22
PLOT SCALE = 20.0000' / IN.	CHECKED - JMS	REVISED -	REVISED -		CONTRACT NO. 64E29			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
PLOT DATE = 1/21/2009	DATE - 01/23/09	REVISED -	REVISED -									

PLAN	SURVEYED	DATE
	ALIGNED	
	CHECKED	
	BY	
	NO. OF WAY CHECKED	
	ADD. FILE NAME	
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PROFILE	SURVEYED	DATE
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	CHECKED	
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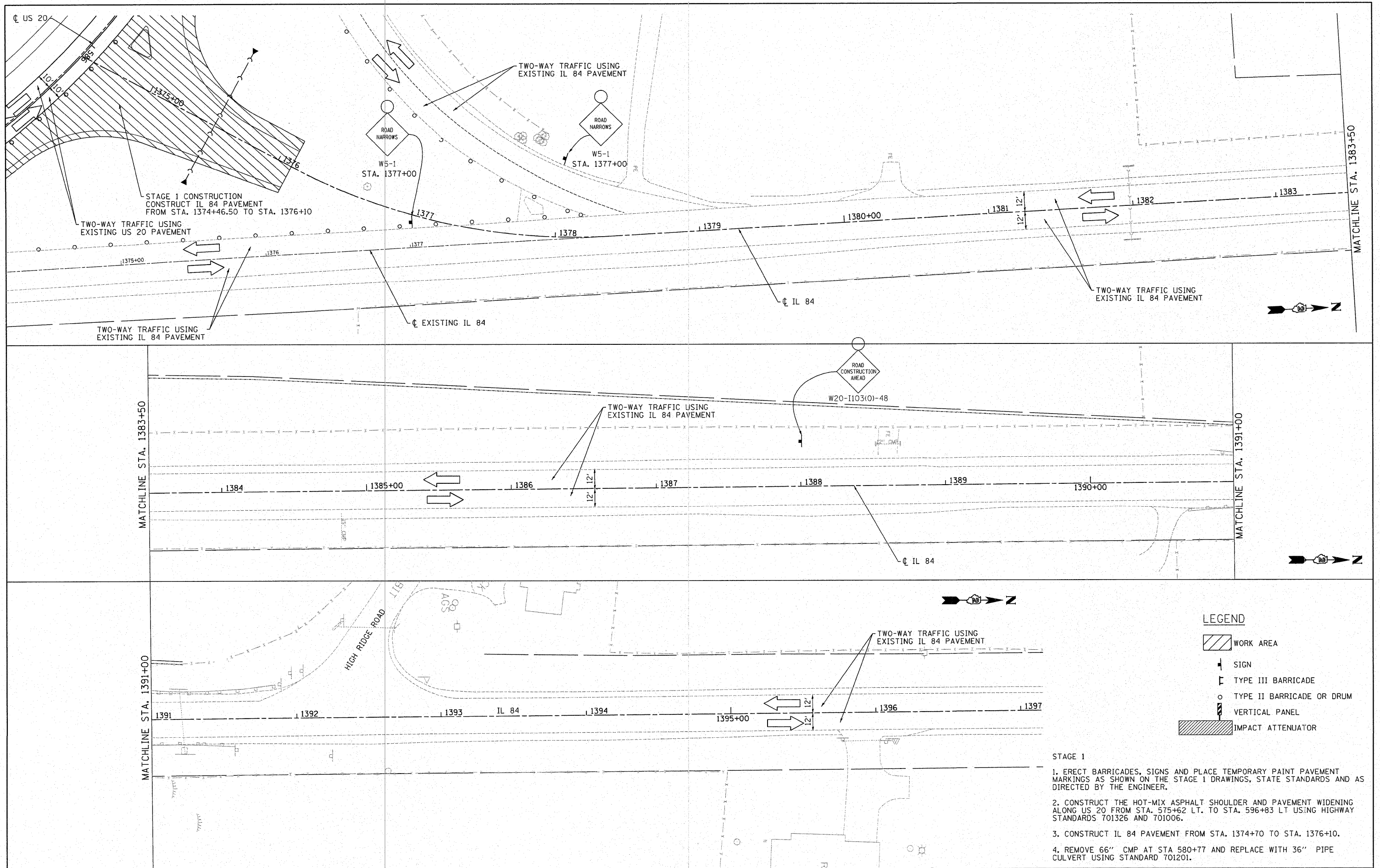


PROP. CURVE GA025220
 PI STA. = 595+25.55
 Δ = 15° 23' 19" (LT)
 D = 4° 31' 07"
 R = 1,268.00'
 T = 171.31'
 L = 340.56'
 E = 11.52'
 e = -----
 T.R. = -----
 S.E. RUN = -----
 P.C. STA = 593+54.24
 P.T. STA = 596+94.80



STA. 593+00 TO STA. 596+83
 EARTH EXCAVATION = 152 CU. YD.
 EMBANKMENT = 418 CU. YD.
 SHORTAGE = 304 CU. YD.

FILE NAME = W:\2298-03 - US 20 IL 84 Intersection\CADD	USER NAME = IDOTCAD	DESIGNED - SPF	REVISED -	STATE OF ILLINOIS	PLAN AND PROFILE - US20	F.A.P. RTE. 301	SECTION 30-M-2	COUNTY JoDAVIESS	TOTAL SHEETS 81	SHEET NO. 23
	Sheets\0209108-shr-plnprf-20.dgn	DRAWN - AJP	REVISED -	DEPARTMENT OF TRANSPORTATION	SCALE: 20H 5V	SHEET NO. 05 OF 05 SHEETS		STA. 593+00 TO STA. 596+83.32		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT
	PLOT SCALE = 20.0000' / IN.	CHECKED - JMS	REVISED -		CONTRACT NO. 64E29					
	PLOT DATE = 1/21/2009	DATE - 01/23/09	REVISED -							



- LEGEND**
- WORK AREA
 - SIGN
 - TYPE III BARRICADE
 - TYPE II BARRICADE OR DRUM
 - VERTICAL PANEL
 - IMPACT ATTENUATOR

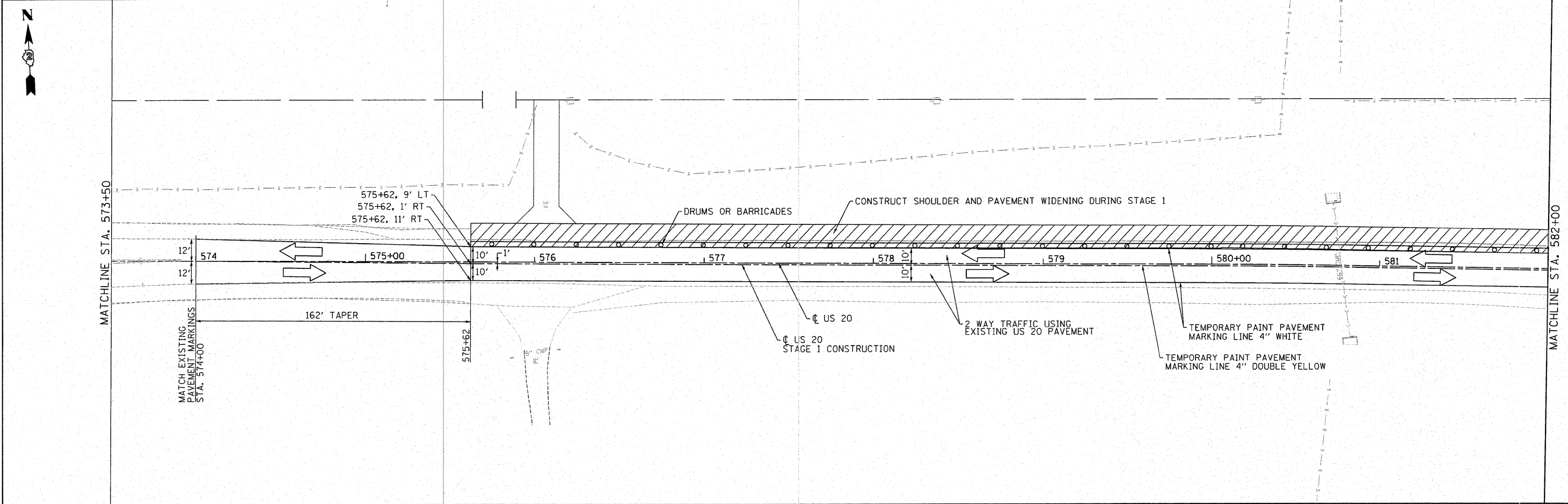
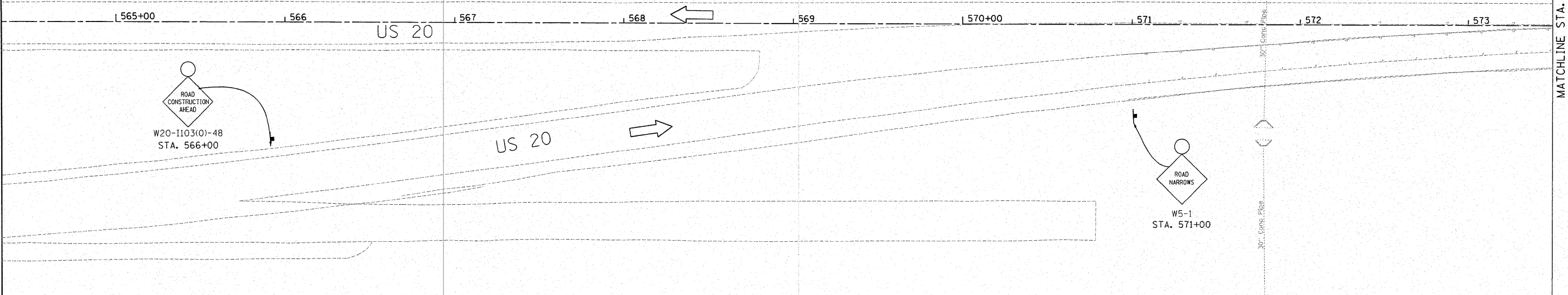
- STAGE 1**
1. ERECT BARRICADES, SIGNS AND PLACE TEMPORARY PAINT PAVEMENT MARKINGS AS SHOWN ON THE STAGE 1 DRAWINGS, STATE STANDARDS AND AS DIRECTED BY THE ENGINEER.
 2. CONSTRUCT THE HOT-MIX ASPHALT SHOULDER AND PAVEMENT WIDENING ALONG US 20 FROM STA. 575+62 LT. TO STA. 596+83 LT USING HIGHWAY STANDARDS 701326 AND 701006.
 3. CONSTRUCT IL 84 PAVEMENT FROM STA. 1374+70 TO STA. 1376+10.
 4. REMOVE 66" CMP AT STA 580+77 AND REPLACE WITH 36" PIPE CULVERT USING STANDARD 701201.

FILE NAME =	USER NAME = IDOTCAD	DESIGNED - SPF	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC STAGING PLANS STAGE 1 - IL 84	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
W:\2298-03 - US 20 IL 84 Intersection\CAD Sheets\0208108-sht-staging1.dgn	DRAWN - AJP	REVISED -	301			30-M-2	JoDAVIESS	81	24	
PLOT SCALE = 30.0000' / IN.	CHECKED - JMS	REVISED -	CONTRACT NO. 64E29							
PLOT DATE = 1/22/2009	DATE - 01/23/09	REVISED -	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT							

LEGEND

- WORK AREA
- SIGN
- TYPE III BARRICADE
- TYPE II BARRICADE OR DRUM
- VERTICAL PANEL
- IMPACT ATTENUATOR

- STAGE 1**
1. ERECT BARRICADES, SIGNS AND PLACE TEMPORARY PAINT PAVEMENT MARKINGS AS SHOWN ON THE STAGE 1 DRAWINGS, STATE STANDARDS AND AS DIRECTED BY THE ENGINEER.
 2. CONSTRUCT THE HOT-MIX ASPHALT SHOULDER AND PAVEMENT WIDENING ALONG US 20 FROM STA. 575+62 LT. TO STA. 596+83 LT USING HIGHWAY STANDARDS 701326 AND 701006.
 3. CONSTRUCT IL 84 PAVEMENT FROM STA. 1374+70 TO STA. 1376+10.
 4. REMOVE 66" CMP AT STA 580+77 AND REPLACE WITH 36" PIPE CULVERT USING STANDARD 701201.



FILE NAME =	USER NAME = IDOTCAD	DESIGNED - SPF	REVISED -
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




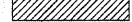
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TRAFFIC STAGING PLANS STAGE 1 - US 20

SCALE: 1"=30' SHEET NO. 02 OF 04 SHEETS STA. TO STA.

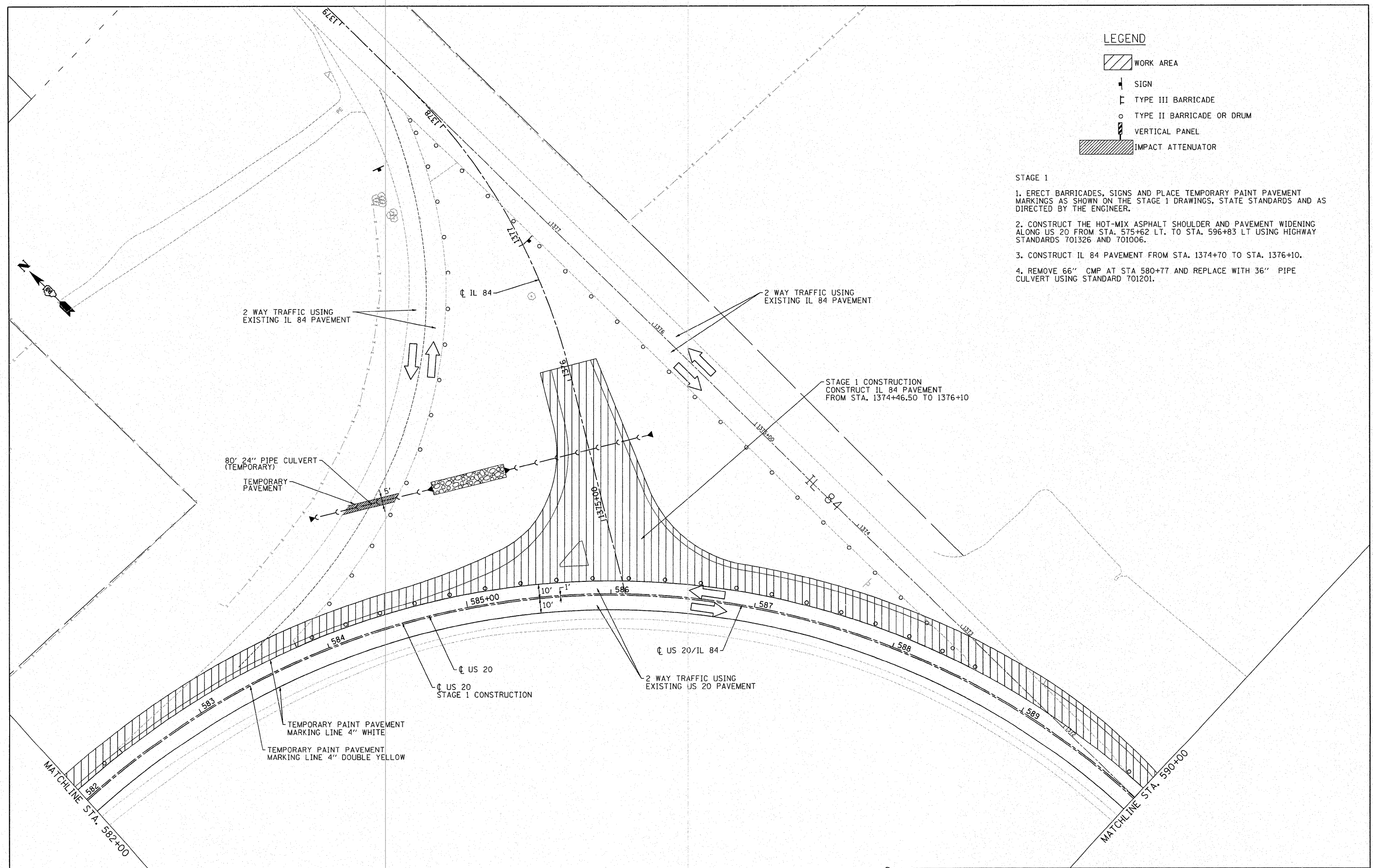
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	30-M-2	JoDAVISS	81	25
CONTRACT NO. 64E29				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

LEGEND

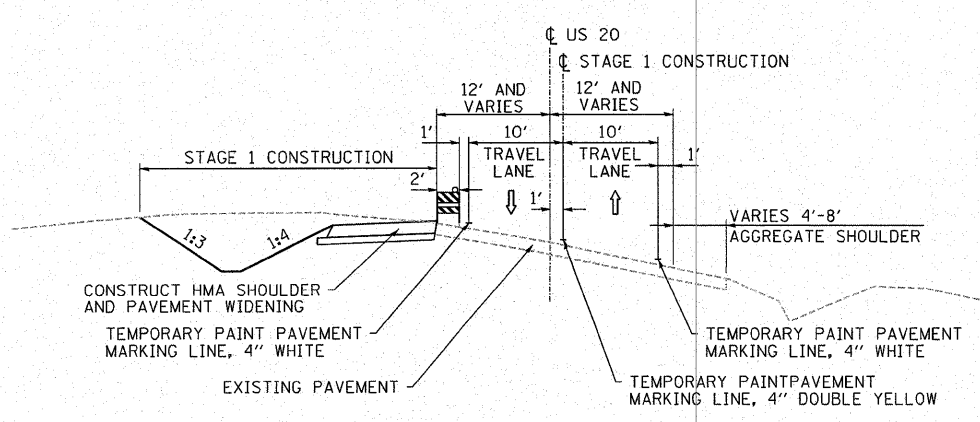
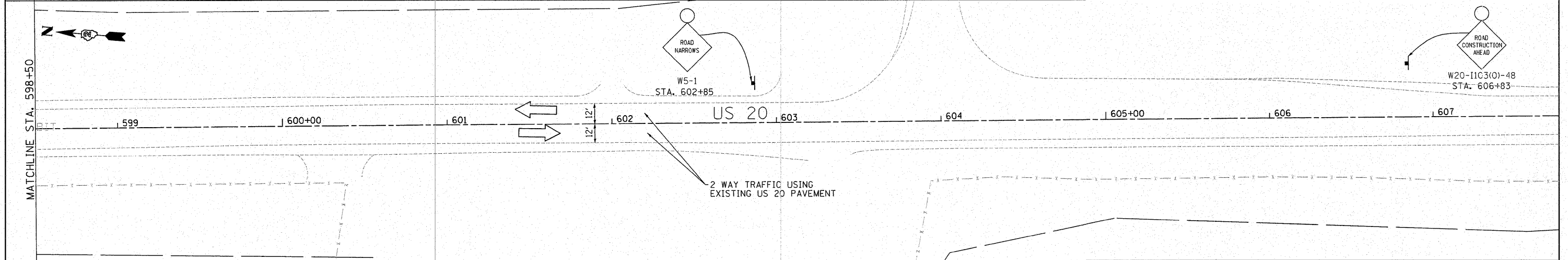
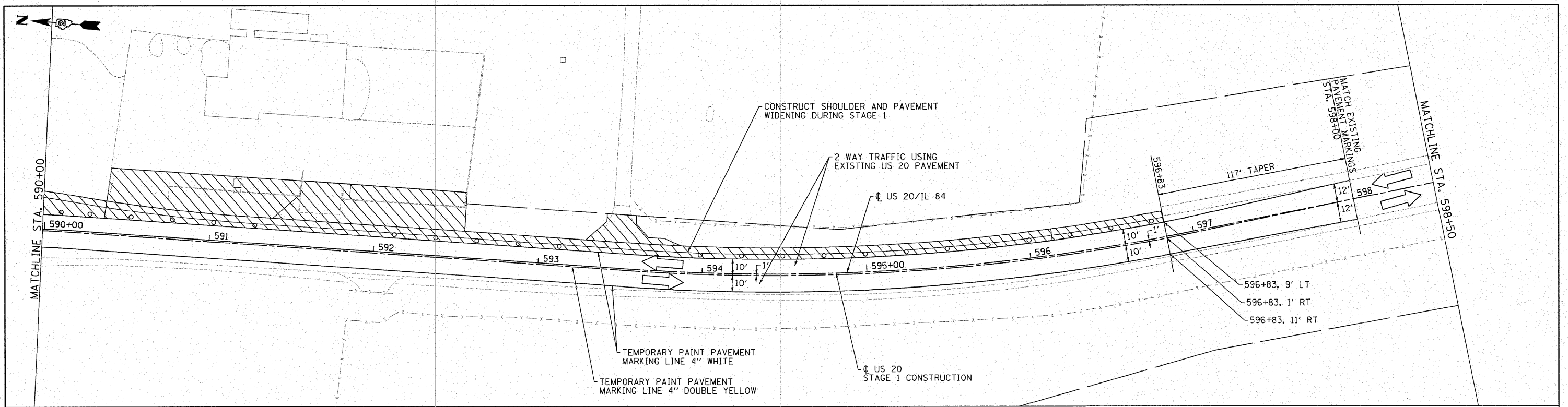
-  WORK AREA
-  SIGN
-  TYPE III BARRICADE
-  TYPE II BARRICADE OR DRUM
-  VERTICAL PANEL
-  IMPACT ATTENUATOR

STAGE 1

1. ERECT BARRICADES, SIGNS AND PLACE TEMPORARY PAINT PAVEMENT MARKINGS AS SHOWN ON THE STAGE 1 DRAWINGS, STATE STANDARDS AND AS DIRECTED BY THE ENGINEER.
2. CONSTRUCT THE HOT-MIX ASPHALT SHOULDER AND PAVEMENT WIDENING ALONG US 20 FROM STA. 575+62 LT. TO STA. 596+83 LT USING HIGHWAY STANDARDS 701326 AND 701006.
3. CONSTRUCT IL 84 PAVEMENT FROM STA. 1374+70 TO STA. 1376+10.
4. REMOVE 66" CMP AT STA 580+77 AND REPLACE WITH 36" PIPE CULVERT USING STANDARD 701201.



FILE NAME =	USER NAME = IDOTCAD	DESIGNED - SPF	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC STAGING PLANS STAGE 1 - US 20	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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PLOT DATE = 1/22/2009	DATE - 01/23/09	REVISED -	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					
SCALE: 1"=30'						SHEET NO. 03 OF 04 SHEETS		STA.		TO STA.	



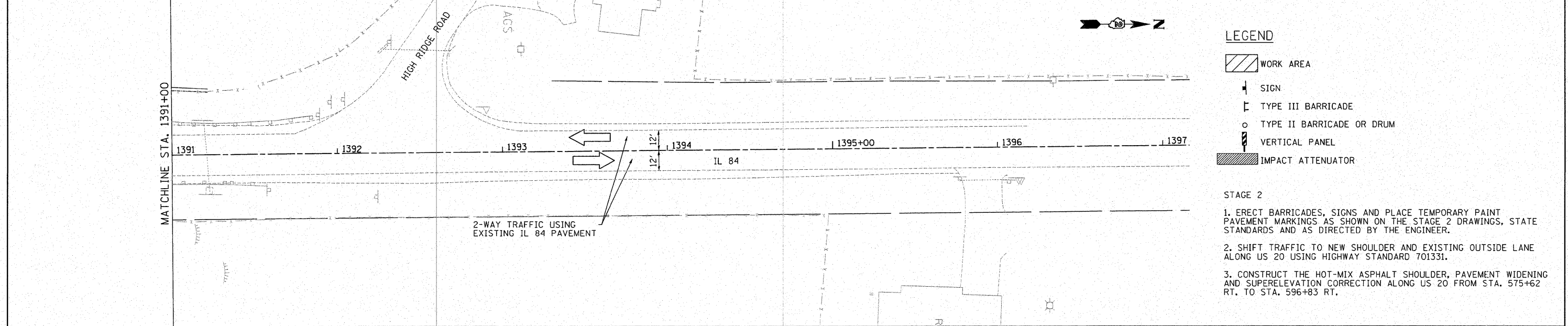
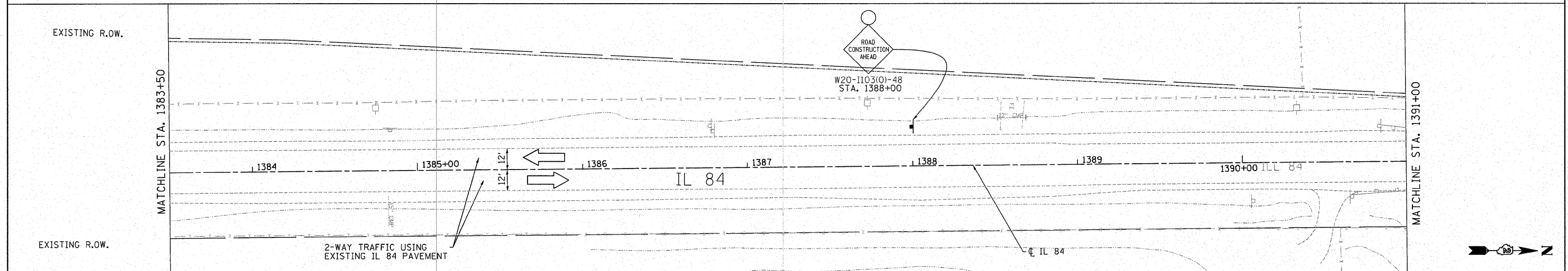
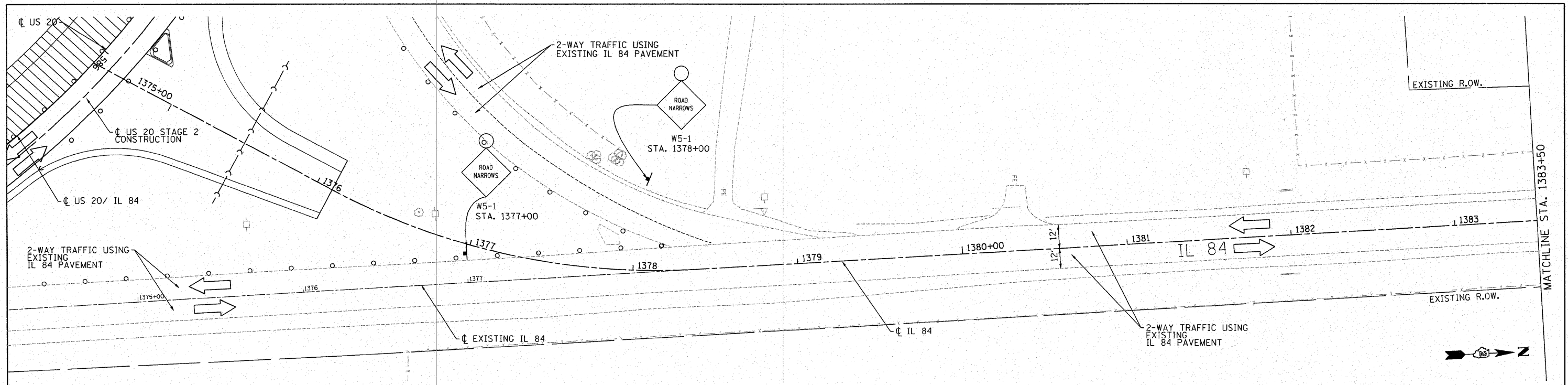
TYPICAL SECTION STAGE 1
US 20 STA. 575+62 TO 596+83

LEGEND

- WORK AREA
- SIGN
- TYPE III BARRICADE
- TYPE II BARRICADE OR DRUM
- VERTICAL PANEL
- IMPACT ATTENUATOR

- STAGE 1**
1. ERECT BARRICADES, SIGNS AND PLACE TEMPORARY PAINT PAVEMENT MARKINGS AS SHOWN ON THE STAGE 1 DRAWINGS, STATE STANDARDS AND AS DIRECTED BY THE ENGINEER.
 2. CONSTRUCT THE HOT-MIX ASPHALT SHOULDER AND PAVEMENT WIDENING ALONG US 20 FROM STA. 575+62 LT. TO STA. 596+83 LT USING HIGHWAY STANDARDS 701326 AND 701006.
 3. CONSTRUCT IL 84 PAVEMENT FROM STA. 1374+70 TO STA. 1376+10.
 4. REMOVE 66" CMP AT STA 580+77 AND REPLACE WITH 36" PIPE CULVERT USING STANDARD 701201.

FILE NAME =	USER NAME = IDOTCAD	DESIGNED - SPF	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC STAGING PLANS STAGE 1 - US 20	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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PLOT SCALE = 30.0000 // IN.	CHECKED - JMS	REVISED -	REVISED -			CONTRACT NO. 64E29					
PLOT DATE = 1/22/2009	DATE - 01/23/09	REVISED -	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					



- LEGEND**
- WORK AREA
 - SIGN
 - TYPE III BARRICADE
 - TYPE II BARRICADE OR DRUM
 - VERTICAL PANEL
 - IMPACT ATTENUATOR

- STAGE 2**
1. ERECT BARRICADES, SIGNS AND PLACE TEMPORARY PAINT PAVEMENT MARKINGS AS SHOWN ON THE STAGE 2 DRAWINGS, STATE STANDARDS AND AS DIRECTED BY THE ENGINEER.
 2. SHIFT TRAFFIC TO NEW SHOULDER AND EXISTING OUTSIDE LANE ALONG US 20 USING HIGHWAY STANDARD 701331.
 3. CONSTRUCT THE HOT-MIX ASPHALT SHOULDER, PAVEMENT WIDENING AND SUPERELEVATION CORRECTION ALONG US 20 FROM STA. 575+62 RT. TO STA. 596+83 RT.

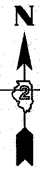
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PLOT SCALE = 30.0000' / IN.		CHECKED - JMS	REVISED -
PLOT DATE = 1/22/2009		DATE - 01/23/09	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TRAFFIC STAGING PLAN STAGE 2 - IL 84

SCALE: 1"=30' SHEET NO. 01 OF 04 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	30-M-2	JoDAVISS	81	28
CONTRACT NO. 64E29				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

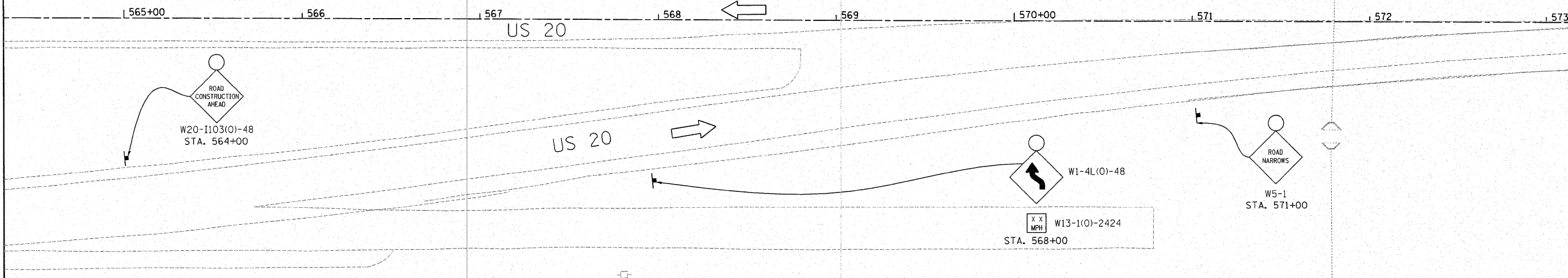


STAGE 2

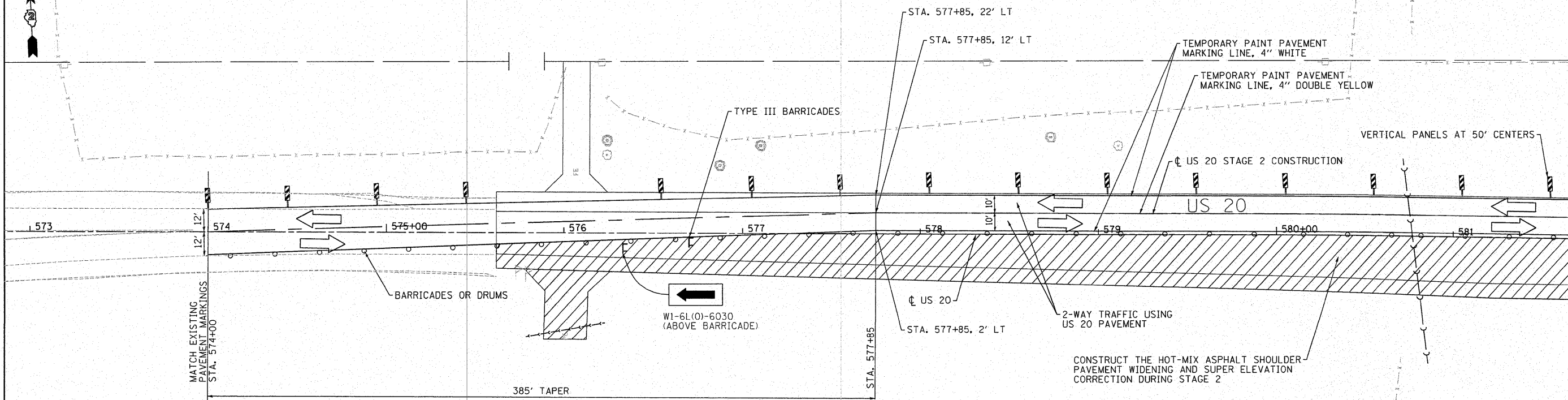
1. ERECT BARRICADES, SIGNS AND PLACE TEMPORARY PAINT PAVEMENT MARKINGS AS SHOWN ON THE STAGE 2 DRAWINGS, STATE STANDARDS AND AS DIRECTED BY THE ENGINEER.
2. SHIFT TRAFFIC TO NEW SHOULDER AND EXISTING OUTSIDE LANE ALONG US 20 USING HIGHWAY STANDARD 701331.
3. CONSTRUCT THE HOT-MIX ASPHALT SHOULDER, PAVEMENT WIDENING AND SUPERELEVATION CORRECTION ALONG US 20 FROM STA. 575+62 RT. TO STA. 596+83 RT.

LEGEND

- WORK AREA
- SIGN
- TYPE III BARRICADE
- TYPE II BARRICADE OR DRUM
- VERTICAL PANEL
- IMPACT ATTENUATOR



MATCHLINE STA. 573+50



MATCHLINE STA. 582+00

FILE NAME =	USER NAME = IDOTCAD	DESIGNED - SPF	REVISED -
W:\2298-03 - US 20 IL 84 Intersection\CADD Sheets\0208108-sht-staging2.dgn	DRAWN - AJP	REVISED -	REVISED -
PLOT SCALE = 30.0000' / IN.	CHECKED - JMS	REVISED -	REVISED -
PLOT DATE = 1/22/2009	DATE - 01/23/09	REVISED -	REVISED -







**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TRAFFIC STAGING PLAN STAGE 2 - US 20

SCALE: 1"=30' SHEET NO. 02 OF 04 SHEETS STA. TO STA.

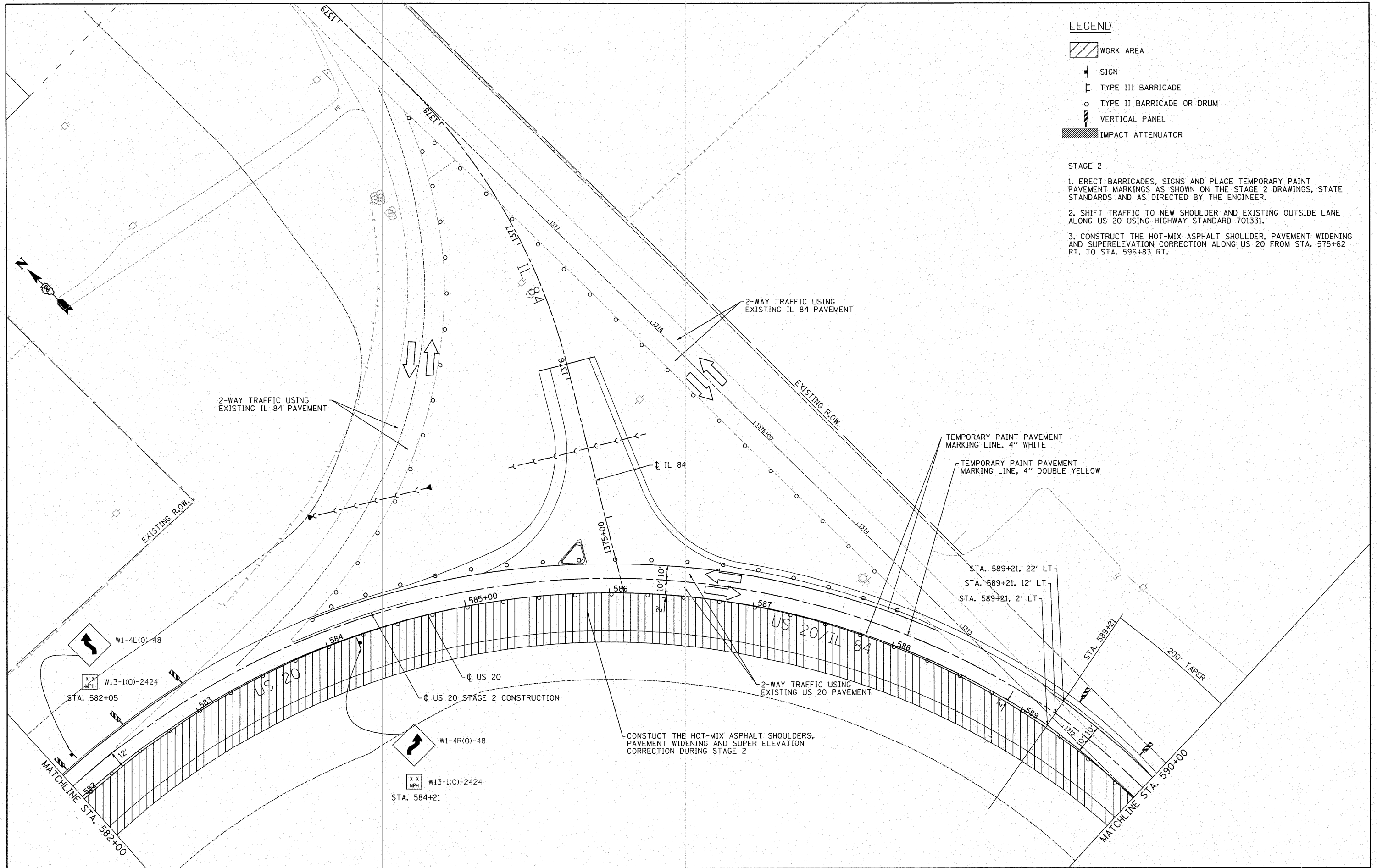
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301	30-M-2	JoDAVIESS	81	29
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 64E29	

LEGEND

-  WORK AREA
-  SIGN
-  TYPE III BARRICADE
-  TYPE II BARRICADE OR DRUM
-  VERTICAL PANEL
-  IMPACT ATTENUATOR

STAGE 2

1. ERECT BARRICADES, SIGNS AND PLACE TEMPORARY PAINT PAVEMENT MARKINGS AS SHOWN ON THE STAGE 2 DRAWINGS, STATE STANDARDS AND AS DIRECTED BY THE ENGINEER.
2. SHIFT TRAFFIC TO NEW SHOULDER AND EXISTING OUTSIDE LANE ALONG US 20 USING HIGHWAY STANDARD 701331.
3. CONSTRUCT THE HOT-MIX ASPHALT SHOULDER, PAVEMENT WIDENING AND SUPERELEVATION CORRECTION ALONG US 20 FROM STA. 575+62 RT. TO STA. 596+83 RT.



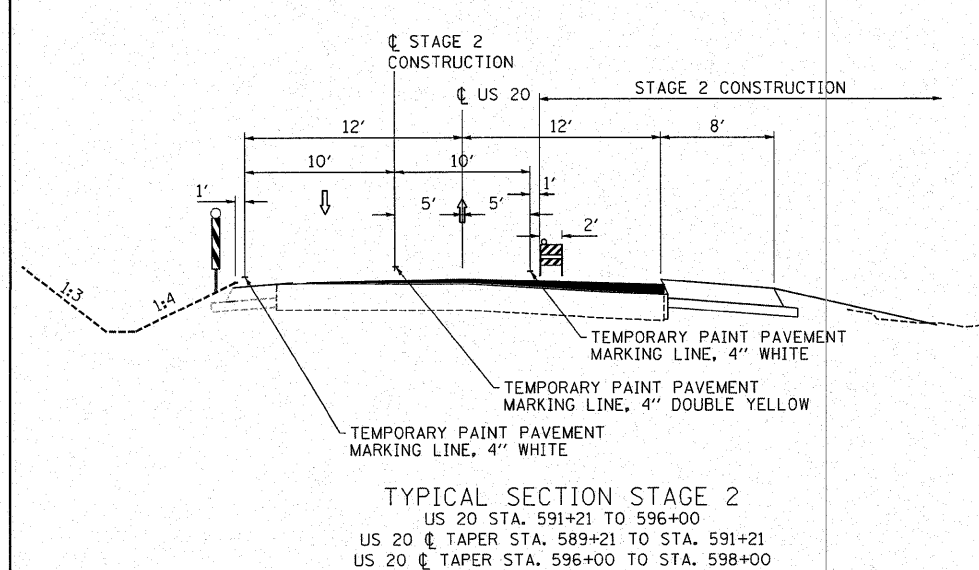
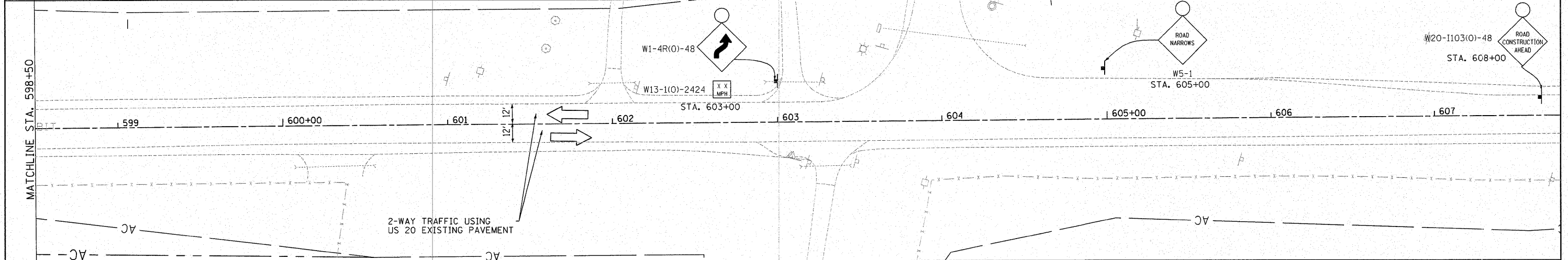
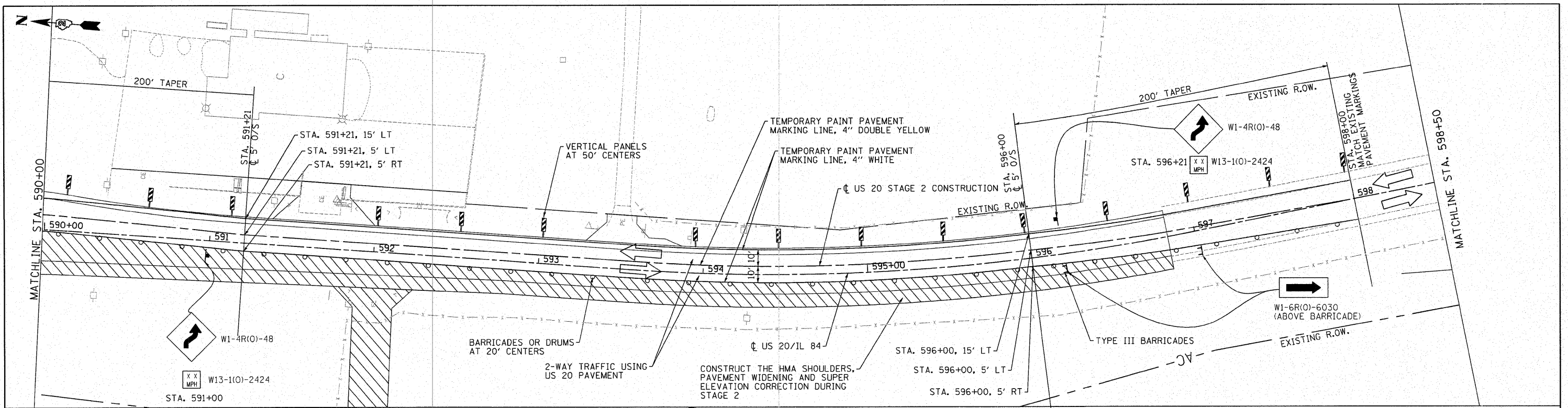
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PLOT DATE = 1/22/2009		DATE - 01/23/09	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

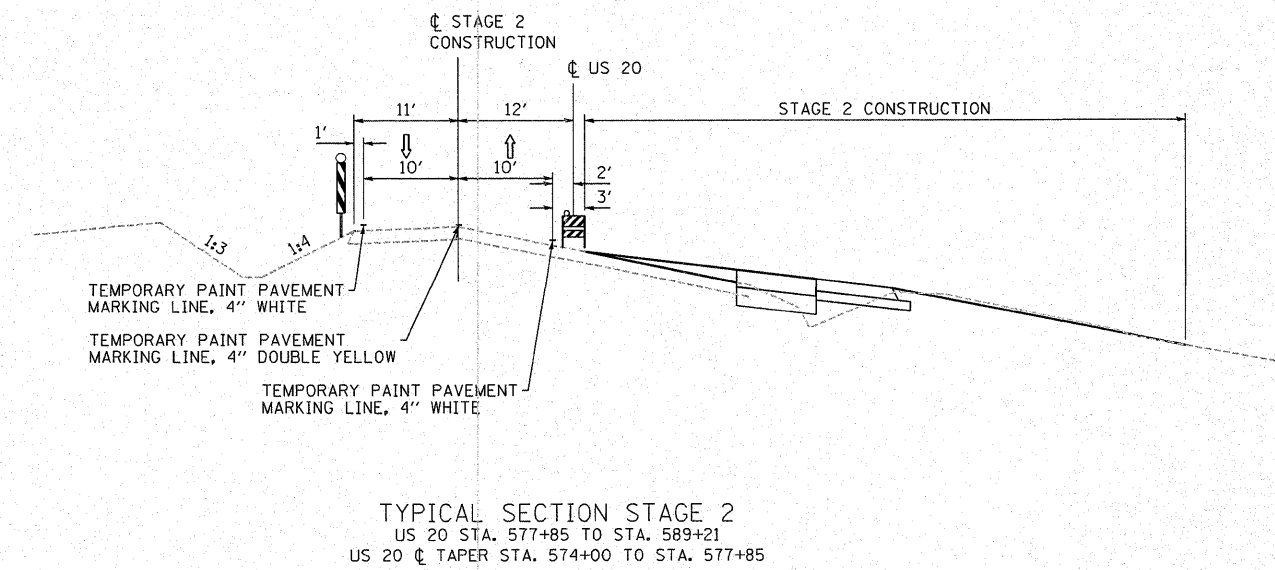
TRAFFIC STAGING PLAN STAGE 2 - US 20

SCALE: 1"=30' SHEET NO. 03 OF 04 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	30-M-2	JoDAVIESS	81	30
CONTRACT NO. 64E29				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



TYPICAL SECTION STAGE 2
 US 20 STA. 591+21 TO 596+00
 US 20 ϕ TAPER STA. 589+21 TO STA. 591+21
 US 20 ϕ TAPER STA. 596+00 TO STA. 598+00



TYPICAL SECTION STAGE 2
 US 20 STA. 577+85 TO STA. 589+21
 US 20 ϕ TAPER STA. 574+00 TO STA. 577+85

LEGEND

- WORK AREA
- SIGN
- TYPE III BARRICADE
- TYPE II BARRICADE OR DRUM
- VERTICAL PANEL
- IMPACT ATTENUATOR

- STAGE 2**
1. ERECT BARRICADES, SIGNS AND PLACE TEMPORARY PAINT PAVEMENT MARKINGS AS SHOWN ON THE STAGE 2 DRAWINGS, STATE STANDARDS AND AS DIRECTED BY THE ENGINEER.
 2. SHIFT TRAFFIC TO NEW SHOULDER AND EXISTING OUTSIDE LANE ALONG US 20 USING HIGHWAY STANDARD 701331.
 3. CONSTRUCT THE HOT-MIX ASPHALT SHOULDER, PAVEMENT WIDENING AND SUPERELEVATION CORRECTION ALONG US 20 FROM STA. 575+62 RT. TO STA. 596+83 RT.

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USER NAME = IDOTCAD
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 PLOT DATE = 1/22/2009

DESIGNED - SPF
 DRAWN - AJP
 CHECKED - JMS
 DATE - 01/23/09

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

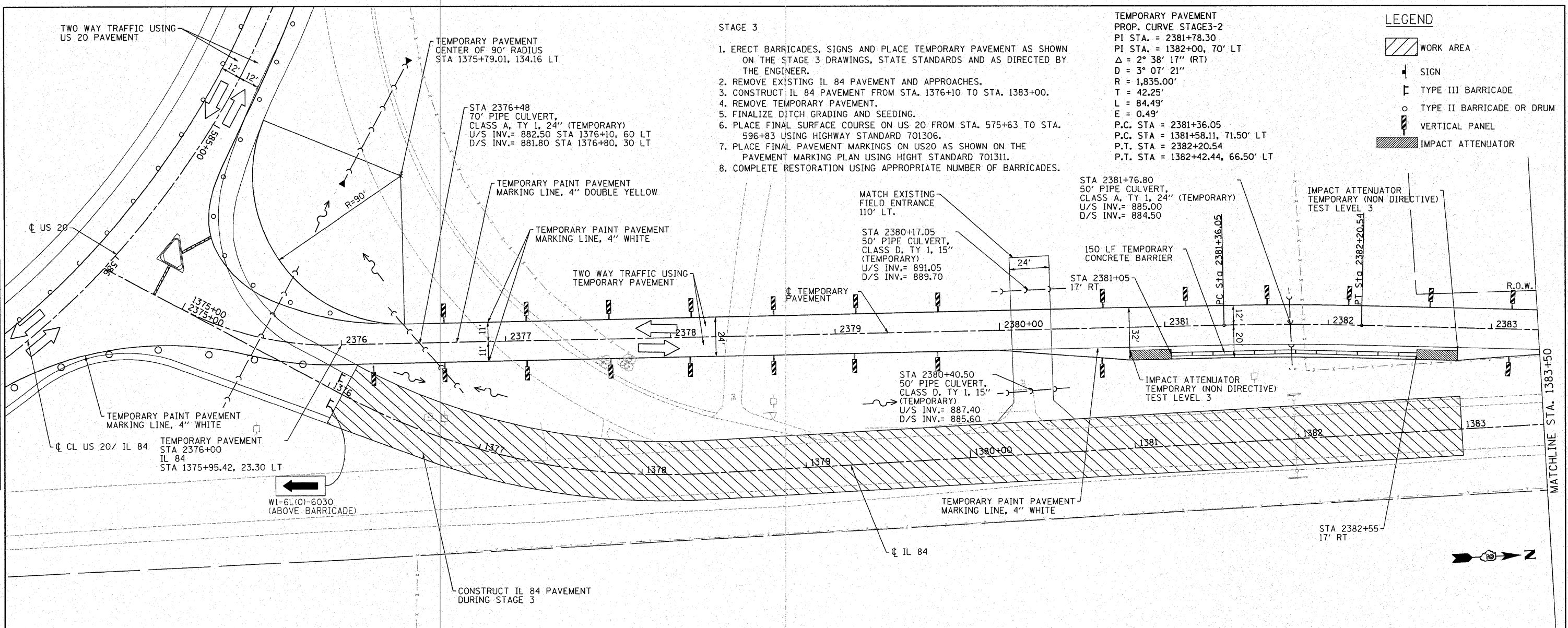
TRAFFIC STAGING PLAN STAGE 2 - US 20

SCALE: 1"=30' SHEET NO. 04 OF 04 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 64E29				
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				

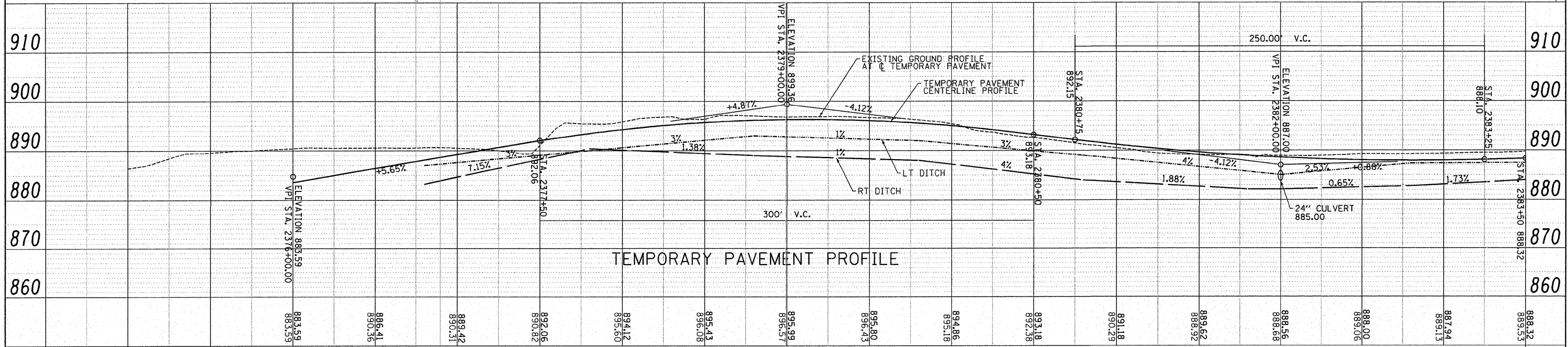
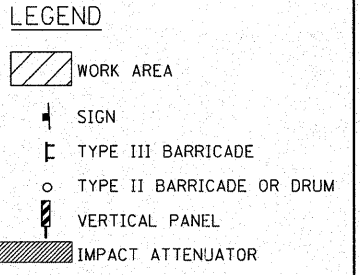
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 SURVEYED PLOTTED
 PLAN
 ALIGNMENT CHECKED
 NOTE BOOK NO. _____
 CAD FILE NAME _____

DATE: _____ BY: _____
 SURVEYED
 PROFILE
 GRADES CHECKED
 NOTE BOOK NO. _____
 STRUCTURE NOTATIONS CHRD _____



- STAGE 3
1. ERECT BARRICADES, SIGNS AND PLACE TEMPORARY PAVEMENT AS SHOWN ON THE STAGE 3 DRAWINGS, STATE STANDARDS AND AS DIRECTED BY THE ENGINEER.
 2. REMOVE EXISTING IL 84 PAVEMENT AND APPROACHES.
 3. CONSTRUCT IL 84 PAVEMENT FROM STA. 1376+10 TO STA. 1383+00.
 4. REMOVE TEMPORARY PAVEMENT.
 5. FINALIZE DITCH GRADING AND SEEDING.
 6. PLACE FINAL SURFACE COURSE ON US 20 FROM STA. 575+63 TO STA. 596+83 USING HIGHWAY STANDARD 701306.
 7. PLACE FINAL PAVEMENT MARKINGS ON US20 AS SHOWN ON THE PAVEMENT MARKING PLAN USING HIGHT STANDARD 701311.
 8. COMPLETE RESTORATION USING APPROPRIATE NUMBER OF BARRICADES.

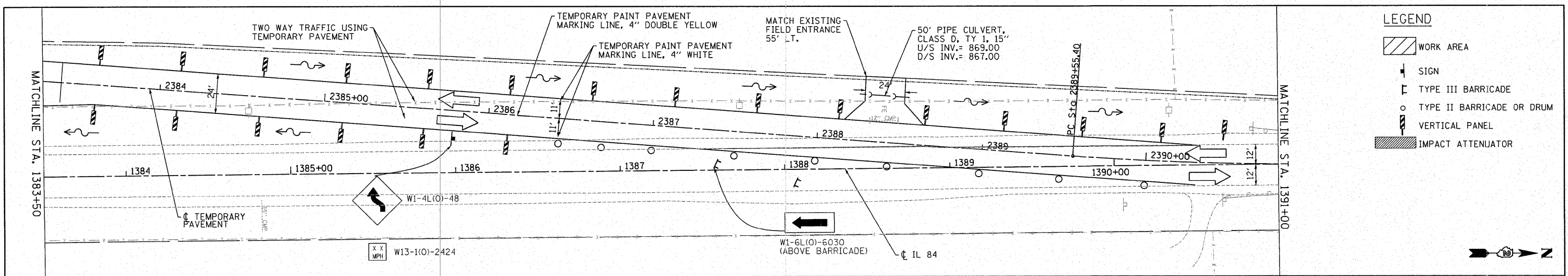
TEMPORARY PAVEMENT
 PROP. CURVE STAGE3-2
 PI STA. = 2381+78.30
 PI STA. = 1382+00, 70' LT
 $\Delta = 2^\circ 38' 17''$ (RT)
 $D = 3^\circ 07' 21''$
 $R = 1,835.00'$
 $T = 42.25'$
 $L = 84.49'$
 $E = 0.49'$
 P.C. STA = 2381+36.05
 P.C. STA = 1381+58.11, 71.50' LT
 P.T. STA = 2382+20.54
 P.T. STA = 1382+42.44, 66.50' LT



FILE NAME =	USER NAME = IDOTCAD	DESIGNED -	SPF	REVISED -		STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		TRAFFIC STAGING PLAN STAGE 3 - IL 84		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
W:\2298-03 - US 20 IL 84 Intersection\CAD	Sheets\0208108-sh3-staging3.dgn	DRAWN -	AJP	REVISED -		SCALE: 1"=30'	SHEET NO. 01 OF 05 SHEETS	STA.	TO STA.	301	30-M-2	JoDAVIESS	81	32
PLOT SCALE = 30.0000' / IN.		CHECKED -	JMS	REVISED -						CONTRACT NO. 64E29				
PLOT DATE = 1/22/2009		DATE -	01/23/09	REVISED -						FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				

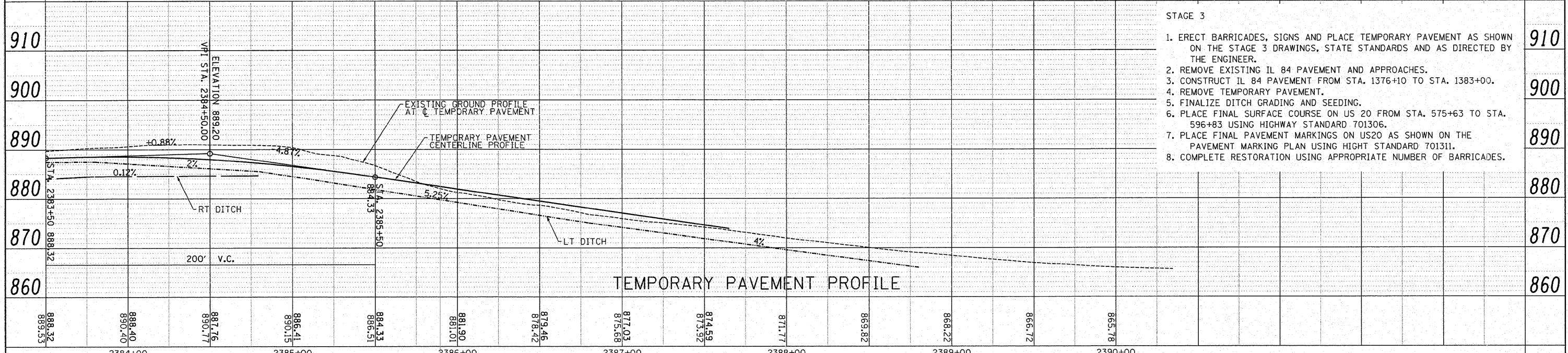
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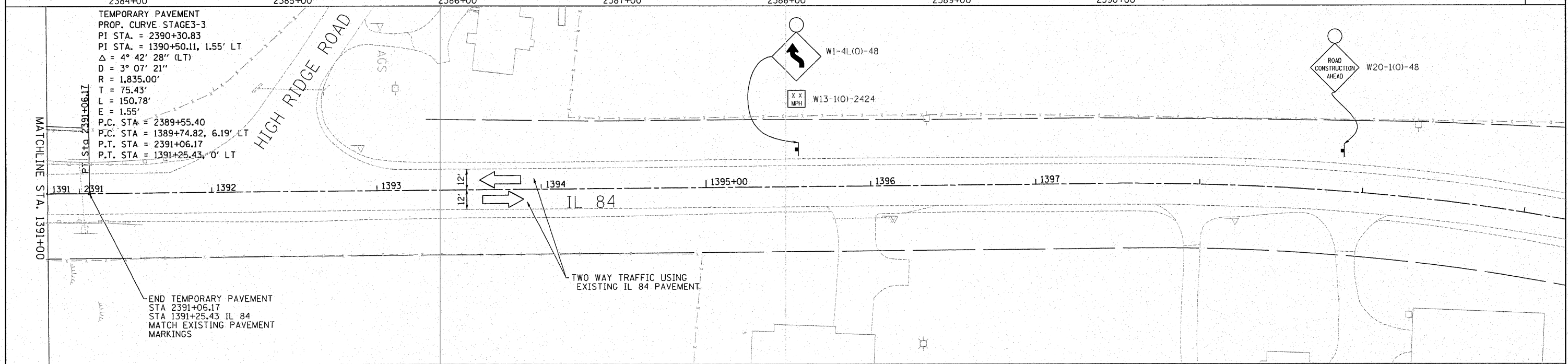


LEGEND

- WORK AREA
- SIGN
- TYPE III BARRICADE
- TYPE II BARRICADE OR DRUM
- VERTICAL PANEL
- IMPACT ATTENUATOR



- STAGE 3**
- ERECT BARRICADES, SIGNS AND PLACE TEMPORARY PAVEMENT AS SHOWN ON THE STAGE 3 DRAWINGS, STATE STANDARDS AND AS DIRECTED BY THE ENGINEER.
 - REMOVE EXISTING IL 84 PAVEMENT AND APPROACHES.
 - CONSTRUCT IL 84 PAVEMENT FROM STA. 1376+10 TO STA. 1383+00.
 - REMOVE TEMPORARY PAVEMENT.
 - FINALIZE DITCH GRADING AND SEEDING.
 - PLACE FINAL SURFACE COURSE ON US 20 FROM STA. 575+63 TO STA. 596+83 USING HIGHWAY STANDARD 701306.
 - PLACE FINAL PAVEMENT MARKINGS ON US20 AS SHOWN ON THE PAVEMENT MARKING PLAN USING HIGH STANDARD 701311.
 - COMPLETE RESTORATION USING APPROPRIATE NUMBER OF BARRICADES.









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PLOT SCALE = 30.0000' / IN.	CHECKED - JMS	DATE = 01/23/09	REVISED -		SCALE: 1"=30'	SHEET NO. 02 OF 05 SHEETS	STA. TO STA.	CONTRACT NO. 64E29				
PLOT DATE = 1/22/2009	DATE = 01/23/09	REVISED -	REVISED -		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT							

STAGE 3

1. ERECT BARRICADES, SIGNS AND PLACE TEMPORARY PAVEMENT AS SHOWN ON THE STAGE 3 DRAWINGS, STATE STANDARDS AND AS DIRECTED BY THE ENGINEER.
2. REMOVE EXISTING IL 84 PAVEMENT AND APPROACHES.
3. CONSTRUCT IL 84 PAVEMENT FROM STA. 1376+10 TO STA. 1383+00.
4. REMOVE TEMPORARY PAVEMENT.
5. FINALIZE DITCH GRADING AND SEEDING.
6. PLACE FINAL SURFACE COURSE ON US 20 FROM STA. 575+63 TO STA. 596+83 USING HIGHWAY STANDARD 701306.
7. PLACE FINAL PAVEMENT MARKINGS ON US20 AS SHOWN ON THE PAVEMENT MARKING PLAN USING HIGHT STANDARD 701311.
8. COMPLETE RESTORATION USING APPROPRIATE NUMBER OF BARRICADES.

LEGEND

-  WORK AREA
-  SIGN
-  TYPE III BARRICADE
-  TYPE II BARRICADE OR DRUM
-  VERTICAL PANEL
-  IMPACT ATTENUATOR

565+00

566

567

568

569

570+00

571

572

573

ROAD
CONSTRUCTION
AHEAD
W20-1103(0)-48
STA. 566+00

MATCHLINE STA. 573+50

573

574

575+00

576

577

578

579

580+00

581

US 20

TEMPORARY PAINT PAVEMENT
MARKING LINE, 4" WHITE

TEMPORARY PAINT PAVEMENT
MARKING LINE, 4" DOUBLE YELLOW

TWO WAY TRAFFIC USING
US 20 PAVEMENT

MATCHLINE STA. 582+00



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





STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC STAGING PLAN STAGE 3 - US 20

SCALE: 1"=30' SHEET NO. 03 OF 05 SHEETS STA. TO STA.

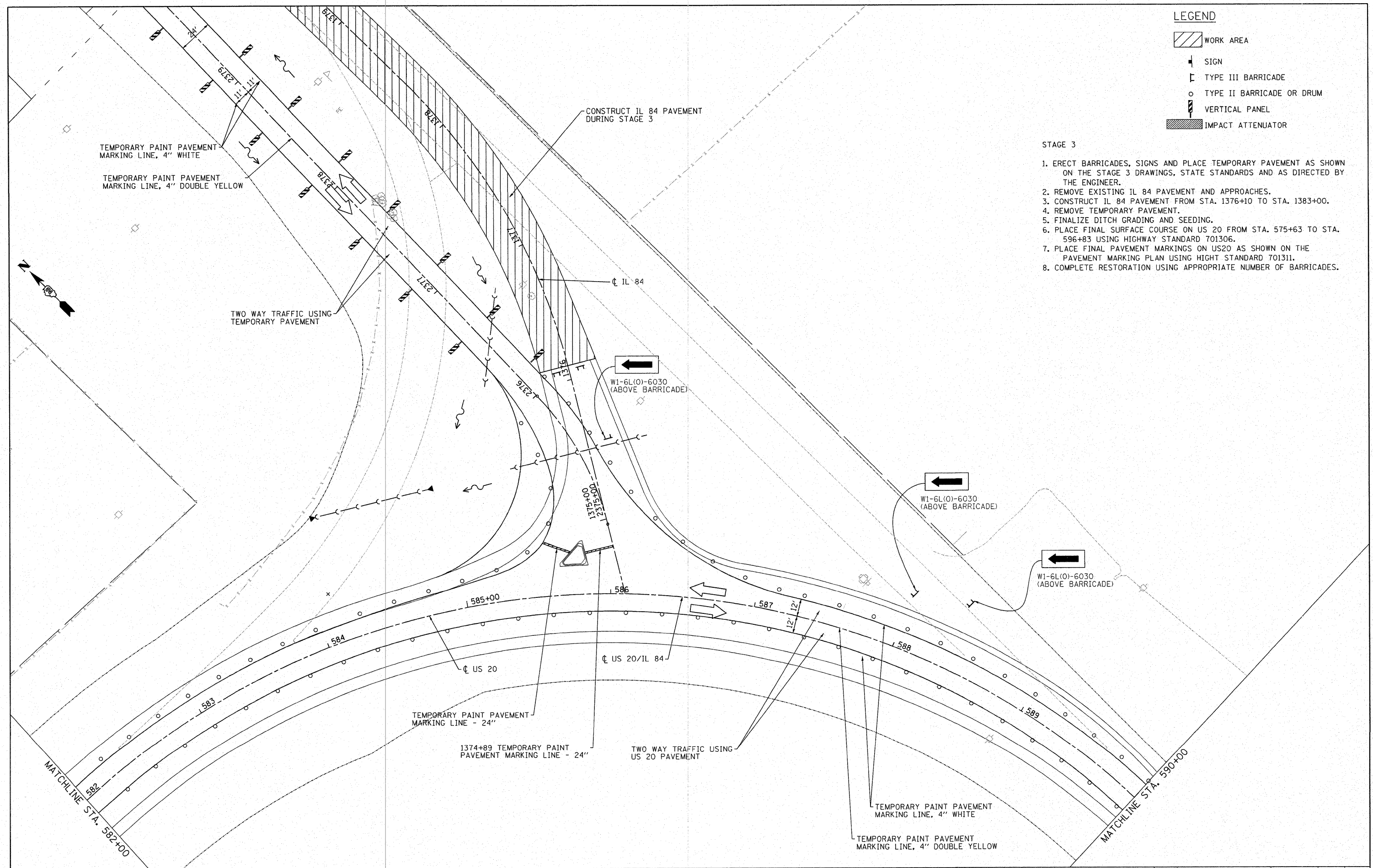
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	30-M-2	JoDAVIESS	81	34
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 64E29	

LEGEND

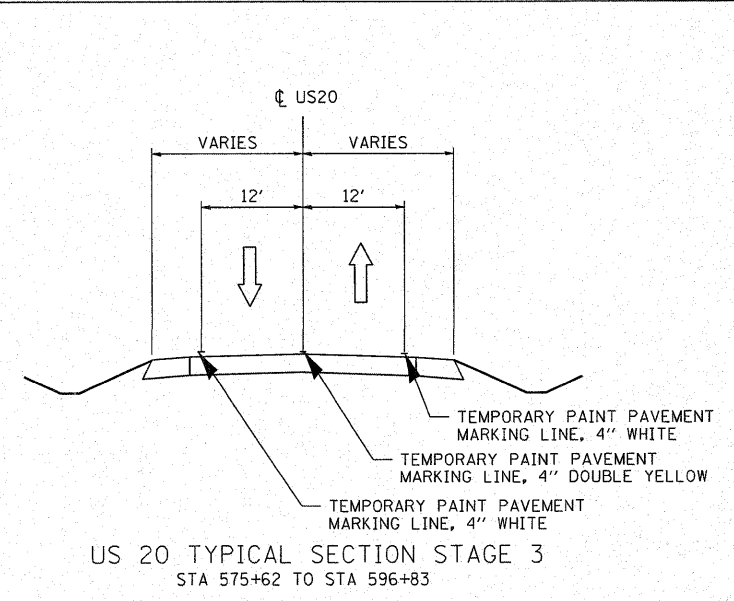
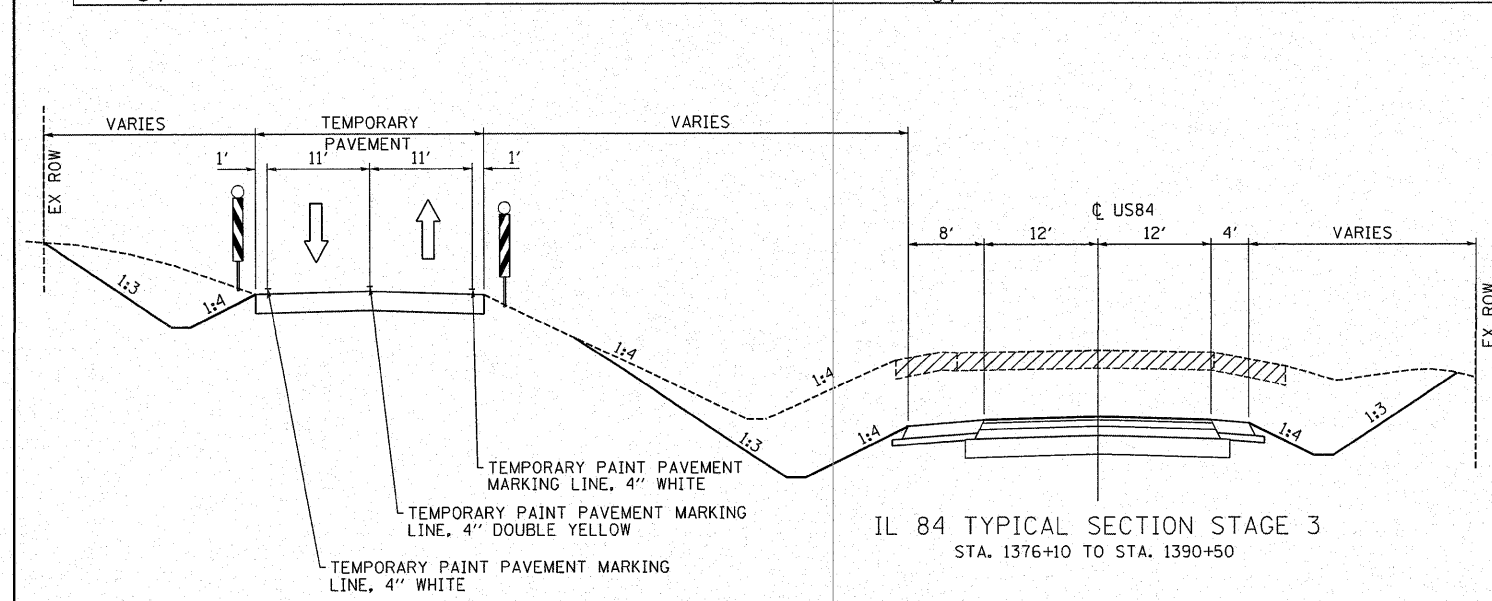
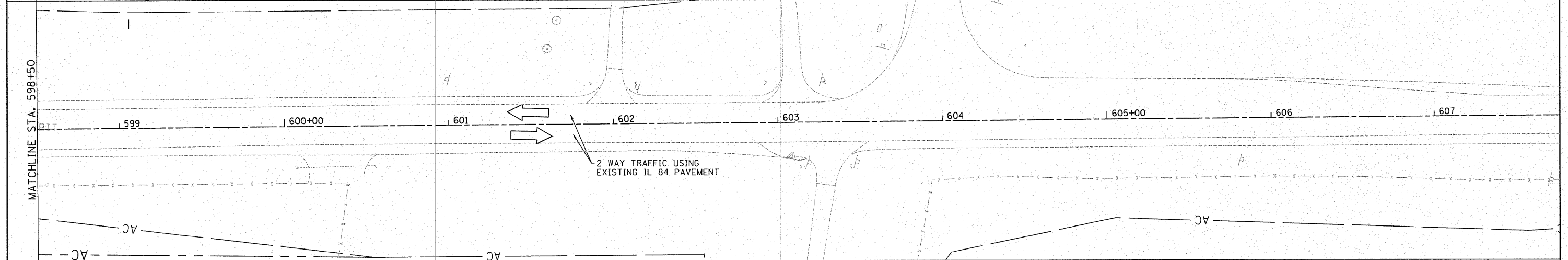
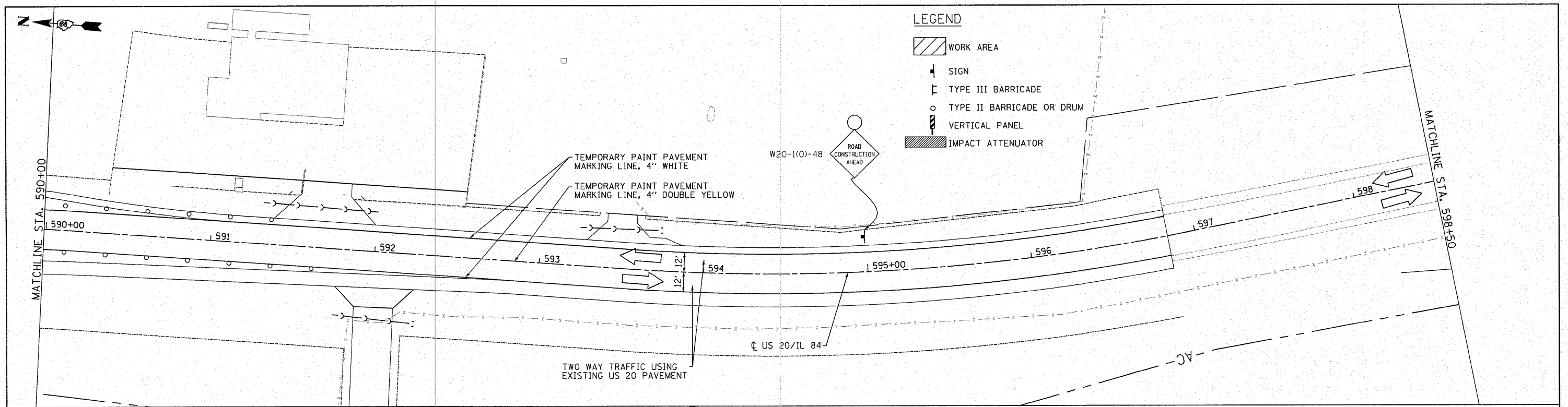
-  WORK AREA
-  SIGN
-  TYPE III BARRICADE
-  TYPE II BARRICADE OR DRUM
-  VERTICAL PANEL
-  IMPACT ATTENUATOR

STAGE 3

1. ERECT BARRICADES, SIGNS AND PLACE TEMPORARY PAVEMENT AS SHOWN ON THE STAGE 3 DRAWINGS, STATE STANDARDS AND AS DIRECTED BY THE ENGINEER.
2. REMOVE EXISTING IL 84 PAVEMENT AND APPROACHES.
3. CONSTRUCT IL 84 PAVEMENT FROM STA. 1376+10 TO STA. 1383+00.
4. REMOVE TEMPORARY PAVEMENT.
5. FINALIZE DITCH GRADING AND SEEDING.
6. PLACE FINAL SURFACE COURSE ON US 20 FROM STA. 575+63 TO STA. 596+83 USING HIGHWAY STANDARD 701306.
7. PLACE FINAL PAVEMENT MARKINGS ON US20 AS SHOWN ON THE PAVEMENT MARKING PLAN USING HIGHT STANDARD 701311.
8. COMPLETE RESTORATION USING APPROPRIATE NUMBER OF BARRICADES.



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	PLOT SCALE = 30.0000' / IN.	CHECKED - JMS	REVISED -		SCALE: 1"=30'	SHEET NO. 04 OF 05 SHEETS	STA. TO STA.	301	30-M-2	JoDAVISS	81	35
PLOT DATE = 1/22/2009	DATE - 01/23/09	REVISED -	REVISED -				CONTRACT NO. 64E29					
							FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					



- LEGEND**
- WORK AREA
 - SIGN
 - TYPE III BARRICADE
 - TYPE II BARRICADE OR DRUM
 - VERTICAL PANEL
 - IMPACT ATTENUATOR
- STAGE 3**
1. ERECT BARRICADES, SIGNS AND PLACE TEMPORARY PAVEMENT AS SHOWN ON THE STAGE 3 DRAWINGS, STATE STANDARDS AND AS DIRECTED BY THE ENGINEER.
 2. REMOVE EXISTING IL 84 PAVEMENT AND APPROACHES.
 3. CONSTRUCT IL 84 PAVEMENT FROM STA. 1376+10 TO STA. 1383+00.
 4. REMOVE TEMPORARY PAVEMENT.
 5. FINALIZE DITCH GRADING AND SEEDING.
 6. PLACE FINAL SURFACE COURSE ON US 20 FROM STA. 575+63 TO STA. 596+83 USING HIGHWAY STANDARD 701306.
 7. PLACE FINAL PAVEMENT MARKINGS ON US20 AS SHOWN ON THE PAVEMENT MARKING PLAN USING HIGHT STANDARD 701311.
 8. COMPLETE RESTORATION USING APPROPRIATE NUMBER OF BARRICADES.










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PLOT DATE = 1/22/2009		DATE - 01/23/09	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TRAFFIC STAGING PLAN STAGE 3 - US 20			
SCALE: 1"=30'	SHEET NO. 05 OF 05 SHEETS	STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	30-M-2	JoDAVIESS	81	36
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 64E29	

LEGEND

-  SEEDING, CLASS 2A
-  SEEDING, CLASS 4
-  TEMPORARY SEEDING
-  EROSION CONTROL BARRIER
-  INLET PIPE PROTECTION
-  TEMPORARY DITCH CHECK
-  CULVERT
-  TURF REINFORCEMENT MAT
-  RIP RAP



ROW

1399+00

1385+00

IL-84

1380+00

MATCHLINE STA. 1379+00



ROW

MATCHLINE STA. 1379+00

IL-84

1375+00

1590+00

US-20/IL-84

1595+00

1585+00

STA. 1375+50
80' PIPE CULVERT, CLASS D,
TYPE 1-24" (TEMPORARY)
U/S ELEV.= 878.30, 110' LT
D/S ELEV.= 877.50, 190' LT

STONE RIP RAP
CLASS A4

ROW

ROW

PE +50



1575+00

1580+00

US-20

MATCHLINE STA. 1582+00

MATCHLINE STA. 582+00

FILE NAME =	USER NAME = IDOTCAD	DESIGNED - SPF	REVISED -
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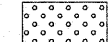
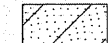
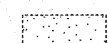





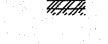
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

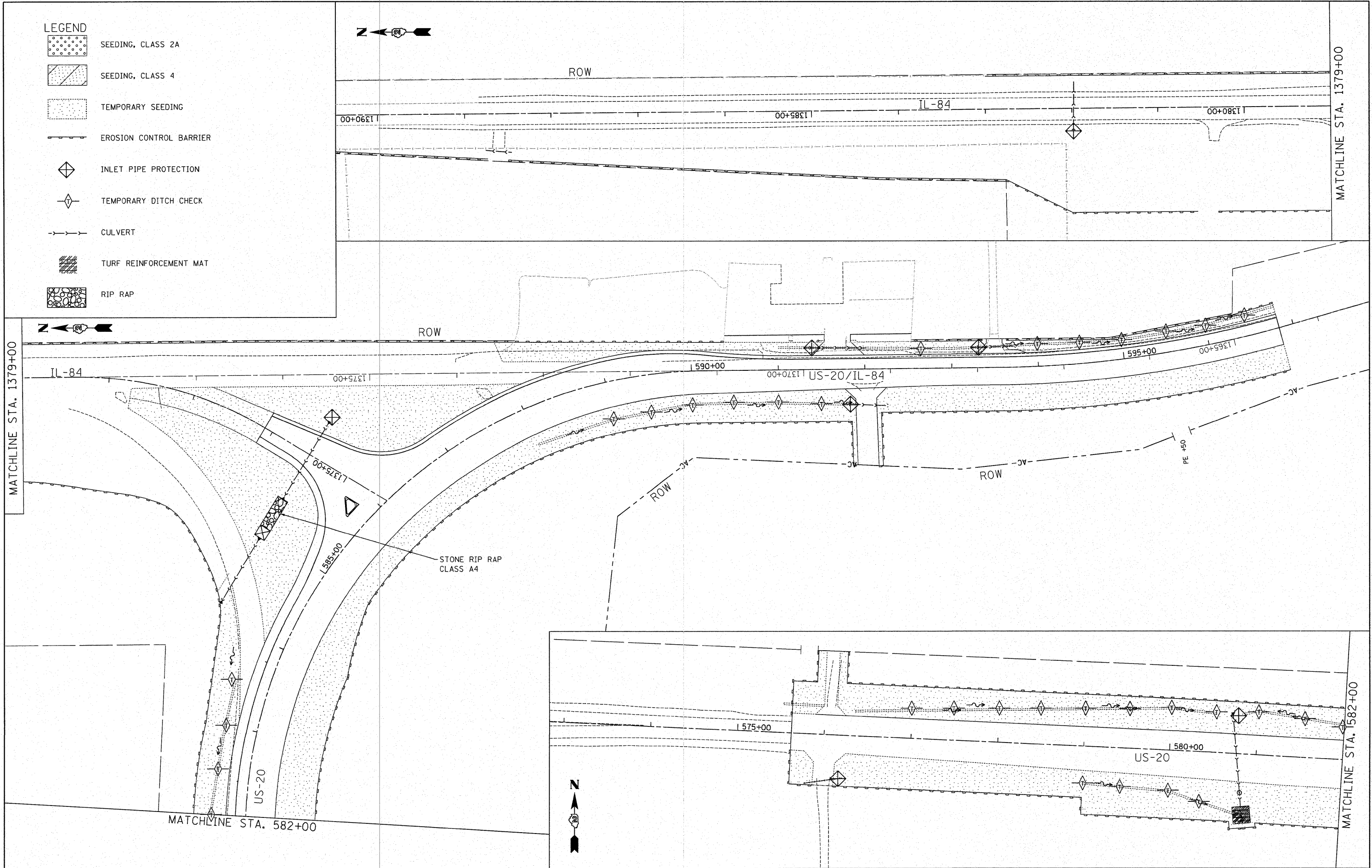
STAGE 1 EROSION CONTROL PLAN

SCALE: 1"=50' SHEET NO. 01 OF 02 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	30-M-2	JoDAVISS	81	37
CONTRACT NO. 64E29				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

LEGEND

-  SEEDING, CLASS 2A
-  SEEDING, CLASS 4
-  TEMPORARY SEEDING
-  EROSION CONTROL BARRIER
-  INLET PIPE PROTECTION
-  TEMPORARY DITCH CHECK
-  CULVERT
-  TURF REINFORCEMENT MAT
-  RIP RAP



FILE NAME =	USER NAME = IDOTCAD	DESIGNED - SPF	REVISED -
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		CHECKED - JMS	REVISED -
		DATE - 01/23/09	REVISED -










**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

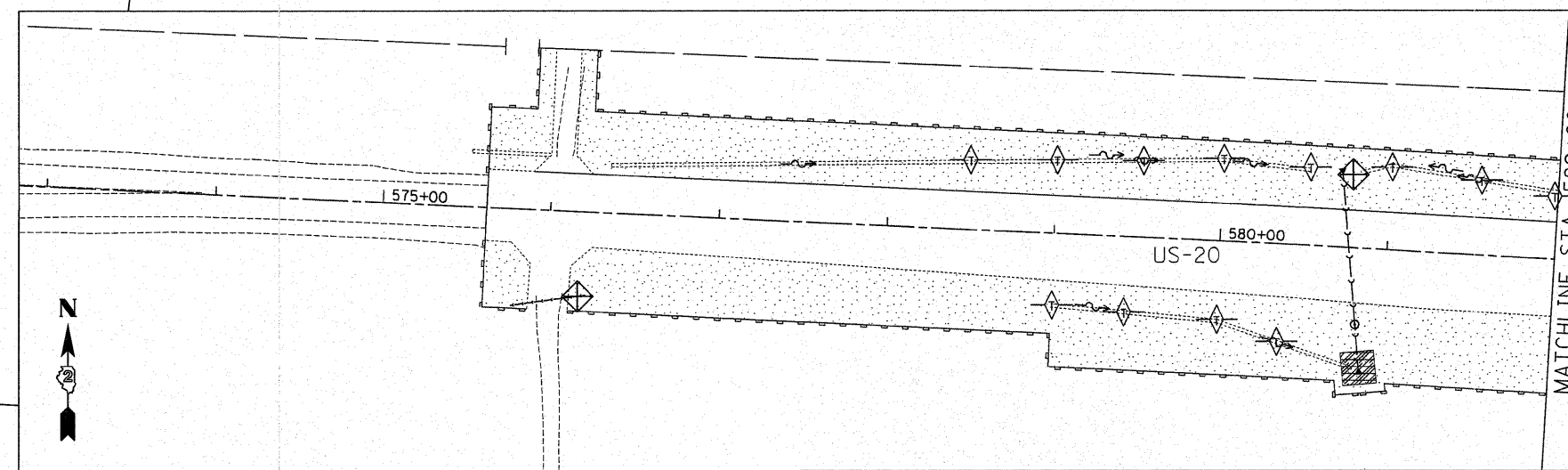
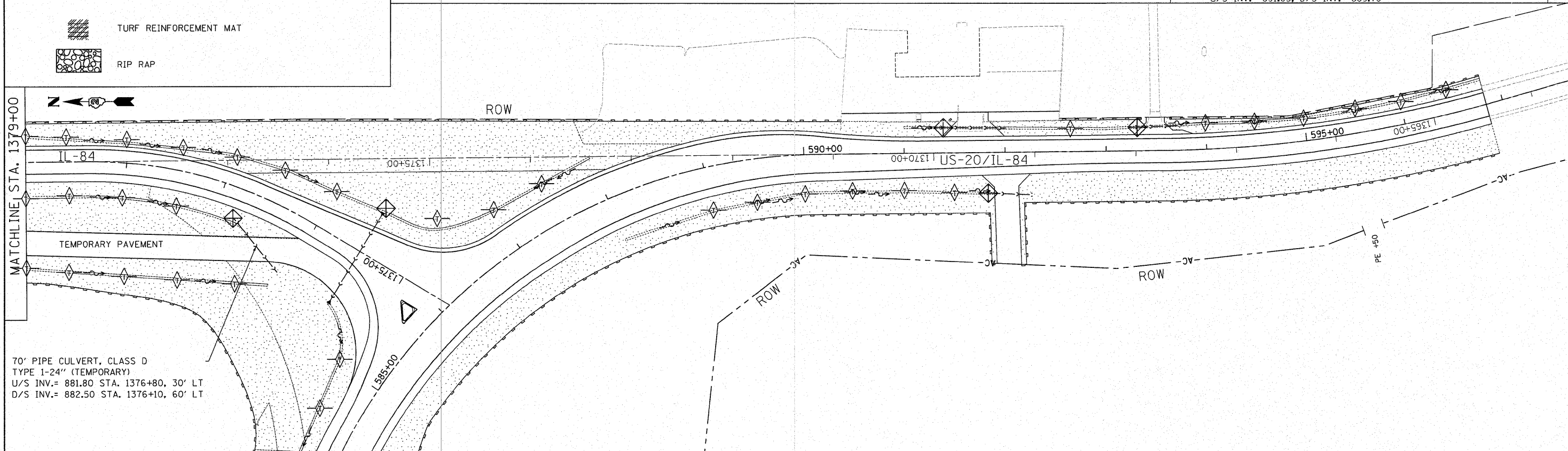
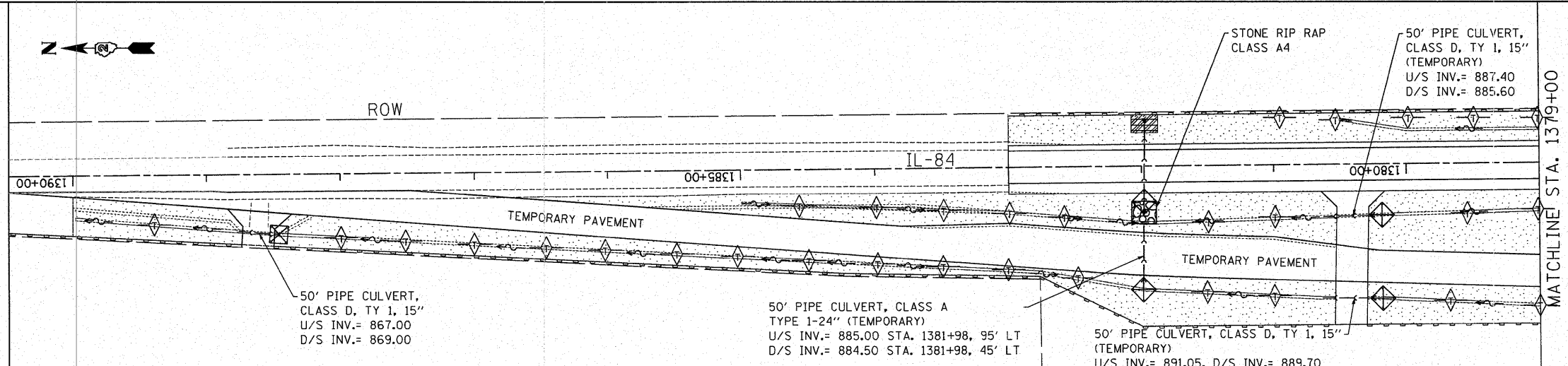
STAGE 2 EROSION CONTROL PLAN

SCALE: 1"=50 SHEET NO. 02 OF 02 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	30-M-2	JoDAVIESS	81	38
CONTRACT NO. 64E29				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

LEGEND

-  SEEDING, CLASS 2A
-  SEEDING, CLASS 4
-  TEMPORARY SEEDING
-  EROSION CONTROL BARRIER
-  INLET PIPE PROTECTION
-  TEMPORARY DITCH CHECK
-  CULVERT
-  TURF REINFORCEMENT MAT
-  RIP RAP



FILE NAME = W:\2298-03 - US 20 IL 84 Intersection\CADD Sheets\0208108-sht-eros.dgn

USER NAME = IDOTCAD
 DESIGNED - SPF
 DRAWN - AJP
 CHECKED - JMS
 DATE - 01/23/09

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







**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

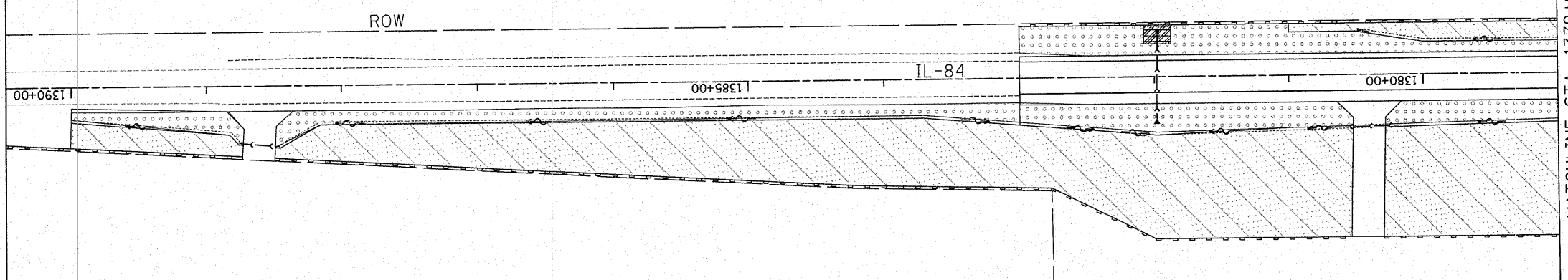
STAGE 3 EROSION CONTROL PLAN

SCALE: 1"=50' SHEET NO. 01 OF 01 SHEETS STA. TO STA.

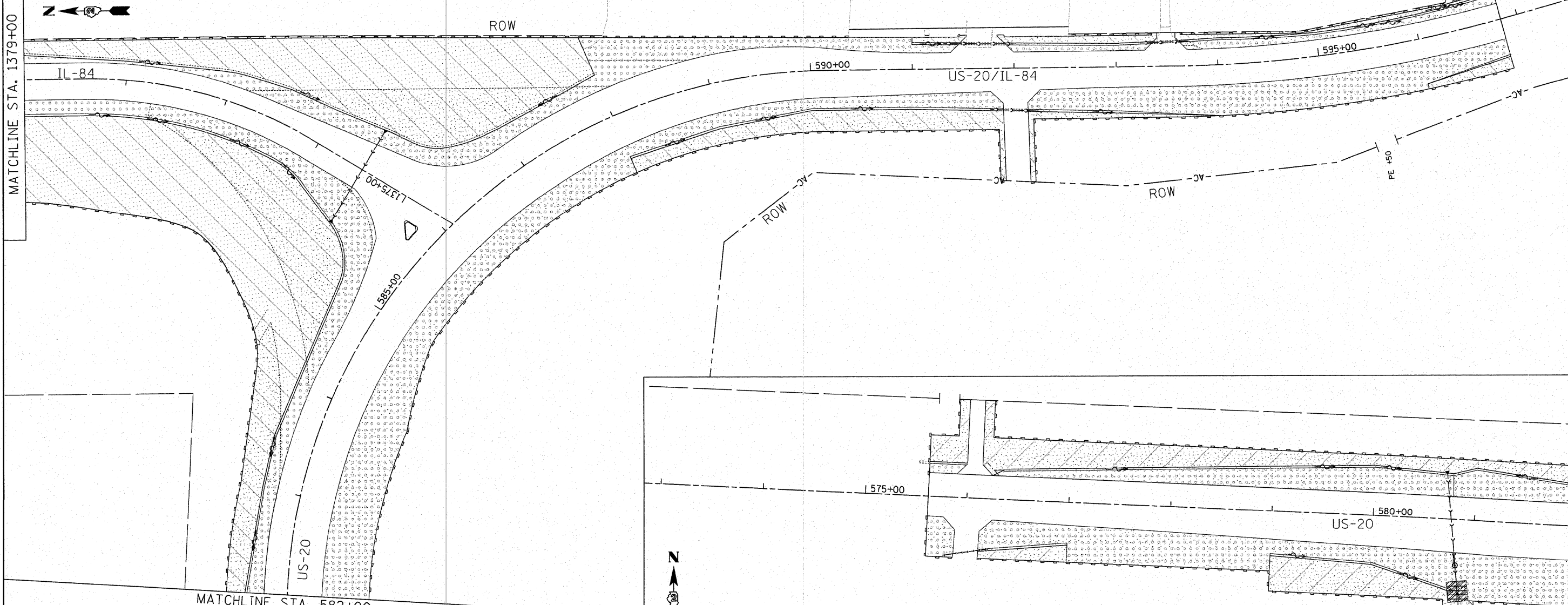
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	30-M-2	JoDAVIESS	81	39
CONTRACT NO. 64E29				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

LEGEND

-  SEEDING, CLASS 2A
-  SEEDING, CLASS 4
-  TEMPORARY SEEDING
-  EROSION CONTROL BARRIER
-  INLET PIPE PROTECTION
-  TEMPORARY DITCH CHECK
-  CULVERT
-  TURF REINFORCEMENT MAT
-  RIP RAP



MATCHLINE STA. 1379+00



MATCHLINE STA. 1379+00

MATCHLINE STA. 582+00

MATCHLINE STA. 582+00



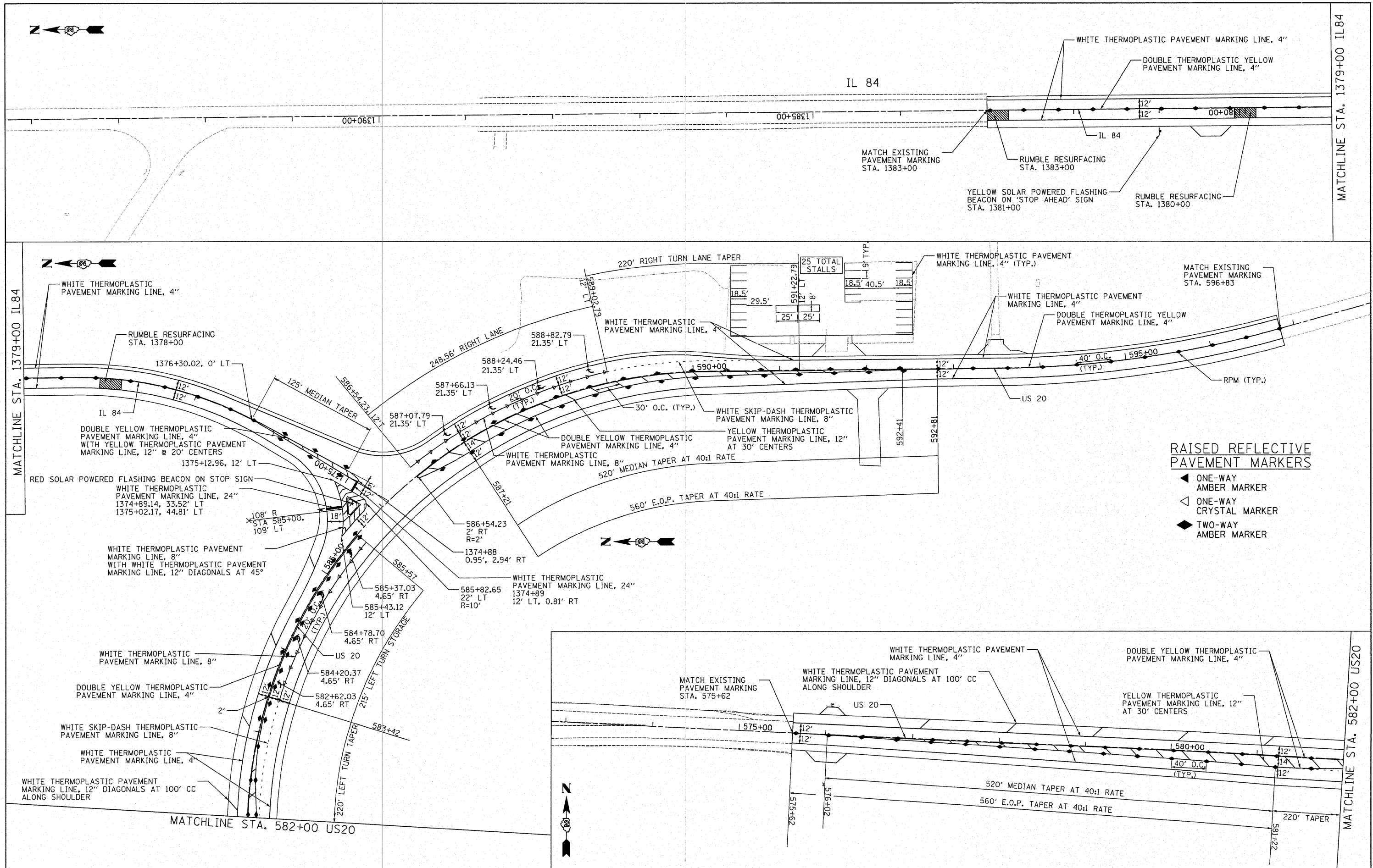
FILE NAME =	USER NAME = IDOTCAD	DESIGNED - SPF	REVISED -
W:\2298-03 - US 20 IL 84 Intersection\CAD Sheets\0208108-sht-eros.dgn		DRAWN - AJP	REVISED -
PLOT SCALE = 50.0000' / IN.		CHECKED - JMS	REVISED -
PLOT DATE = 1/21/2009		DATE - 01/23/09	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

FINAL EROSION CONTROL PLAN

SCALE: 1"=50' SHEET NO. 01 OF 01 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	30-M-2	JO DAVIESS	81	40
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 64E29	



RAISED REFLECTIVE PAVEMENT MARKERS

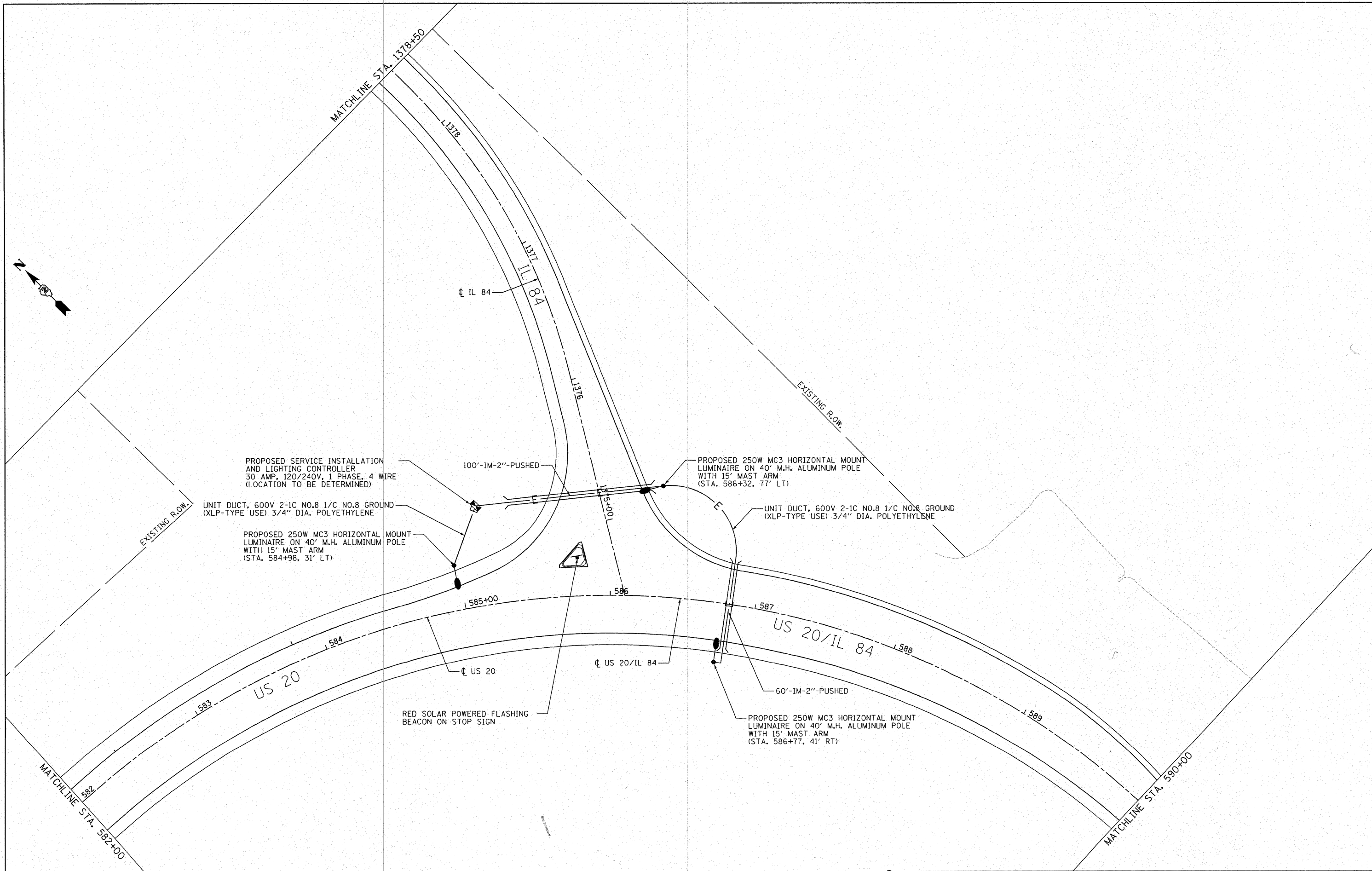
- ◀ ONE-WAY AMBER MARKER
- ◻ ONE-WAY CRYSTAL MARKER
- ◆ TWO-WAY AMBER MARKER

FILE NAME =	USER NAME = IDOTCAD	DESIGNED - SPF	REVISED -
W:\2298-03 - US 20 IL 84 Intersection\CADD Sheets\0208108-sht-pavement markings.dgn		DRAWN - AJP	REVISED -
	PLOT SCALE = 50.0000' / IN.	CHECKED - JMS	REVISED -
	PLOT DATE = 1/22/2009	DATE - 01/23/09	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING PLAN	
SCALE: 1"=50'	SHEET NO. 01 OF 01 SHEETS
STA.	TO STA.

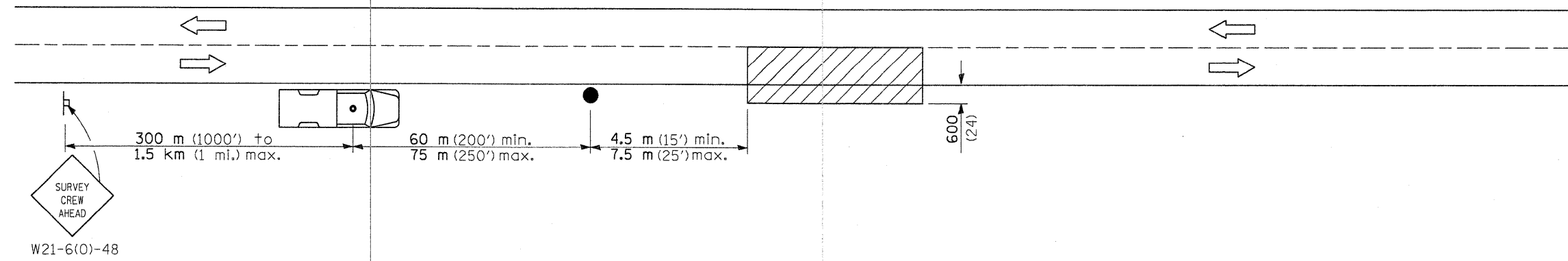
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	30-M-2	JoDAVIESS	81	41
CONTRACT NO. 64E29				
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				



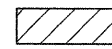
FILE NAME = W:\2298-03 - US 20 IL 84 Intersection\CAD Sheets\0208108-sht-lighting.dgn	USER NAME = IDOTCAD	DESIGNED - SPF	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ID LIGHTING PLAN		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	PLOT SCALE = 30.0000' / IN.	CHECKED - JMS	REVISED -				301	30-M-2	JoDAVIESS	81	42	
PLOT DATE = 1/22/2009	DATE - 01/23/09	REVISED -	REVISED -	SCALE: 1"=30'		SHEET NO. 01 OF 01 SHEETS	STA.	TO STA.	CONTRACT NO. 64E29			
							FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT				


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	30-M-2	Jordaness	81	42A

CONTRACT NO. 64E29




SYMBOLS

 Work area

 Sign on portable or permanent support

 Truck with flashing amber light and dual emergency flashers

 Flagger with traffic control sign

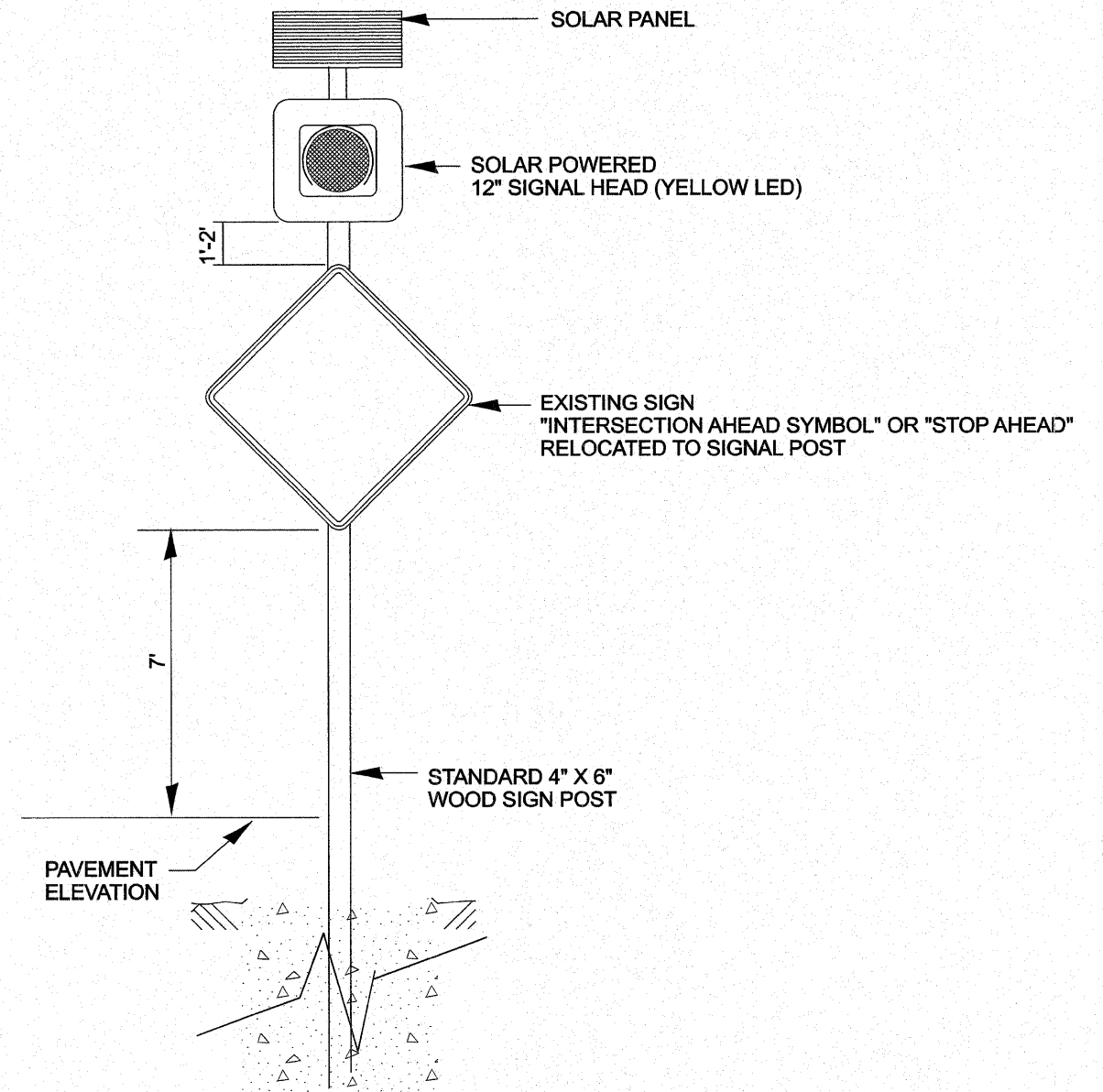
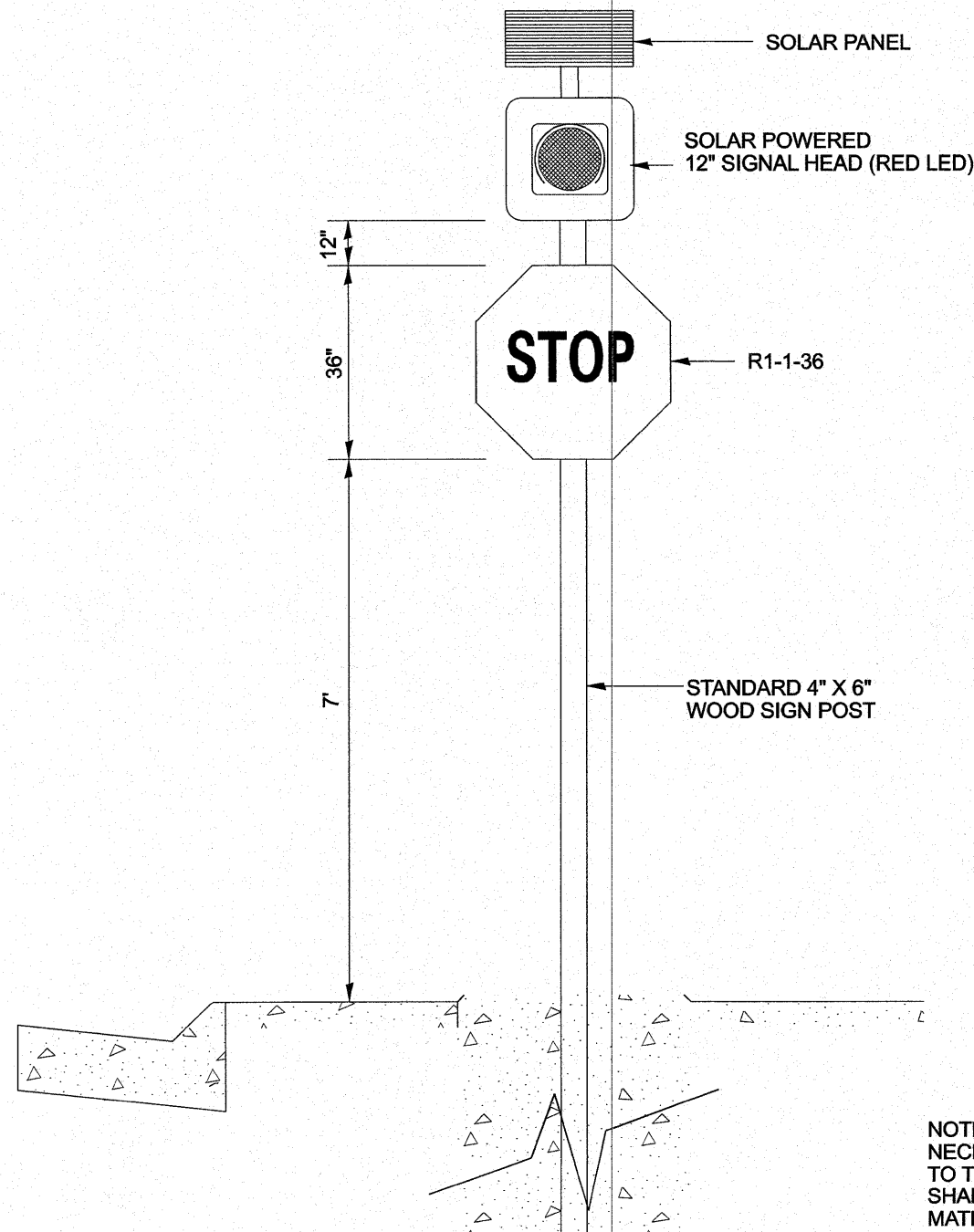
TYPICAL APPLICATIONS
Utility operations

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

DATE	REVISIONS

DETAIL FOR
NIGHTTIME LIGHTING
INSPECTION

SOLAR POWER FLASHER DETAIL

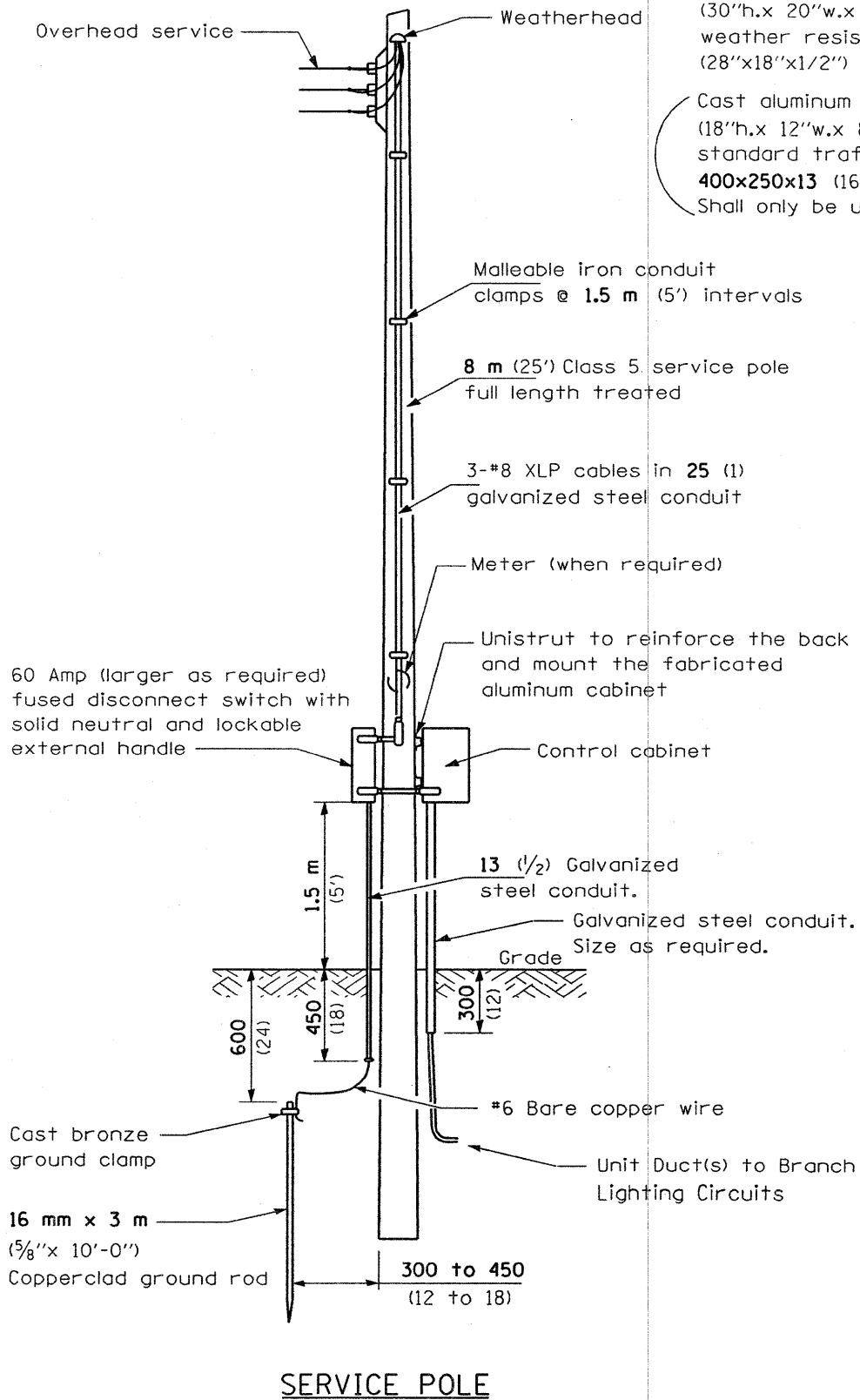


SEE STANDARD 880001

NOTE: THE CONTRACTOR SHALL SUPPLY ALL NECESSARY HARDWARE TO MOUNT THE SIGNS TO THE POST. THIS MOUNTING HARDWARE SHALL BE SIMILAR TO THE SIGN FIX BRAND MATERIAL.

FILE NAME =	USER NAME = IDOTCAD	DESIGNED - SPF	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SOLAR POWERED FLASHING BEACON AND SIGN DETAILS	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
W:\2298-03 - US 20 IL 84 Intersection\CA00 Sheets\0208108-shr-elec-details.dgn	DRAWN - AJP	REVISED -	301			30-M-2	JO DAVIESS	81	43	
PLOT SCALE = 1/8" = 1' IN.	CHECKED - JMS	REVISED -	CONTRACT NO. 64E29							
PLOT DATE = 1/21/2009	DATE - 01/23/09	REVISED -	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT							
SCALE: NONE						SHEET NO. 1 OF 4 SHEETS		STA. TO STA.		

120/240V., 1 PHASE, 3 WIRE SERVICE

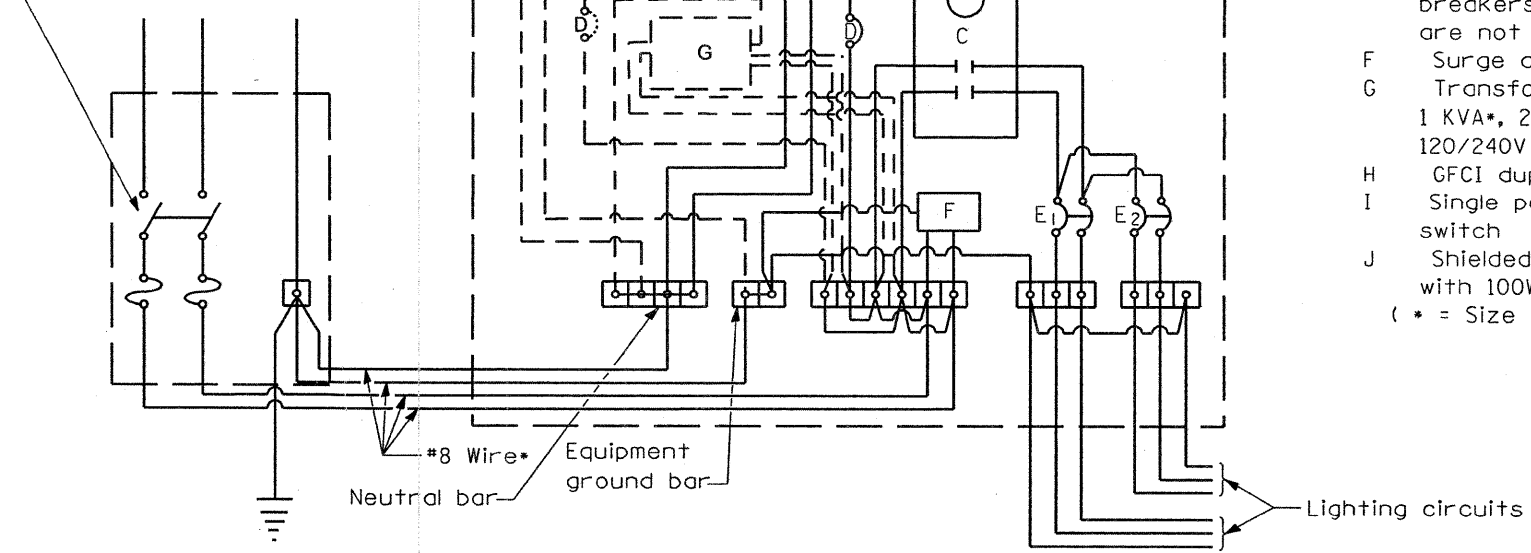


SERVICE POLE

Fabricated aluminum cabinet 760h.x510w.x355d. (30"h.x 20"w.x 14"d.). Aluminum door with weather resistant lock and key and 710x460x13* (28"x18"x1/2") mounting board.

Cast aluminum cabinet 450h.x300w.x200d. (18"h.x 12"w.x 8"d.). Aluminum door with standard traffic signal lock and key and 400x250x13 (16"x10"x1/2") mounting board. Shall only be used when specified.

2 Pole, 3 wire, 60A.* disconnect switch, NEMA 3R, fused 30A.*



GENERAL NOTES

Wiring shall be panel board fashion. All bends shall be right angles. All runs shall be vertical or parallel to panel board. Wires shall be grouped or laced.

All control installation components shall be U.L. listed.

Label equipment ground and neutral.

Locate service pole and control installation adjacent to R.O.W. line with a minimum distance of 9 m (30') from the edge of pavement. Exact location shall be established by the Engineer.

The total distance between the control installation and primary transformer shall not exceed 76 m (250').

For 480 V service, a step down transformer (dashed lines) is required.

Add receptacle, light, and switch in control cabinet, when specified.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	30-M-2	JORDANESS	81	44

CONTRACT NO. 64E29

- A Photocell with integral surge arrester
 - B 3 Position selector switch HAND-OFF-AUTO
 - C 60 amp* electrically held contactor
 - D 15 amp, 1 pole, circuit breaker
 - E 20 amp*, 2 pole, branch circuit breaker. Two spare breakers are required but are not shown
 - F Surge arrester
 - G Transformer (see notes), 1 KVA*, 240/480V primary, 120/240V sec, single phase
 - H GFCI duplex receptacle
 - I Single pole, single throw switch
 - J Shielded security fixture with 100W lamp
- (* = Size larger as needed)

- 240 V. SERVICE
- 480 V. SERVICE

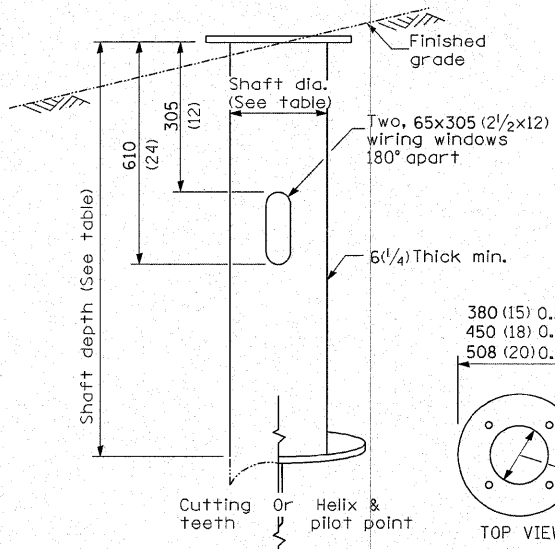
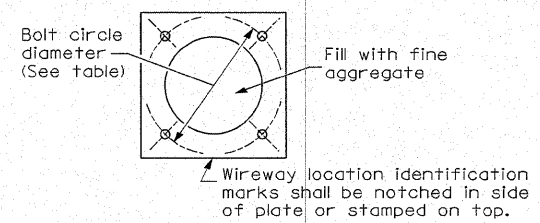
DATE	REVISIONS
	Corrected 1/19/06
1/17/08	Service disconnect
2/3/08	SA wiring, cabinet notes

**CONTROL INSTALLATION
Service Pole Mounted**

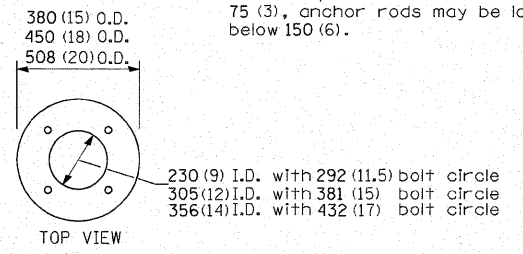
All dimensions are in millimeters (inches) unless otherwise shown.

LIGHT POLE MOUNTING HEIGHT	BOLT CIRCLE DIAMETER	STEEL FOUNDATION			CONCRETE FOUNDATION		
		SHAFT DIAMETER	SHAFT DEPTH	TOP PLATE (min)	SHAFT DIAMETER	SHAFT DEPTH	ANCHOR ROD LENGTH ①
< 9.1 m (30')	292 (11.5)	220 (8 5/8)	1.83 m (6')	300 x 300 x 25 12 x 12 x 1	610 (24)	1.52 m (5'-0")	1.45 m (4'-9")
9.4 m - 10.7 m (31'-35')	292 (11.5)	220 (8 5/8)	1.83 m (6')	300 x 300 x 25 12 x 12 x 1	610 (24)	1.67 m (5'-6")	1.60 m (5'-3")
10.9 m - 12.2 m (36'-40')	381 (15) ③	220 (8 5/8)	1.83 m (6') ②	375 x 375 x 31 15 x 15 x 1 1/4	762 (30)	1.83 m (6'-0")	1.75 m (5'-9")
12.5 m - 13.7 m (41'-45')	381 (15) ③	220 (8 5/8)	1.83 m (6') ②	375 x 375 x 31 15 x 15 x 1 1/4	762 (30)	1.98 m (6'-6")	1.90 m (6'-3")
14.0 m - 15.2 m (46'-50')	381 (15) ③	220 (8 5/8)	2.44 m (8')	375 x 375 x 31 15 x 15 x 1 1/4	762 (30)	2.13m (7'-0")	2.00 m (6'-9")

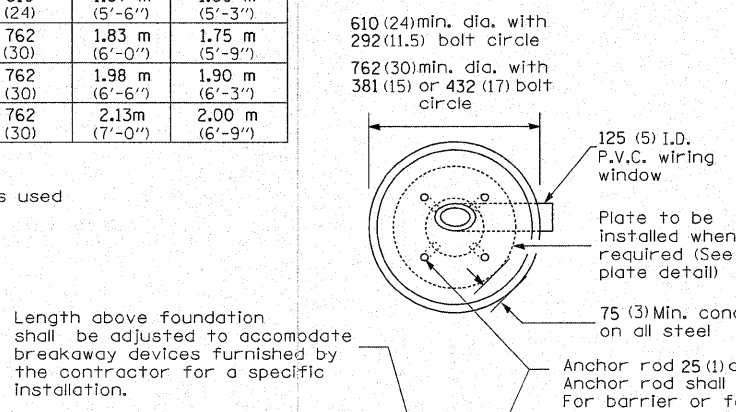
- ① Length does not include 100(4)hook
- ② 220 mm x 2.44 m (8 5/8" x 8'-0") for Twin luminaires
- ③ Bolt circle diam. shall be 430 (17) when a TB3-17 transformer base is used



STEEL FOUNDATION

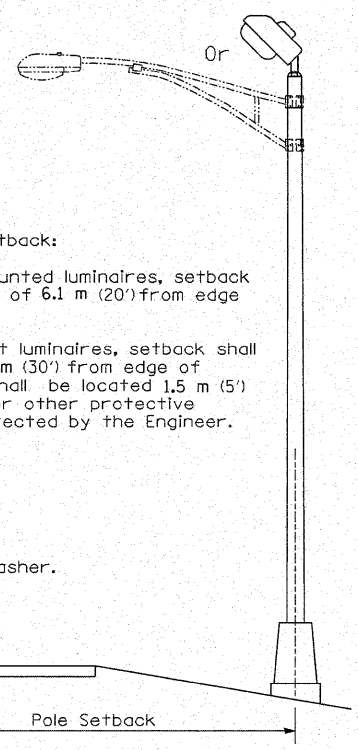


RING PLATE DETAIL
(When rock is encountered and foundation is shallower)



CONCRETE FOUNDATION

Pole Foundation Setback:
For horizontal mounted luminaires, setback shall be a minimum of 6.1 m (20') from edge of pavement.
For vertical mount luminaires, setback shall be a minimum of 9 m (30') from edge of pavement. Poles shall be located 1.5 m (5') behind guardrail or other protective barriers, or as directed by the Engineer.



- Notes:**
- 1) Wireway may be on front, back or side of foundation as required by the trenching. Place door of transformer base on wireway side to minimize the number of unit duct bends.
 - 2) Top of schedule 40 125 (5) I.D. PVC wiring window, shall be flush with the top of foundation for drainage.
 - 3) All foundations are designed to be located on slopes not exceeding 2:1 where soils have an unconfined compressive strength of at least 1.0 TSF. The contractor shall verify the soil strength during drilling for concrete foundations or by monitoring installation resistance on steel foundations and notify the engineer if other conditions are encountered.
 - 4) Anchor rod shall be increased to 31 (1 1/4) diameter for 15.24 (50') mounting height or above.
 - 5) TB3-17 transformer base is not to be used on metal foundation

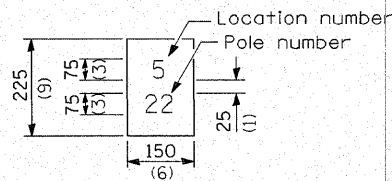
DATE	REVISIONS
10/7/02	Bridge Office depth calc.

LIGHT POLE FOUNDATION

LGT007-836

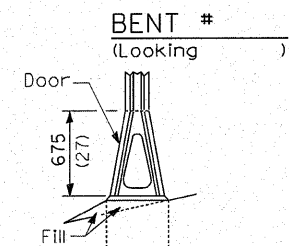
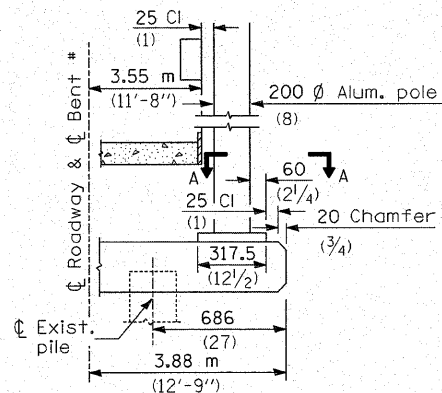
"Install and orient arm bracket over pole tenon and firmly hand tighten the two set screws. Use third hole in arm bracket as a guide to drill a 8.3 (3/4) diameter hole through tenon. Install and tighten self-tapping screw. Tighten set screws an additional (1/4 to 3/8) turn with hex key (not provided). Install locknuts on set screws if threaded projection allows."

Pole shall meet AASHTO Standard Specifications for 128.72 km (80 mph) wind loading and 40.82 kg (90 lb.), .37 m² (4.0 sq. ft.) E.P.A. luminaire.

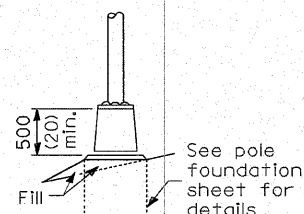


The contractor shall furnish and install a light pole identification of each new light pole, as shown above, incidental to the respective light pole pay item. The numerals shall be 75 (3) series "D", black, screened on silver-white type B pressure sensitive reflective sheeting conforming to the requirements of section T602.01 of the Standard Specifications for Traffic Control Items. The numerals shall conform to the FHWA "Standard Alphabets for Highway Signs".

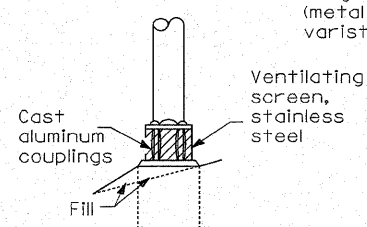
The light pole identification shall be applied to sign base material as specified in section 1085.05 of the Standard Specifications, approximately 180 (7) above the adjacent pavement grade visible to approaching traffic in accordance with Highway Standard 2319.



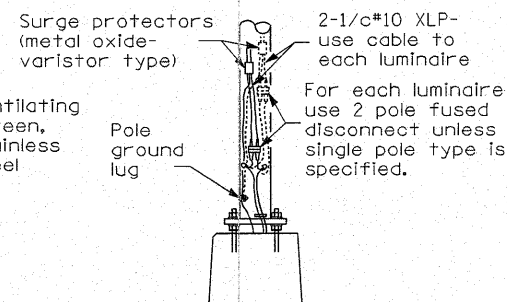
STAINLESS STEEL FLAIR BASE



TRANSFORMER BASE

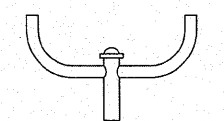


BREAKAWAY COUPLING

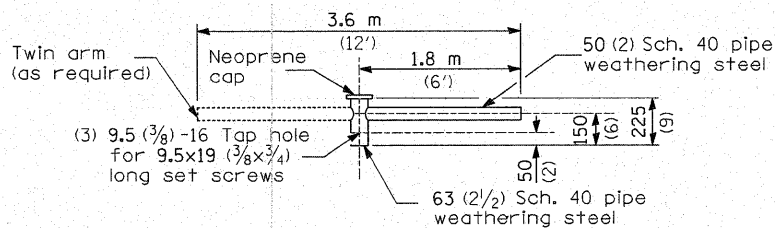


ANCHOR

METAL OR CONCRETE
Details for underground distribution if required

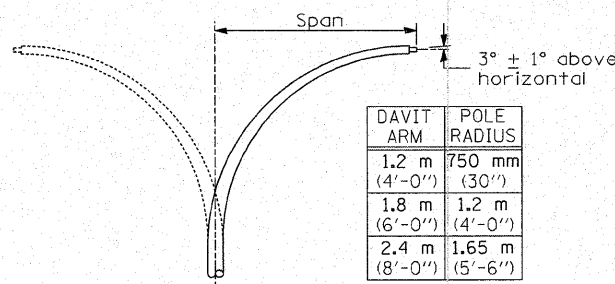


TWIN TENON



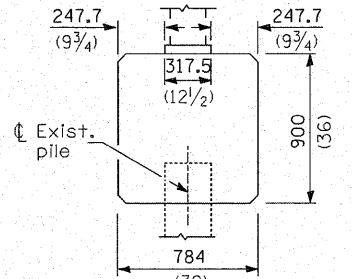
TENON MOUNT BRACKET ARM

NOTE: Single or twin arm assembly shall be tilted 3° above horizontal.

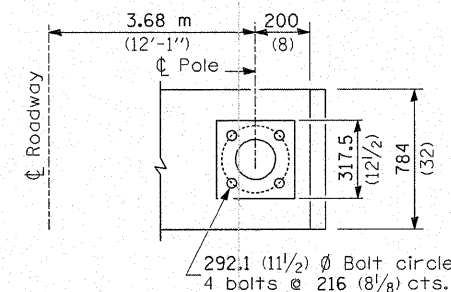


DAVIT ARM (and or)

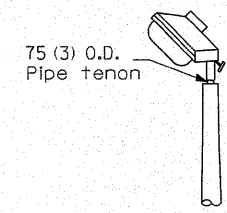
DAVIT ARM-TWIN



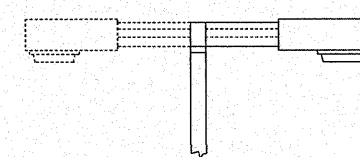
BRIDGE PIER MOUNT



SECTION A-A

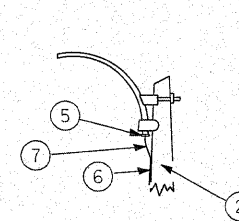


TENON

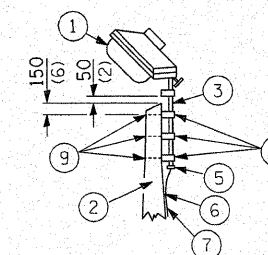


SHORT BRACKET

SHORT BRACKET - TWIN

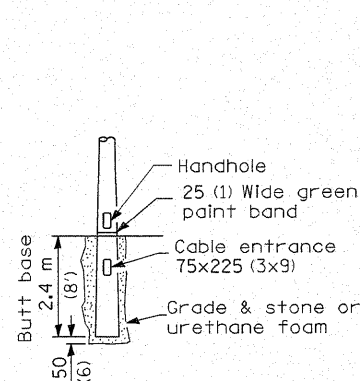


MAST ARM

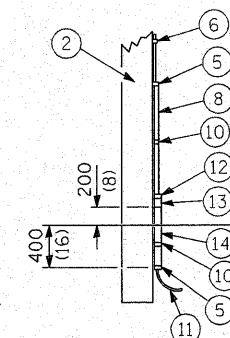


TENON

- ① Luminaire
- ② Wood pole, class 3 or better
- ③ 63 (2 1/2) Galv. steel conduit
- ④ Single offset pole band
- ⑤ Conduit bushing
- ⑥ Cable clamps on 600 (24) centers
- ⑦ 2/c #12 Type use cable
- ⑧ 25 (1) Galv. steel conduit 3.0 m (10') in length
- ⑨ 16 (5/8) Ø hot dipped galvanized bolt with flat washer & locknut (3 req'd)
- ⑩ Conduit clamps on 900 (36) centers
- ⑪ Unit duct
- ⑫ Threaded reducer
- ⑬ "C" Condulet, threaded
- ⑭ 40 (1 1/2) Galv. steel conduit for 1 unit duct or 75 (3) galv. steel conduit for 2 or 3 unit ducts.



BUTT BASE



POLE, WOOD

POLE LENGTH	DEPTH IN GROUND
19.8 m (65')	3.6 m (12')
18.0 m (60')	3.0 m (10')
16.8 m (55')	2.7 m (9')
16.0 m (50')	2.4 m (8')
13.7 m (45')	2.1 m (7')
12.0 m (40')	2.0 m (6.5')
10.7 m (35')	1.8 m (6')
9.0 m (30')	1.7 m (5.5')

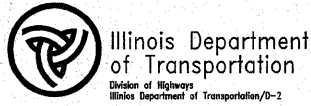
All dimensions are in millimeters (inches) unless otherwise shown.

DATE	REVISIONS

POLE STANDARDS

LGTO08.M32

added short bracket - twin and edited to section 1085.05 10/30/97 hec



Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation/D-2

SOIL BORING LOG

Date 4/15/08

ROUTE FAP 301 DESCRIPTION P92-081-08 Pipe culvert, 0.3 m. S. of N. High Ridge Road LOGGED BY W. Garza

SECTION 30-M-2 LOCATION Rawlins Twp., SEC. 2, TWP. 28N, RNG. 1W

COUNTY JoDaviess DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME-45 Automatic

STRUCT. NO.	D	B	U	M	Surface Water Elev.	D	B	U	M	
Station	E	L	C	O	ft	E	L	C	O	
	P	O	S	I	Stream Bed Elev.	P	O	S	I	
	T	W	S	Qu	Groundwater Elev.:	T	W	S	Qu	
BORING NO.	H	S	Qu	T	First Encounter	H	S	Qu	T	
Station	(ft)	(/6")	(tsf)	(%)	Upon Completion	(ft)	(/6")	(tsf)	(%)	
Offset					After					
Ground Surface Elev.	ft				Hrs.					
92+52					77.5					
92+20										
32.00ft Lt CL										
97.00										
MEDIUM brown SILTY CLAY LOAM			0.8	19.0	VERY STIFF gray/tan CLAY (continued)	76.00		8	3.1	21.0
			P					16	S	
95.00			5		VERY STIFF brown SILTY CLAY LOAM			8		
		2.3	24.0					12	2.5	20.0
93.50		6	B			73.50		18	S	
VERY STIFF dark gray SILTY LOAM			3		HARD tan CLAY			5		
			4	2.1				19	4.5	18.0
91.00			5	B		71.00		23	B	
MEDIUM dark gray SILTY CLAY LOAM			1		VERY STIFF tan/gray SHALE/CLAY			21		
			2	0.8				33	2.9	14.0
88.50			3	B	End of Boring	88.50		74	S	
STIFF gray SILTY CLAY LOAM			3							
			4	1.4						
86.00			5	B						
SOFT gray SILTY LOAM			1							
			2	0.4						
83.50			5	B						
HARD tan CLAY LOAM			3							
			6	6.0						
81.00			9	B						
HARD gray/tan CLAY LOAM			6							
			8	4.1						
78.50			12	B						
VERY STIFF gray/tan CLAY			7							

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
BBS, from 137 (Rev. 8-99)



Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation/D-2

SOIL BORING LOG

Date 4/17/08

ROUTE FAP 301 DESCRIPTION P92-081-08 Pipe culvert, 0.3 m. S. of N. High Ridge Road LOGGED BY W. Garza

SECTION 30-M-2 LOCATION Rawlins Twp., SEC. 2, TWP. 28N, RNG. 1W

COUNTY JoDaviess DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME-45 Automatic

STRUCT. NO.	D	B	U	M	Surface Water Elev.	D	B	U	M	
Station	E	L	C	O	ft	E	L	C	O	
	P	O	S	I	Stream Bed Elev.	P	O	S	I	
	T	W	S	Qu	Groundwater Elev.:	T	W	S	Qu	
BORING NO.	H	S	Qu	T	First Encounter	H	S	Qu	T	
Station	(ft)	(/6")	(tsf)	(%)	Upon Completion	(ft)	(/6")	(tsf)	(%)	
Offset					After					
Ground Surface Elev.	ft				Hrs.					
92+52					92.90					
92+96					92.80					
50.00ft Rt CL					87.0					
96.50					92.5					
SOFT brown SILTY CLAY LOAM			0.3		VERY STIFF tan CLAY (continued)	75.50		12	3.5	
			P					16	S	
94.50			1		MEDIUM light brown SILTY CLAY LOAM			8		
		1.0						13	4.1	
93.00		4	B			73.00		15	S	
SOFT gray SILTY CLAY LOAM			1		HARD tan CLAY/SHALE			14		
			2	0.4				17	6.0	
90.50			3	B	End of Boring	70.50		21	S	
SOFT tan SILTY LOAM			2							
			3	0.4						
88.00			3	B						
MEDIUM gray SILTY LOAM			2							
			2	0.5						
85.50			4	B						
HARD tan/gray CLAY LOAM			3							
			7	4.5						
83.00			9	B						
HARD tan/gray CLAY			9							
			14	8.0						
80.50			18	B						
HARD tan CLAY			9							
			12	4.7						
78.00			18	B						
VERY STIFF tan CLAY			7							

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
BBS, from 137 (Rev. 8-99)

FILE NAME =	USER NAME = IDOTCAD	DESIGNED - SPF	REVISED -
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PLOT SCALE = 20.0000' / IN.		CHECKED - JMS	REVISED -
PLOT DATE = 1/21/2009		DATE - 01/23/09	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BORING LOGS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	30-M-2	JoDAVISS	81	47
CONTRACT NO. 64E29				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

STORM WATER POLLUTION PREVENTION PLAN EROSION CONTROL PLAN

THE FOLLOWING PLAN WAS ESTABLISHED AND INCLUDED IN THESE PLANS TO DIRECT THE CONTRACTOR IN THE PLACEMENT OF TEMPORARY EROSION CONTROL SYSTEMS AND TO PROVIDE A STORM WATER POLLUTION PREVENTION PLAN FOR COMPLIANCE UNDER NPDES.

THE PURPOSE OF THIS PLAN IS TO MINIMIZE SILTATION WITHIN THE CONSTRUCTION ZONE AND TO ELIMINATE SEDIMENTS FROM ENTERING AND LEAVING THE CONSTRUCTION ZONE BY UTILIZING PROPER TEMPORARY EROSION CONTROL SYSTEMS AND PROVIDING GROUND COVER WITHIN A REASONABLE AMOUNT OF TIME.

CERTAIN ITEMS, AS SHOWN IN THIS PLAN AND REFERENCED BY THE LEGEND, SHALL BE PLACED BY THE CONTRACTOR AT THE BEGINNING OF CONSTRUCTION. OTHER ITEMS SHALL BE PLACED BY THE CONTRACTOR AS DIRECTED BY THE ENGINEER ON A CASE BY CASE SITUATION RESULTING FROM THE CONTRACTOR'S SEQUENCE OF ACTIVITIES, TIME OF YEAR, AND EXPECTED WEATHER CONDITIONS.

THE CONTRACTOR SHALL PLACE PERMANENT EROSION CONTROL SYSTEMS AND SEEDING WITHIN A REASONABLE AMOUNT OF TIME; THEREFORE, REDUCING THE AMOUNT OF AREA BEING OPEN TO THE POSSIBILITY OF EROSION AND REDUCING THE AMOUNT OF TEMPORARY SEEDING. THE RESIDENT ENGINEER WILL DETERMINE IF TEMPORARY EROSION CONTROL SYSTEMS SHOWN IN THE PLAN CAN BE DELETED, THE SIZE OF THE PROPOSED DITCH CHECKS, THE PROPER METHOD OF INSTALLATION, AND IF ANY ADDITIONAL TEMPORARY EROSION CONTROL SYSTEMS SHALL BE ADDED WHICH ARE NOT INCLUDED IN THE PLANS. THE CONTRACTOR SHALL PERFORM ALL WORK AS DIRECTED BY THE ENGINEER AND AS SHOWN IN STANDARD 280001 OF THE PLANS.

SITE DESCRIPTION

DESCRIPTION OF CONSTRUCTION ACTIVITY:

THIS PROJECT CONSISTS OF GEOMETRIC IMPROVEMENTS TO THE INTERSECTION OF US-20/IL-84 NEAR GALENA. RECONSTRUCTION OF IL-84 NORTH OF US-20. RESURFACING AND SUPERELEVATION CORRECTION OF US-20.

DESCRIPTION OF INTENDED SEQUENCE OF ACTIVITIES:

THE SEQUENCE OF EVENTS ARE AS FOLLOW: CLEARING, EMBANKMENT, EXCAVATION, GRADING AND PAVING. THIS PROJECT WILL BE CONSTRUCTED IN SEGMENTS AS SHOWN IN THE "STAGING PLANS".

TOTAL CONSTRUCTION SITE (CONSTRUCTION LIMIT TO CONSTRUCTION LIMIT) 8.2 ACRES

PROPOSED R.O.W (TOTAL PARCEL AREA) 0 ACRES

DISTURBED BY EXCAVATION (E.O.P TO CONSTRUCTION LIMIT) 4.8 ACRES

SUPPORTING REPORTS AND PLANS

THE FOLLOWING ASSISTED IN DEVELOPING THE EROSION CONTROL PLAN AS REFERENCED DOCUMENTS:

SOIL PROFILE SHEETS, SOILS REPORTS, BORING LOGS
USGS DRAINAGE MAPS, PROJECT PLAN DOCUMENTS

DRAINAGE TRIBUTARIES RECEIVING WATER FROM CONSTRUCTION SITE

MISSISSIPPI RIVER

EROSION CONTROLS AND SEDIMENT CONTROL PROCEDURES

STABILIZATION PRACTICES AT THE BEGINNING OF CONSTRUCTION:

PERIMETER EROSION CONTROL SHALL BE PLACED PRIOR TO BEGINNING EARTHWORK.

STABILIZATION PRACTICES DURING CONSTRUCTION:

AS EARTH EXCAVATION AND EMBANKMENT ARE BEING COMPLETED THE CONTRACTOR SHALL PLACE DITCH CHECKS, INLET AND PIPE PROTECTION, EROSION CONTROL BLANKET, AND SEEDING AS STAGES OF THE PROJECT ARE COMPLETED. PERIMETER EROSION BARRIER WILL BE INSTALLED AT ADDITIONAL LOCATIONS AS THE PROJECT PROGRESSES. SEEDING SHALL BE COMPLETED AS SPECIFIED IN THE EROSION CONTROL/SEEDING MOBILIZATION AND TEMPORARY SEEDING SPECIAL PROVISION.

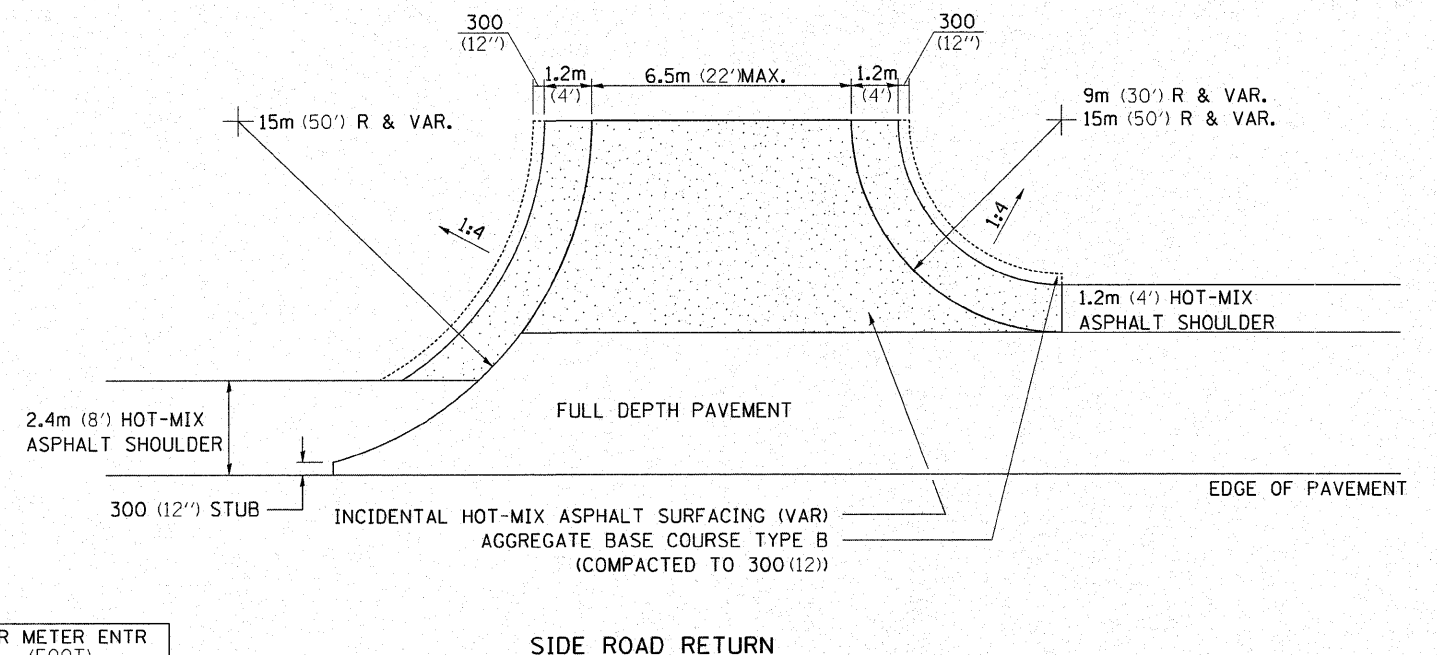
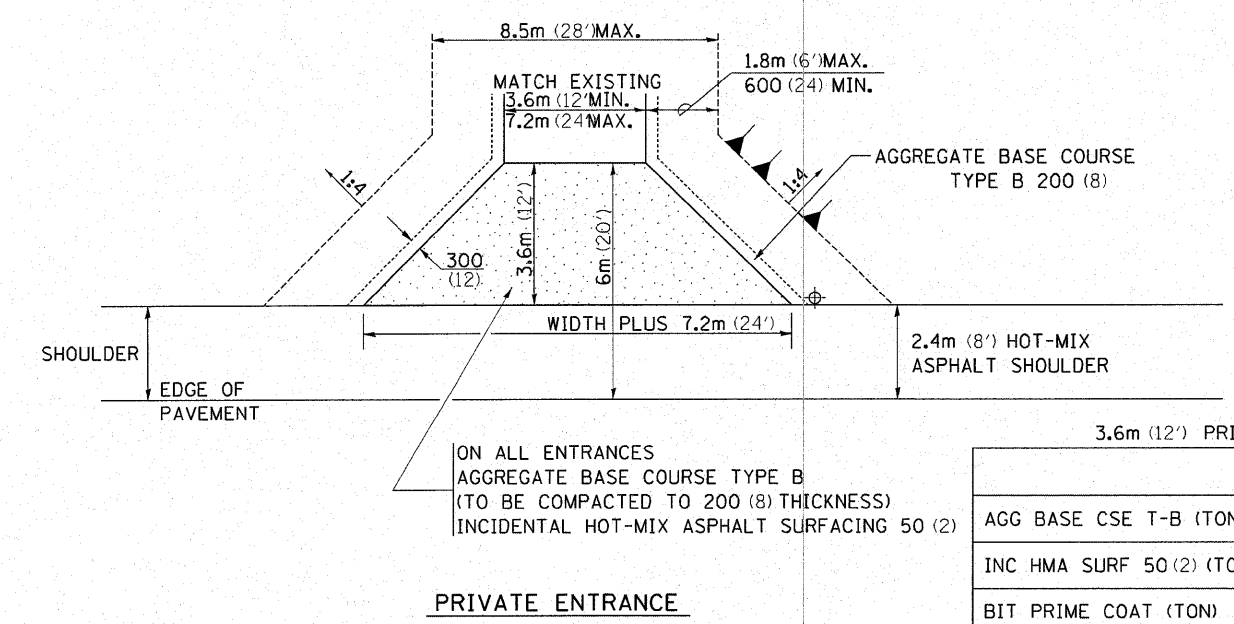
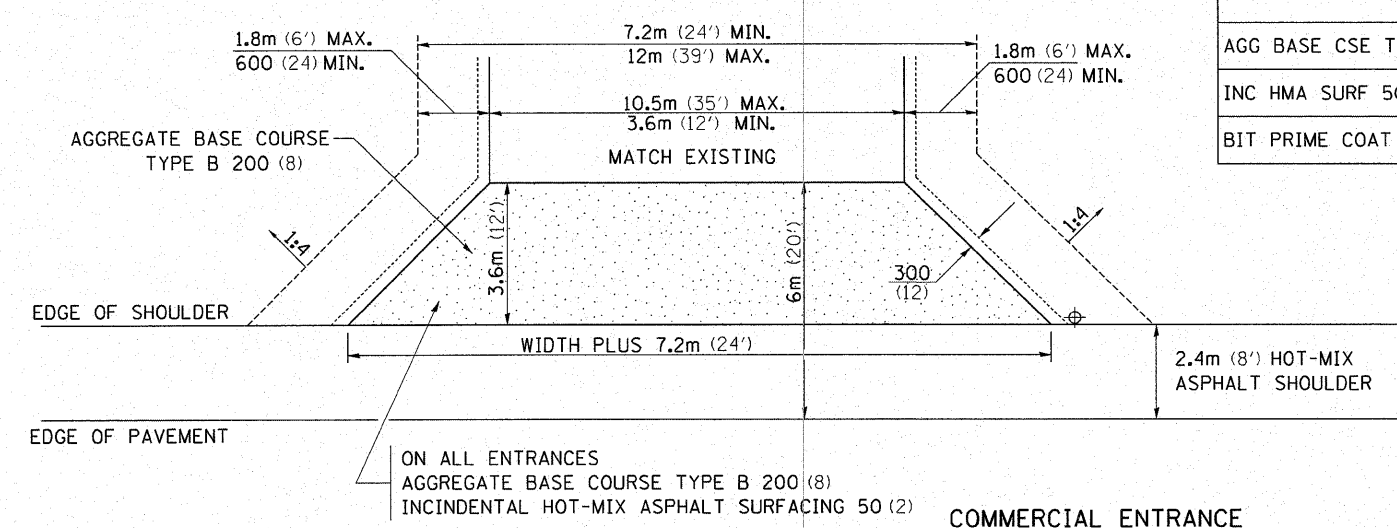
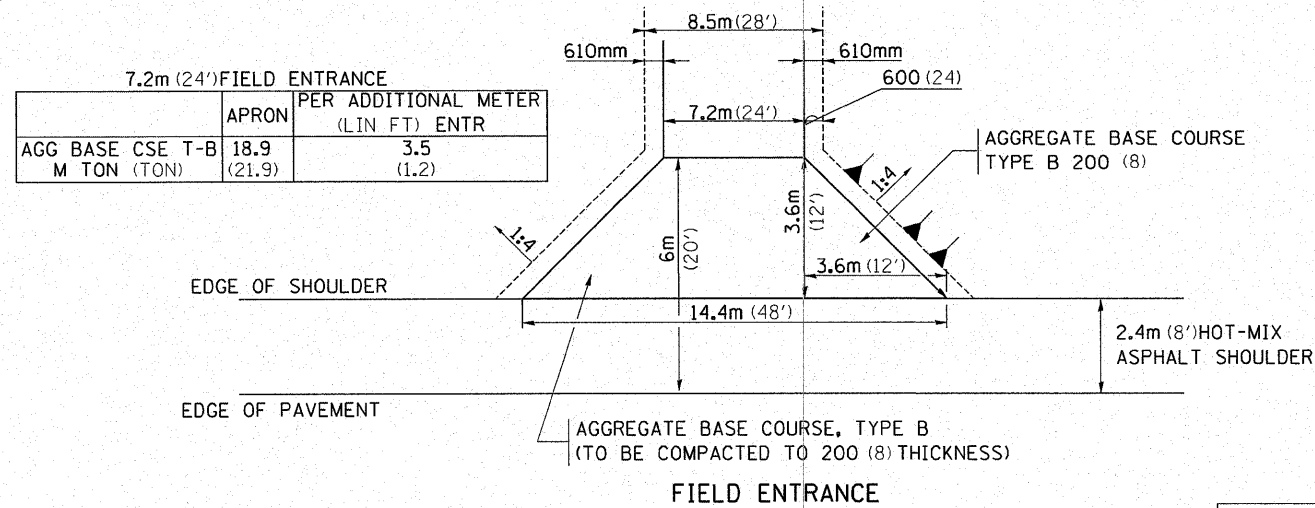
MAINTENANCE AFTER FINAL GRADING

TEMPORARY EROSION CONTROL SYSTEMS SHALL BE LEFT IN PLACE WITH PROPER MAINTENANCE UNTIL PERMANENT EROSION CONTROL IS IN PLACE AND WORKING PROPERLY AND ALL PROPOSED TURF AREAS SEEDED AND ESTABLISHED WITH THE PROPER STAND. ONCE PERMANENT EROSION CONTROL SYSTEMS AS PROPOSED IN THE PLANS ARE FUNCTIONAL AND ESTABLISHED, TEMPORARY ITEMS SHALL BE REMOVED, CLEANED UP AND DISTURBED TURF RESEEDDED.

STORM WATER POLLUTION PREVENTION PLAN 2.1

FILE NAME =	USER NAME = IDOTCAD	DESIGNED - SPF	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETAILS	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
W:\2298-03 - US 20 IL 84 Intersection\CAD	00 Sheets\0208108-shr-details.dgn	DRAWN - AJP	REVISED -			301	30-M-2	JoDAVIESS	81	48	
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	PLOT DATE = 1/21/2009	DATE - 01/23/09	REVISED -			SCALE: NONE SHEET NO. 1 OF 10 SHEETS STA. TO STA. FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					

ENTRANCE AND SIDEROADS WITH 2.4m (8') HOT-MIX ASPHALT SHOULDERS

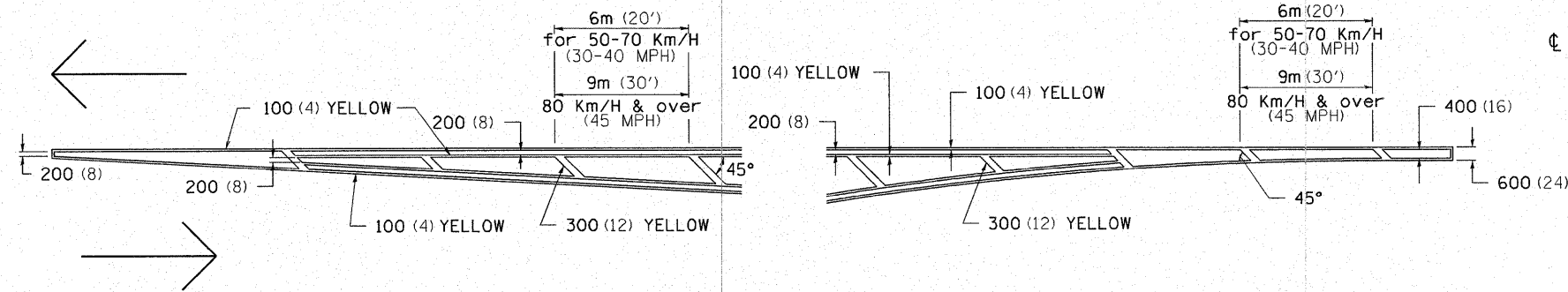


- NOTE**
- ① ALL PE & CE ARE TO BE INCIDENTAL HOT-MIX ASPHALT SURFACED TO RIGHT OF WAY LINE. AREA BEHIND RIGHT OF WAY SHALL MATCH EXISTING SURFACE.
 - ② FE ARE TO BE AGGREGATE TO RIGHT OF WAY OR TOUCH DOWN, WHICH EVER IS GREATEST.
 - ③ QUANTITIES ARE CALCULATED WITH 2.4m HOT-MIX ASPHALT SHOULDER IN PLACE. AGGREGATE QUANTITIES SHOWN ARE FOR NEW CONSTRUCTION.
 - ④ EXCAVATION REQUIRED FOR PLACEMENT OF AGGREGATE BASE COURSE SHALL BE CONSIDERED INCLUDED TO THE AGGREGATE BASE COURSE.
 - ⑤ ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE NOTED.

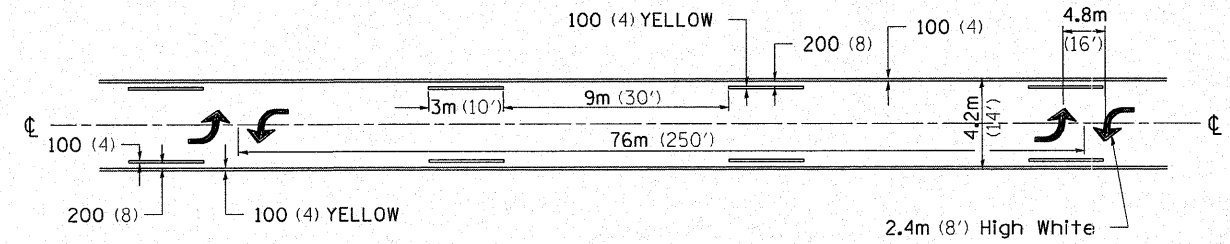
ENTRANCE AND SIDEROADS WITH 2.4m (8') HOT-MIX ASPHALT SHOULDERS 22.1

TYPICAL PAVEMENT MARKINGS

TYPICAL PAVEMENT MARKING FOR FLUSH MEDIAN AT LEFT TURN LANE

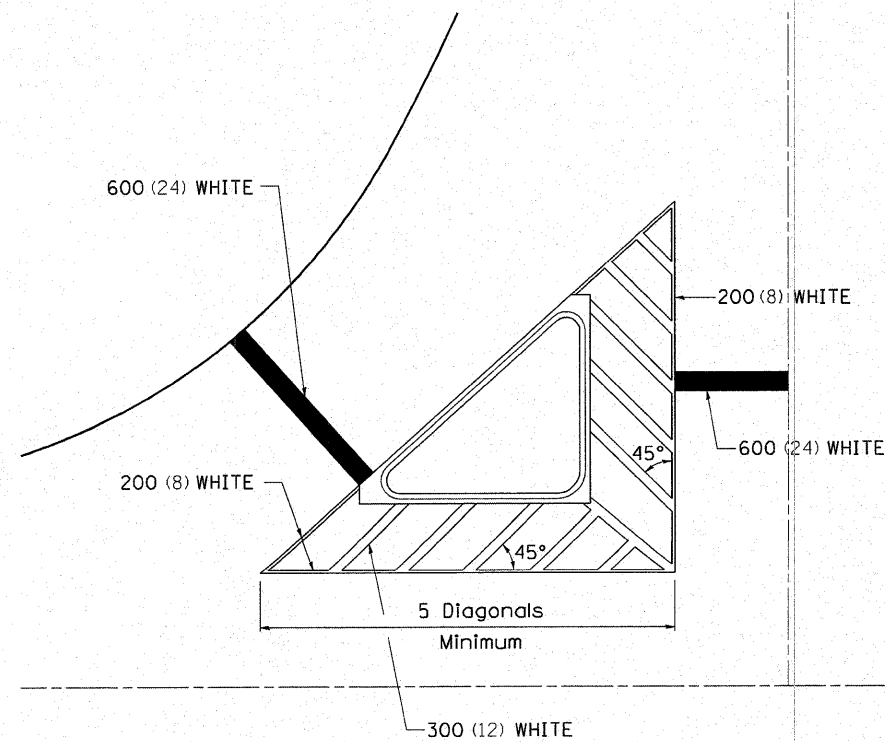


MEDIAN PAVEMENT MARKING

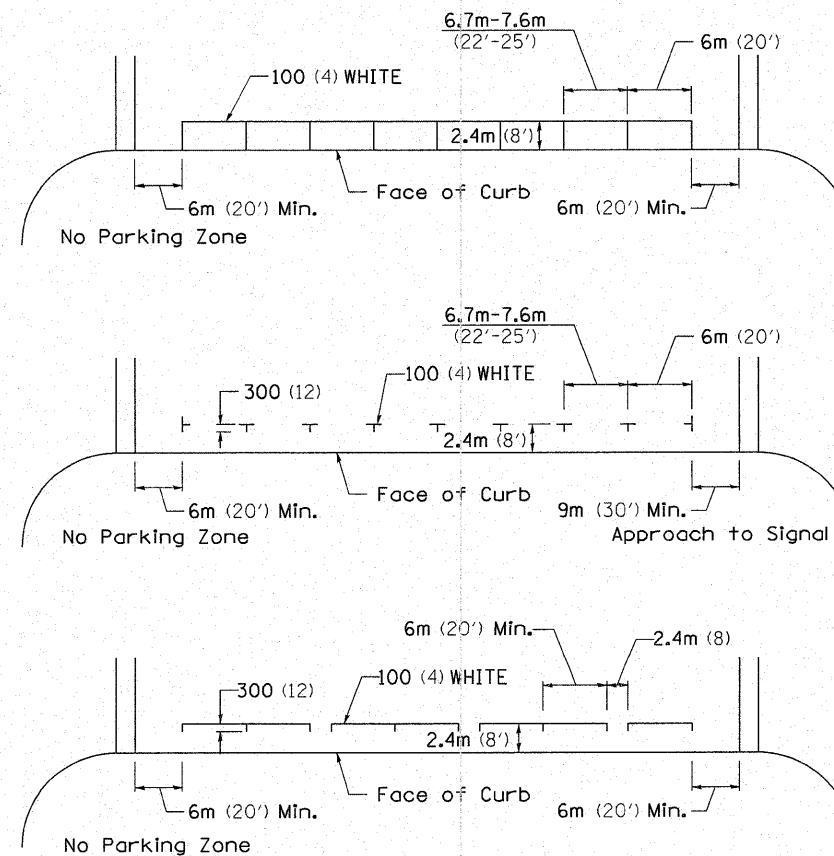


•• ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE NOTED.

TYPICAL ISLAND OFFSET SHOULDER WIDTH

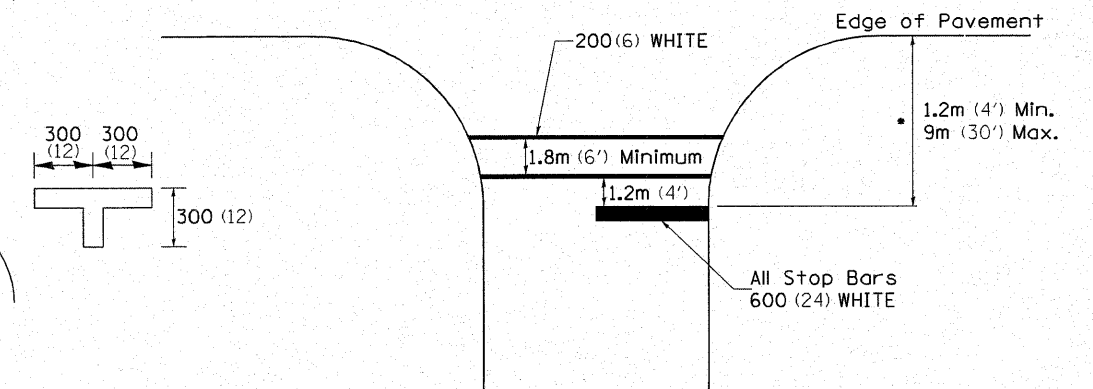


TYPICAL PARKING SPACING



STANDARD CROSSWALK MARKING

See Schedules for Locations

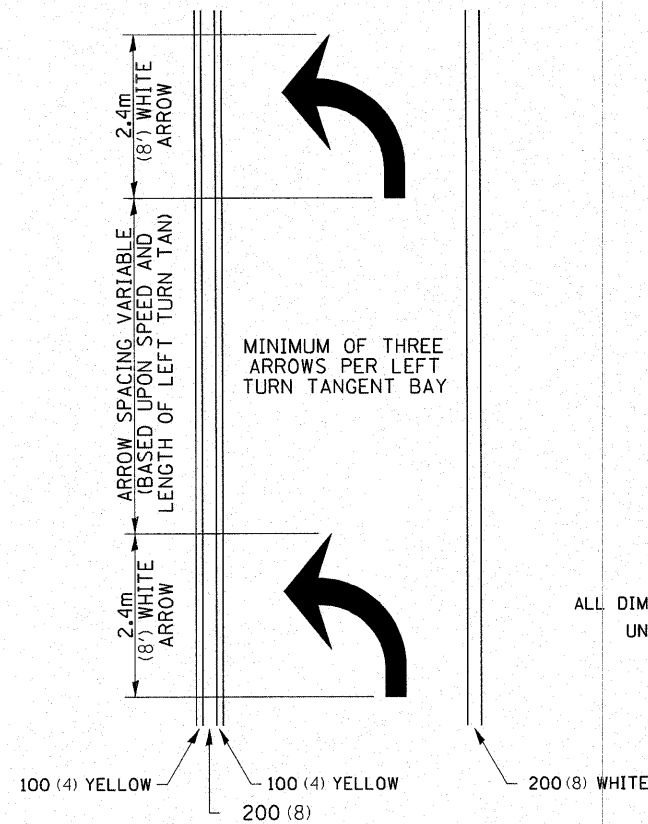


• Distance to the nearest edge of the intersecting roadway in the absence of a marked crosswalk.

FILE NAME = W:\2298-03 - US 20 IL 84 Intersection\0300 Sheets\0208108-sht-details.dgn	USER NAME = IDOTCAD	DESIGNED - SPF	REvised - 10-21-08	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	REGION 2 / DISTRICT 2 STANDARD		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
PLOT SCALE = 1:0000 "/> <td>CHECKED - JMS</td> <td>REvised -</td> <td>REvised -</td> <td>SCALE: NONE</td> <td>SHEET NO. 03 OF 10 SHEETS</td> <td>STA. TO STA.</td> <td>301</td> <td>30-M-2</td> <td>JO DAVIESS</td> <td>81</td> <td>50</td>	CHECKED - JMS	REvised -	REvised -		SCALE: NONE	SHEET NO. 03 OF 10 SHEETS	STA. TO STA.	301	30-M-2	JO DAVIESS	81	50
PLOT DATE = 1/21/2009	DATE - 01/23/09	REvised -	REvised -								CONTRACT NO. 64E29	
							FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT			

TYPICAL PAVEMENT MARKINGS

ARROW LAYOUT

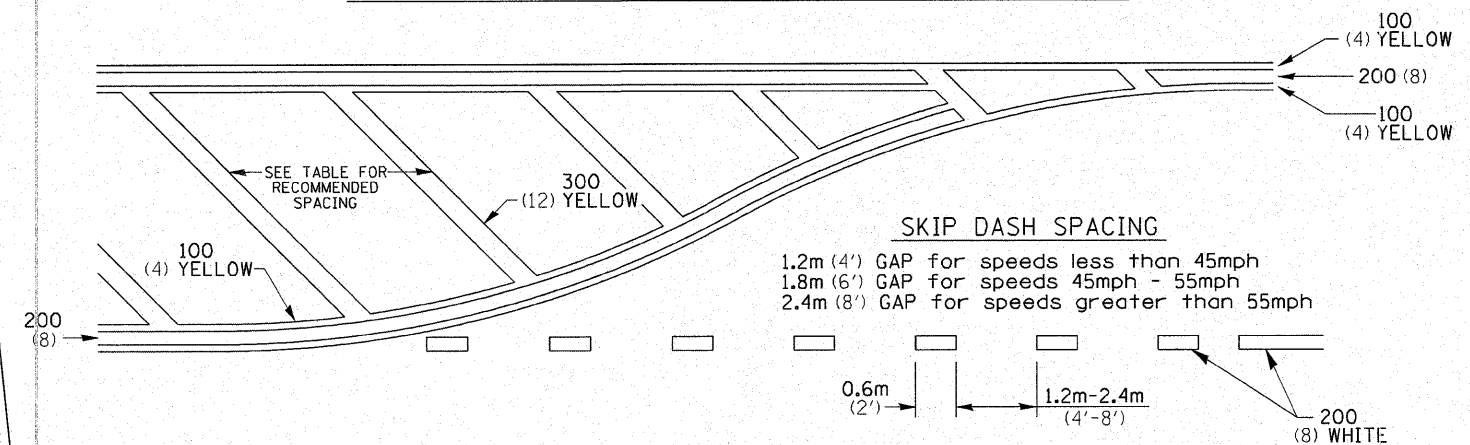


- ◀ ONE-WAY AMBER MARKER
- △ ONE-WAY CRYSTAL MARKER
- ◆ TWO-WAY AMBER MARKER

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

12.2m
6 at (40') O.C.
APPROACH SIDE ONLY

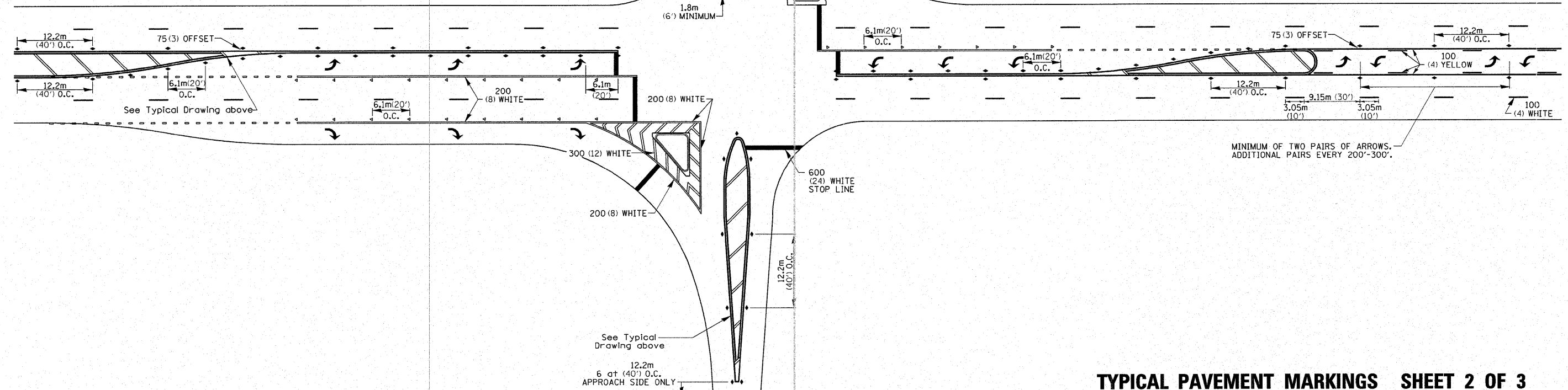
TYPICAL PAVEMENT MARKING FOR FLUSH MEDIAN



RECOMMENDED SPACING BETWEEN DIAGONALS (IN FEET)

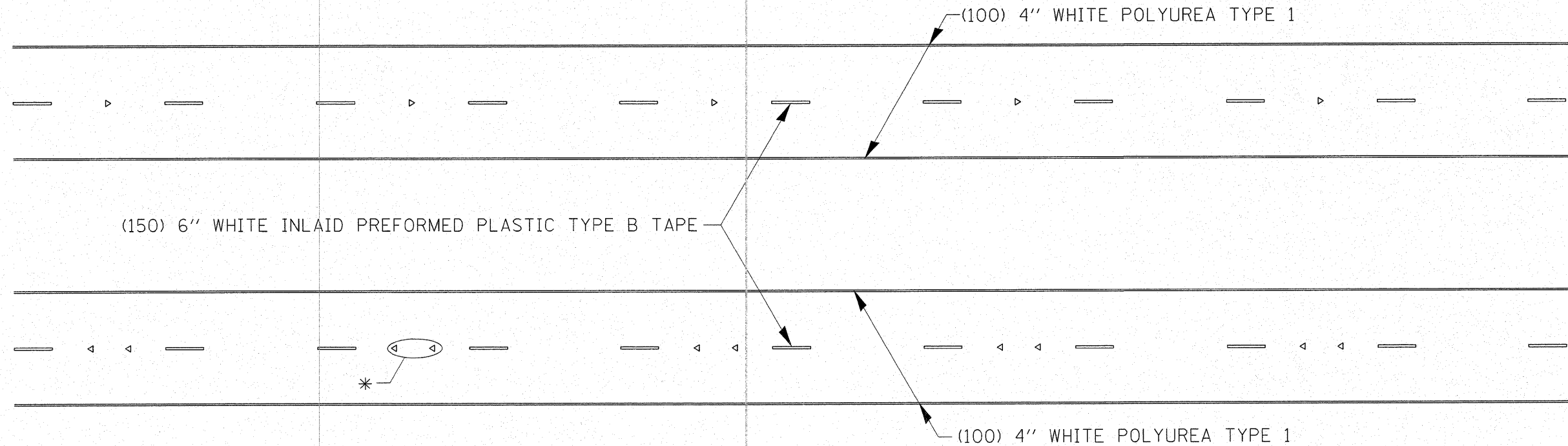
Speed Limit Range	Continuous Median Area	Intersection Channelization	Objects (Islands)
less than 50Km/H (30MPH)	15.3m (50')	4.53m (15')	3.05m (10')
50-60Km/H (30-40MPH)	22.9m (75')	6.1m (20')	4.53m (15')
70Km/H (45MPH) & over	22.9m (75')	9.05m (30')	6.1m (20')

NOTE: if the spacing recommended in the Table does not permit at least five diagonal lines in the area being marked, the spacing from the next lowest speed range should be used. The recommended spacing is measured parallel to the pavement center line.



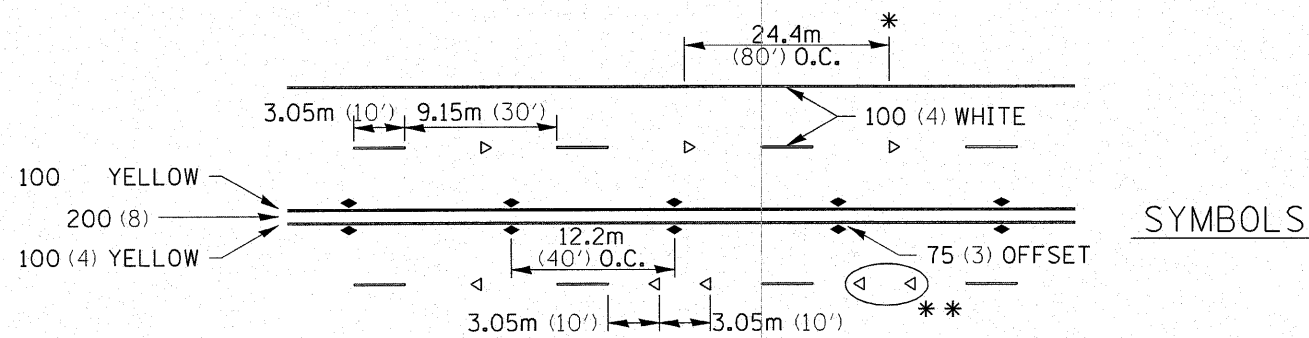
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W:\2298-03 - US 20 IL 84 Intersection\CAD Sheets\0208108-sht-details.dgn	DRAWN - AJP	REVIS	REVIS		SCALE: NONE	SHEET NO. 04 OF 10 SHEETS	STA.	TO STA.	301	30-M-2	JoDAVIESS	81	51
PLOT SCALE = 1:0000 "/ IN.	CHECKED - JMS	REVIS	REVIS						CONTRACT NO. 64E29				
PLOT DATE = 1/21/2009	DATE - 01/23/09	REVIS	REVIS						FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

TYPICAL PAVEMENT MARKINGS



* SEE HIGHWAY STANDARD 781001 FOR SPACING DETAILS.
USE DOUBLE MARKERS WHEN ADT \geq 25,000.

MULTI-LANE / DIVIDED

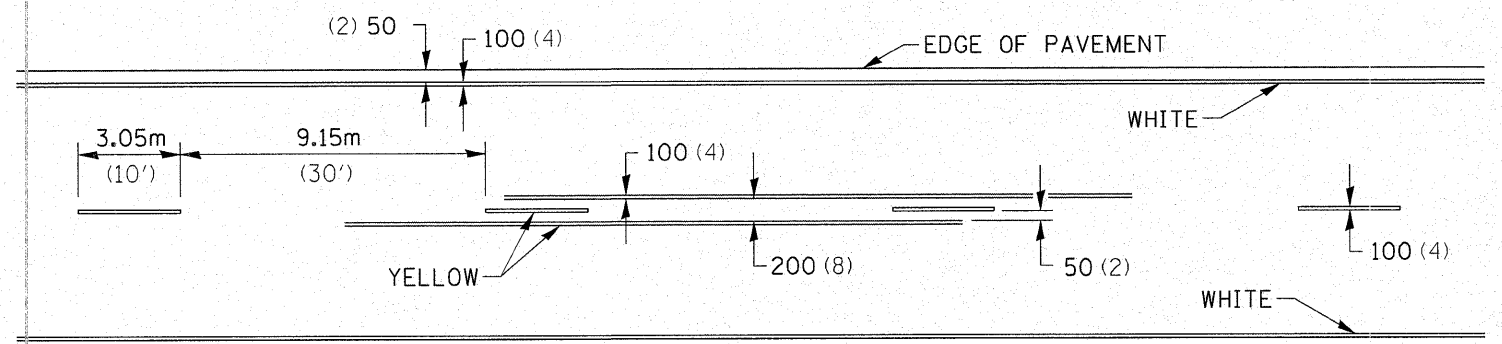


* REDUCE TO 12.2m (40') O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 15km/H (10MPH) LOWER THAN POSTED SPEEDS.

** USE DOUBLE MARKERS WHEN ADT \geq 25,000

MULTI-LANE / UNDIVIDED

TYPICAL PAVEMENT MARKING FOR TWO LANE SECTION – NO PASSING ZONES



FILE NAME =	USER NAME = IDOTCAD	DESIGNED - SPF	REVISED - 10-21-08
W:\2298-03 - US 20 IL 84 Intersection\CADD Sheets\0208108-sht-details.dgn		DRAWN - AJP	REVISED -
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		DATE - 01/23/09	REVISED -

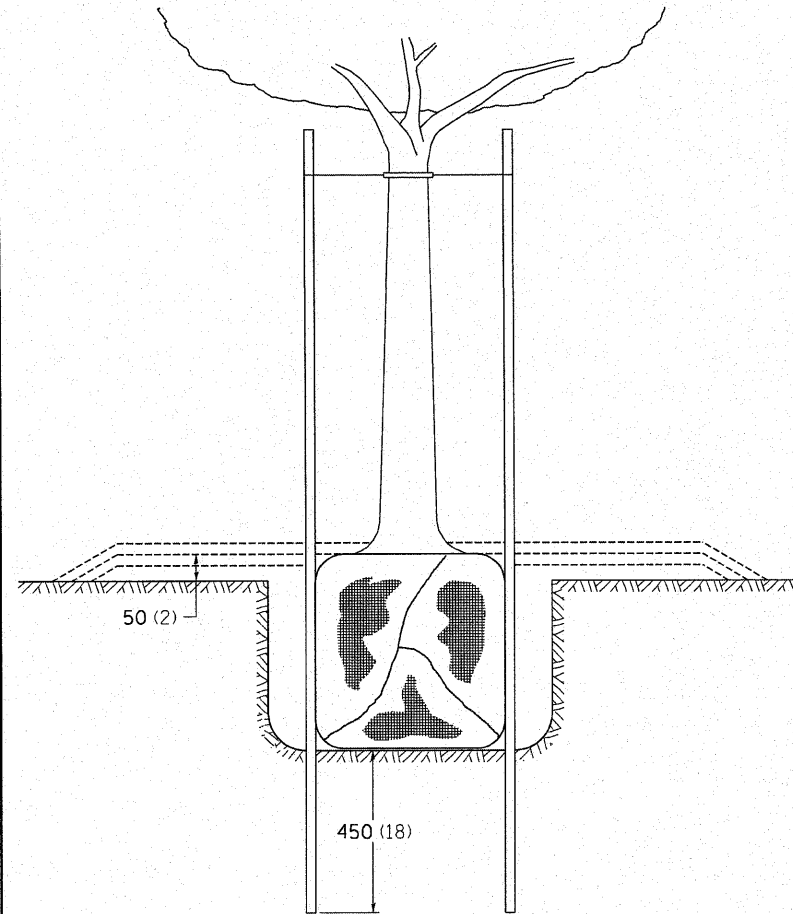
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REGION 2 / DISTRICT 2 STANDARD

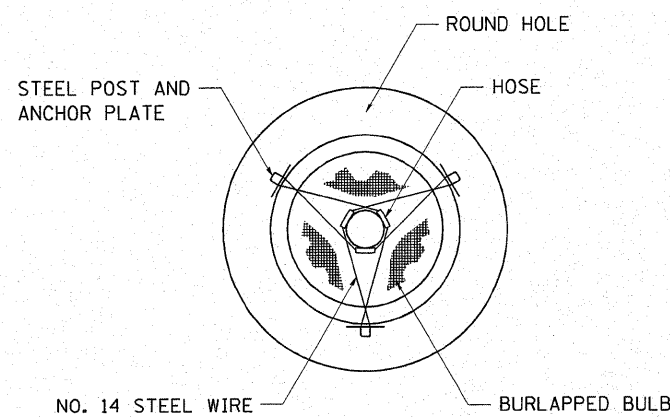
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	30-M-2	JO DAVIESS	81	52
CONTRACT NO. 64E29				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

DETAILS OF PLANTING AND BRACING TREES

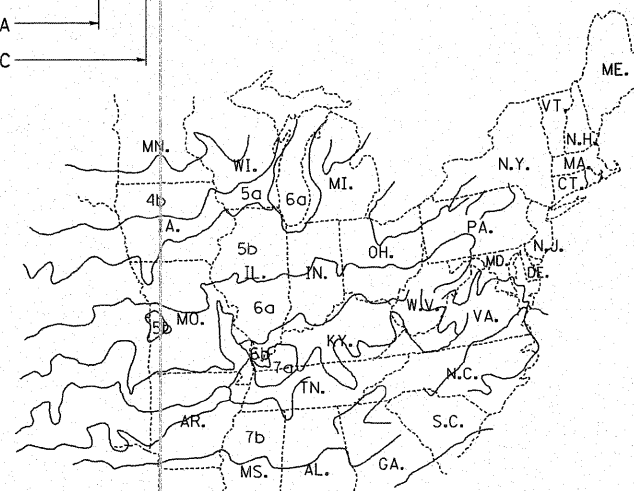
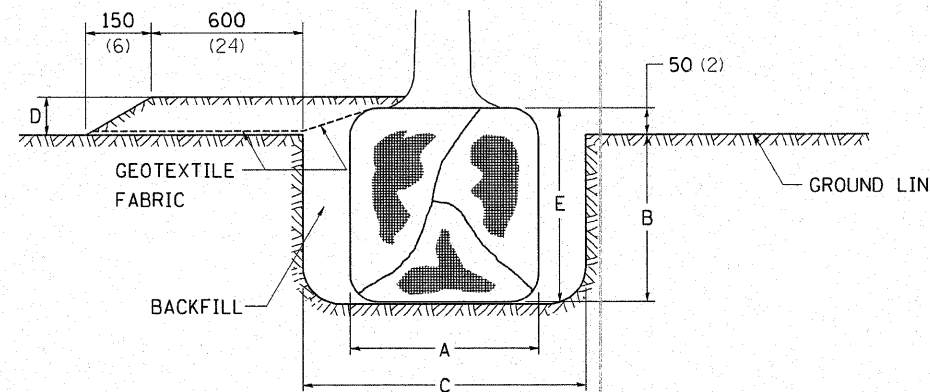


TREES SMALLER THAN 115 (4 1/2) IN DIAMETER

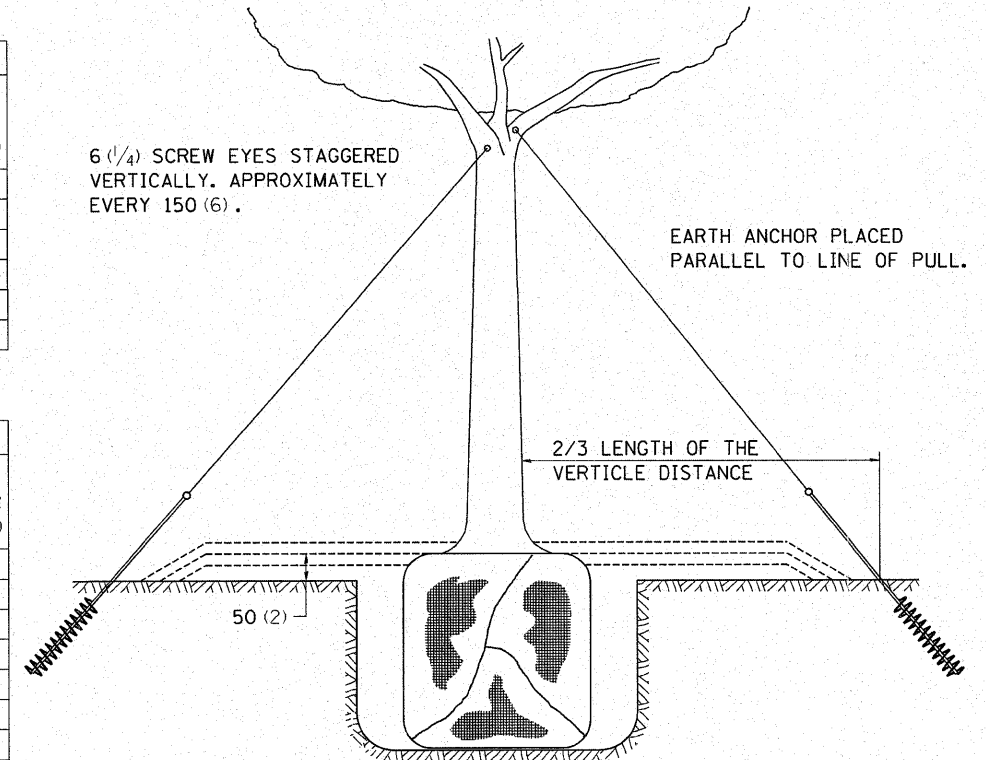


SMALL	A	B	C	D	E	F
TREE SIZE	DIAMETER OF BALL OR ROOT SYS.	DEPTH OF HOLE EXCAVATION	WIDTH OF HOLE EXCAVATION	THICKNESS OF MULCH COVER	DEPTH OF BALL OR ROOT SYS.	VOLUME OF MULCH COVER m ³ (CU. YDS.)
1.5-1.8m (5'-6')	400 (16)	250 (10)	750 (30)	100 (4)	300 (12)	0.41 (0.54)
1.5-1.8m (5'-6') BB	400 (16)	250 (10)	750 (30)	100 (4)	300 (12)	0.41 (0.54)
1.8-2.0m (6'-7') BB	450 (18)	300 (12)	750 (30)	100 (4)	350 (14)	0.41 (0.54)
2.0-2.4m (7'-8') BB	500 (20)	275 (11)	750 (30)	100 (4)	325 (13)	0.41 (0.54)
2.4-3.0m (8'-10') BB	600 (24)	350 (14)	900 (36)	100 (4)	400 (16)	0.47 (0.61)
3.0-3.6m (10'-12') BB	650 (26)	375 (15)	900 (36)	100 (4)	425 (17)	0.47 (0.61)

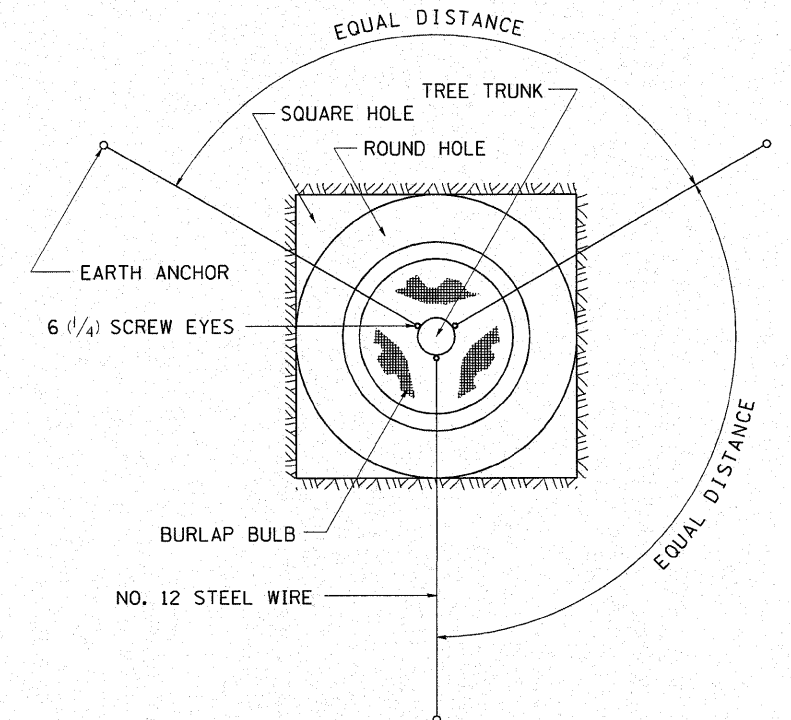
LARGE	A	B	C	D	E	F
TREE SIZE	DIAMETER OF BALL OR ROOT SYS.	DEPTH OF HOLE EXCAVATION	WIDTH OF HOLE EXCAVATION	THICKNESS OF MULCH COVER	DEPTH OF BALL OR ROOT SYS.	VOLUME OF MULCH COVER m ³ (CU. YDS.)
0-50 (0-2)	500 (20)	275 (11)	900 (36)	100 (4)	325 (13)	0.47 (0.61)
50-65 (2-2 1/2) BB	600 (24)	350 (14)	1200 (48)	100 (4)	400 (16)	0.60 (0.78)
65-75 (2 1/2-3) BB	700 (28)	425 (17)	1200 (48)	100 (4)	475 (19)	0.60 (0.78)
75-90 (3-3 1/2) BB	800 (32)	425 (17)	1500 (60)	100 (4)	475 (19)	0.73 (0.96)
90-100 (3 1/2-4) BB	900 (36)	500 (20)	1500 (60)	100 (4)	550 (22)	0.73 (0.96)
100-115 (4-4 1/2) BB	1000 (40)	550 (22)	1800 (72)	100 (4)	600 (24)	0.89 (1.16)
115-125 (4 1/2-5) BB	1100 (44)	600 (24)	1800 (72)	100 (4)	650 (26)	0.89 (1.16)
125-140 (5-5 1/2) BB	1200 (48)	675 (27)	2100 (84)	100 (4)	725 (29)	1.06 (1.38)



PLANT HARDINESS ZONE MAP
U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL RESEARCH SERVICE
PUBLICATION NO. 814



TREES OVER 115 (4 1/2) IN DIAMETER



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

DETAILS OF PLANTING AND BRACING TREES 92.1

FILE NAME =	USER NAME = IDOTCAD	DESIGNED - SPF	REVISED -
W:\2298-03 - US 20 IL 84 Intersection\CAD Sheets\0208108-sht-details.dgn		DRAWN - AJP	REVISED -
		CHECKED - JMS	REVISED -
		DATE - 01/23/09	REVISED -

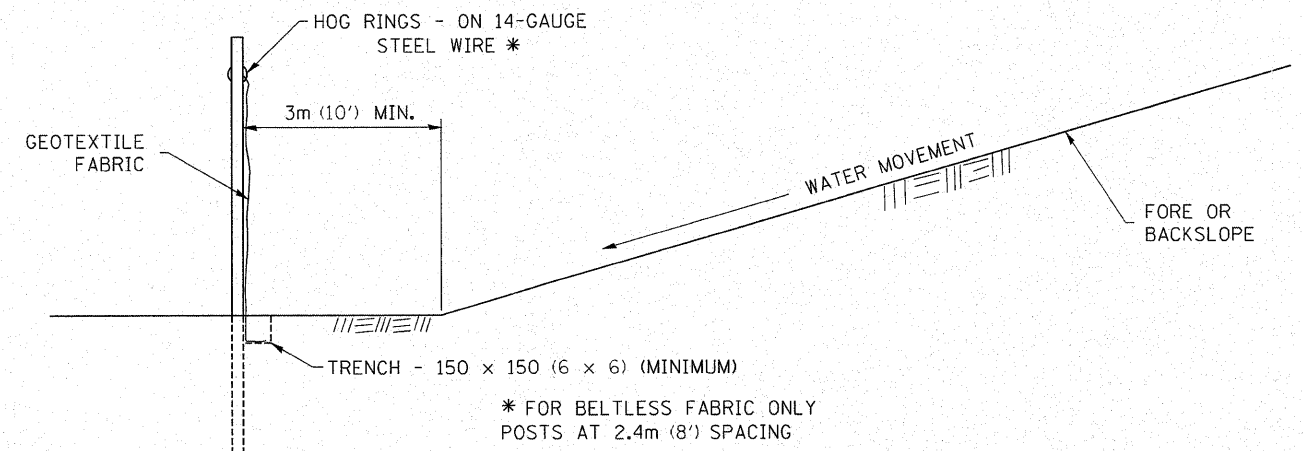
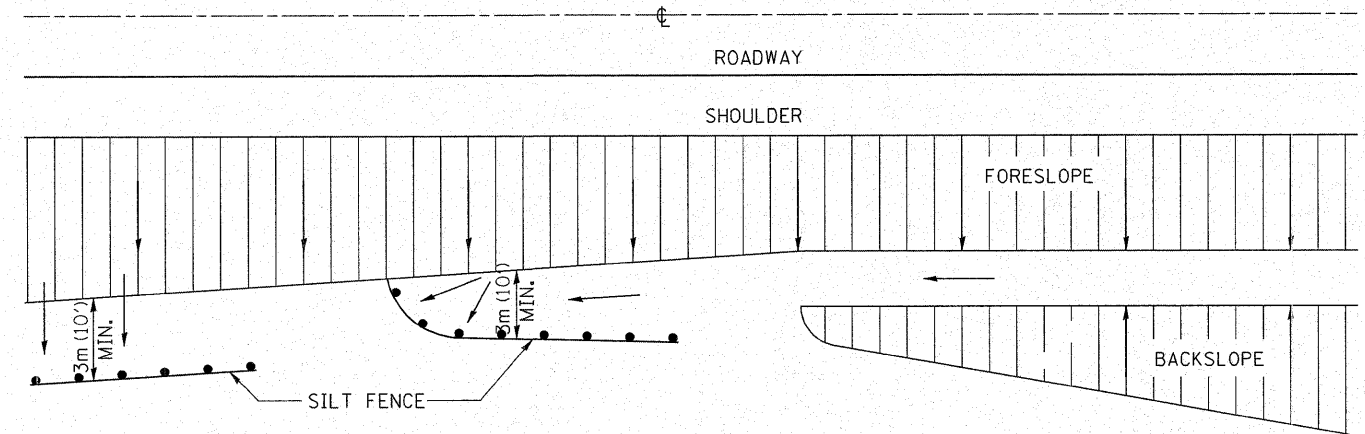
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETAILS

SCALE: NONE	SHEET NO. 06 OF 10 SHEETS	STA. TO STA.	F.A. RTE. 301	SECTION 30-M-2	COUNTY JO DAVIESS	TOTAL SHEETS 81	SHEET NO. 53
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FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT CONTRACT NO. 64E29

EROSION CONTROL DETAILS FOR SILT FENCE



DETAILS OF SILT FENCE

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

REVISED - 10-22-01

EROSION CONTROL DETAILS FOR SILT FENCE 29.2

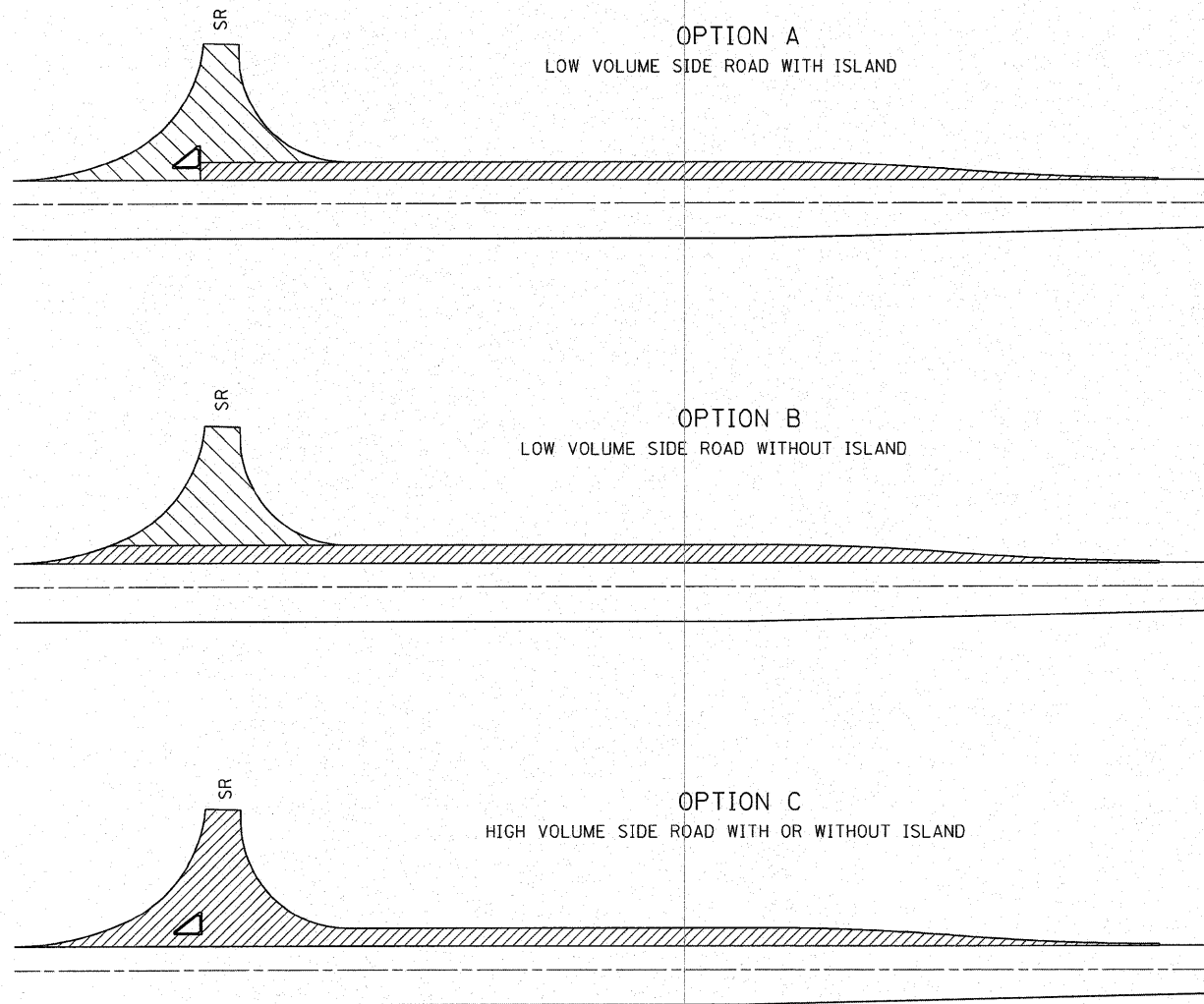
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		CHECKED - JMS	REVISED -
		DATE - 01/23/09	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DETAILS	
SCALE: NONE	SHEET NO. 07 OF 10 SHEETS
STA.	TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	30-M-2	JoDAVIÈSS	81	54
CONTRACT NO. 64E29				
ILLINOIS FED. AID PROJECT				

RIGHT TURN LANE CONSTRUCTION





OPTION A
LOW VOLUME SIDE ROAD WITH ISLAND

OPTION B
LOW VOLUME SIDE ROAD WITHOUT ISLAND

OPTION C
HIGH VOLUME SIDE ROAD WITH OR WITHOUT ISLAND

LEGEND

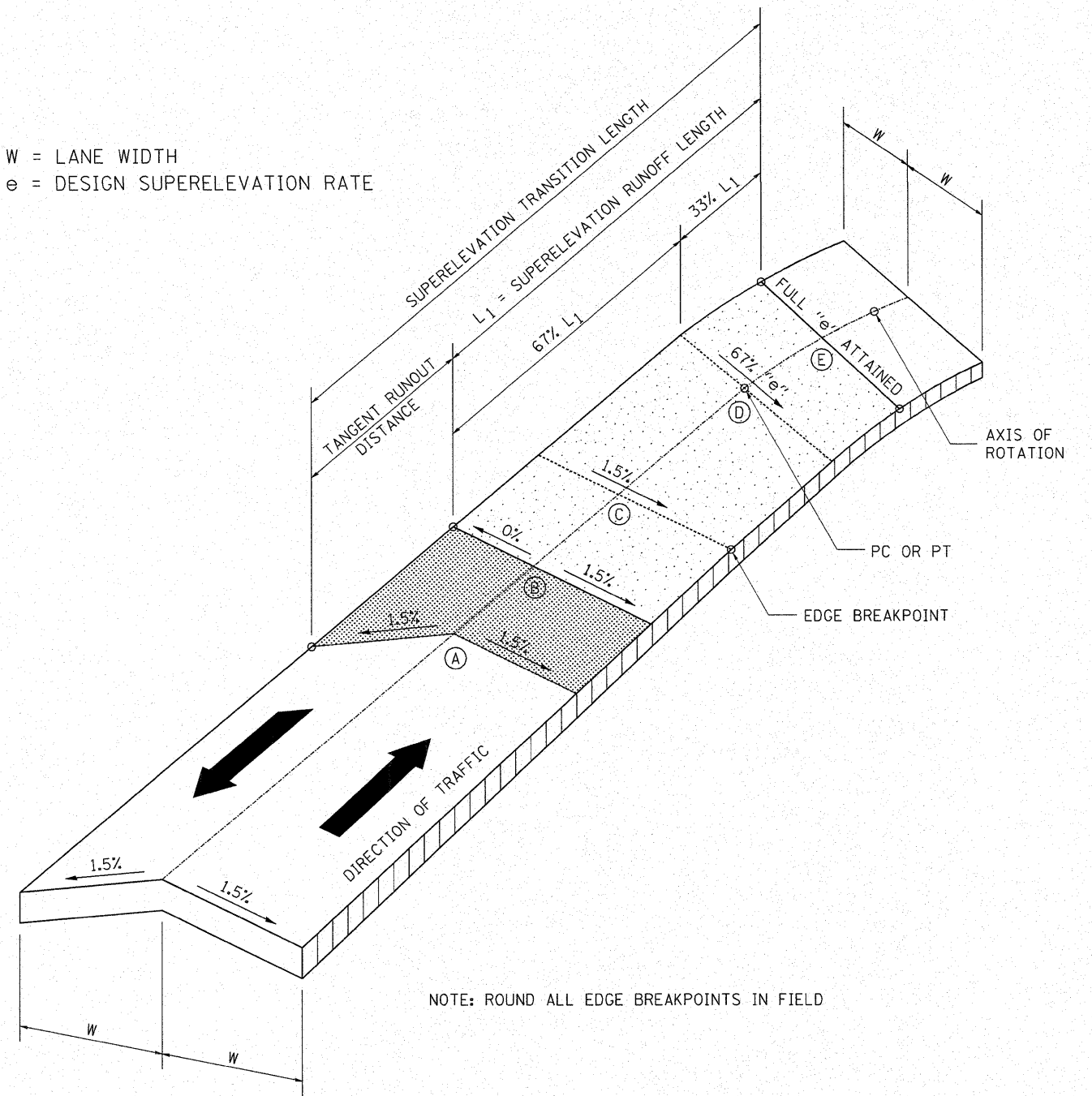
-  HOT-MIX ASPHALT PAVEMENT (FULL DEPTH)
-  AGGREGATE BASE WITH HOT-MIX ASPHALT SURFACE

REVISED - 10-10-06

RIGHT TURN LANE CONSTRUCTION 43.2

SUPERELEVATION TRANSITION ON TWO-LANE HIGHWAY

W = LANE WIDTH
e = DESIGN SUPERELEVATION RATE



NOTE: ROUND ALL EDGE BREAKPOINTS IN FIELD

TRANSITION CURVE TABLE

CURVE PI STA.	SUPERELEVATION "e"	W	SUPERELEVATION TRANSITION LENGTH	TANGENT RUNOUT DISTANCE	SUPERELEVATION RUNOFF LENGTH
587+11.26	0.06 FT/FT	12	270	54	216
1377+26.06	0.05 FT/FT	12	129	30	99

REVISED - 11-09-06

SUPERELEVATION TRANSITION ON TWO-LANE HIGHWAY 45.2

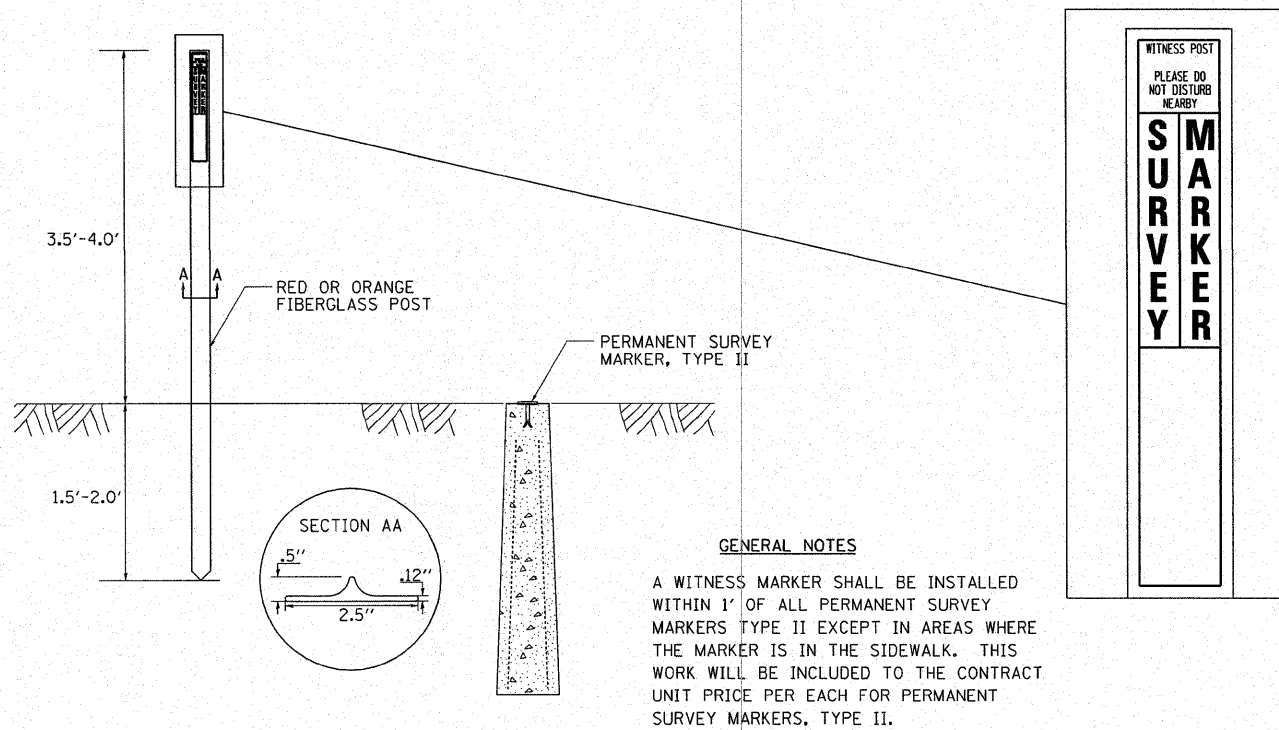
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PLOT DATE = 1/21/2009		DATE - 01/23/09	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

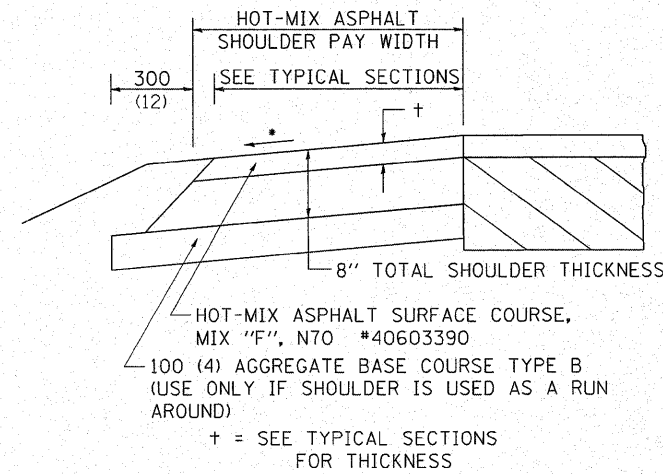
SCALE: NONE		SHEET NO. 08 OF 10 SHEETS		STA. TO STA.	
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	30-M-2	JO DAVIESS	81	55
CONTRACT NO. 64E29				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

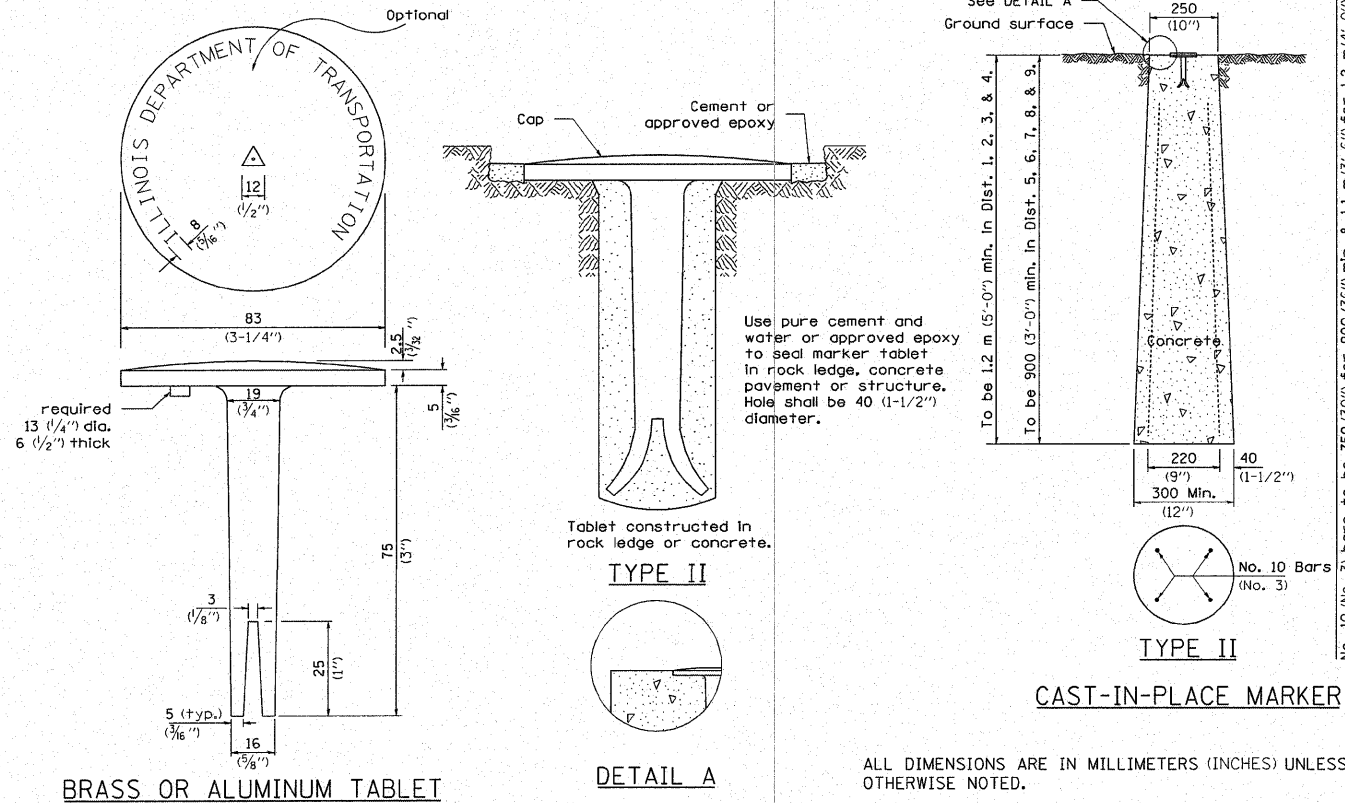
WITNESS MARKER FOR PERMANENT SURVEY MARKERS, TYPE II



HOT-MIX ASPHALT SHOULDER



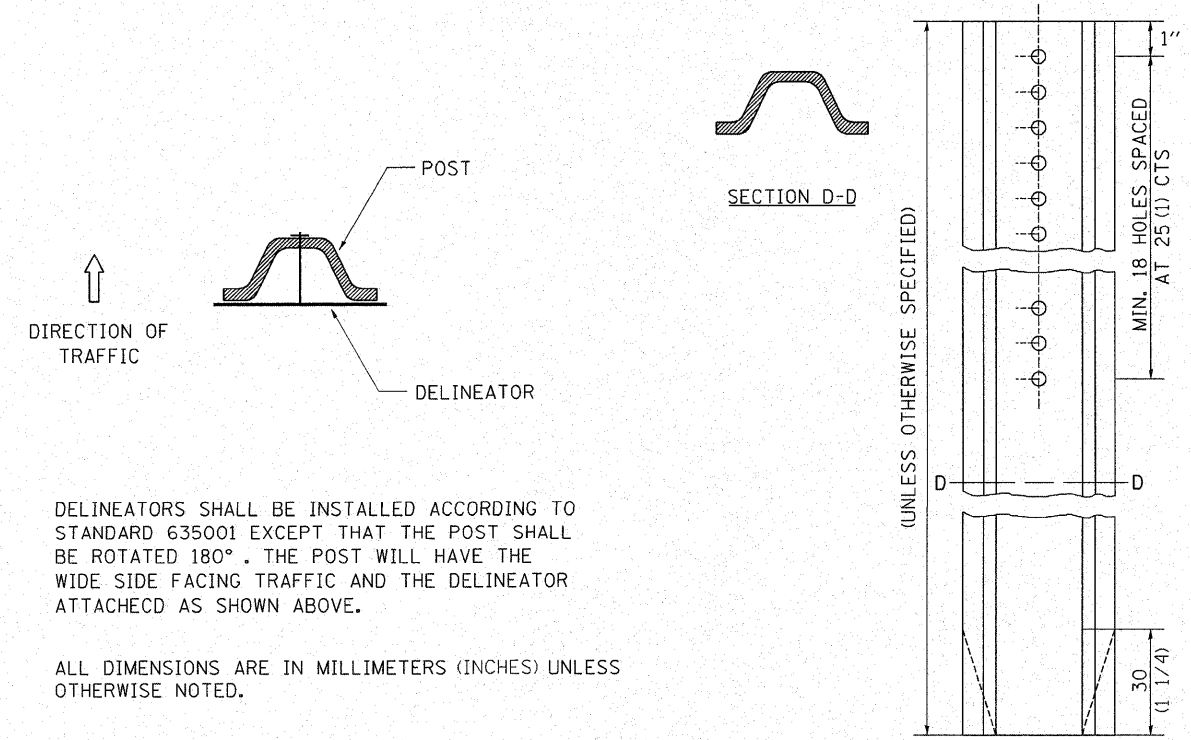
PERMANENT SURVEY MARKERS, TYPE II



REVISED - 11-01-07

HOT-MIX ASPHALT SHOULDER 23.4a

DELINEATOR AND POST ORIENTATION



REVISED - 6-26-06

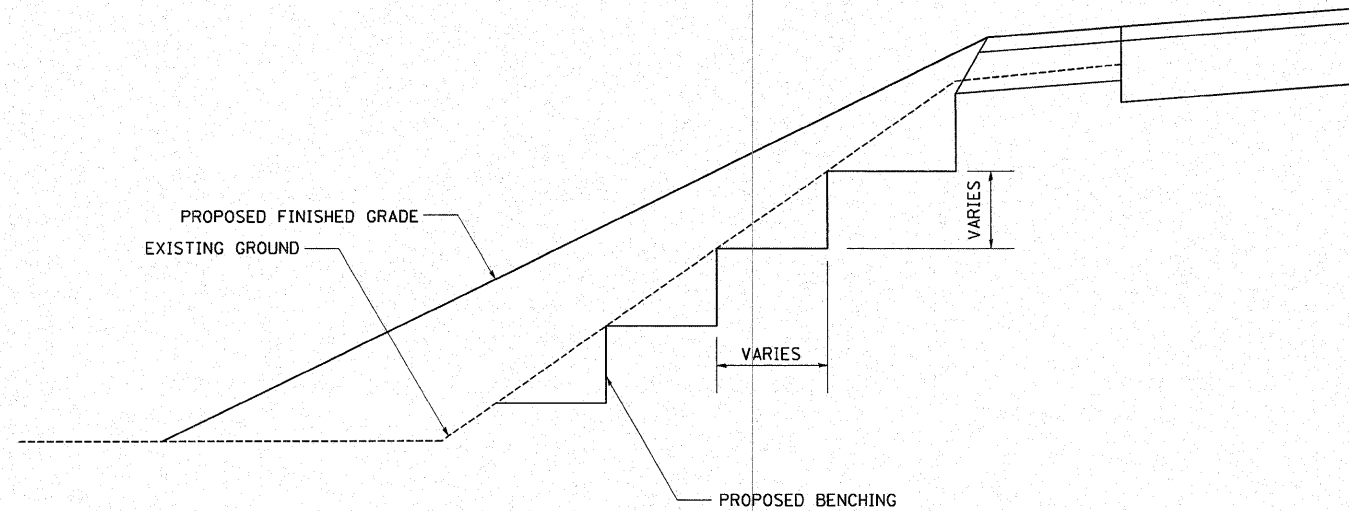
WITNESS MARKER & PERMANENT SURVEY MARKERS, TYPE II 66.2

REVISED - 11-01-07

DELINEATOR AND POST ORIENTATION 37.4

FILE NAME =	USER NAME = IDOTCAD	DESIGNED - SPF	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETAILS	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT DATE = 1/21/2009	DATE - 01/23/09	REVISED -	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT							
SCALE: NONE						SHEET NO. 09 OF 10 SHEETS		STA. TO STA.		

TYPICAL BENCHING ON EXISTING EMBANKMENT



REVISED - 2-22-06

TYPICAL BENCHING ON EXISTING EMBANKMENT 50.4

TREE REPLACEMENT SCHEDULE

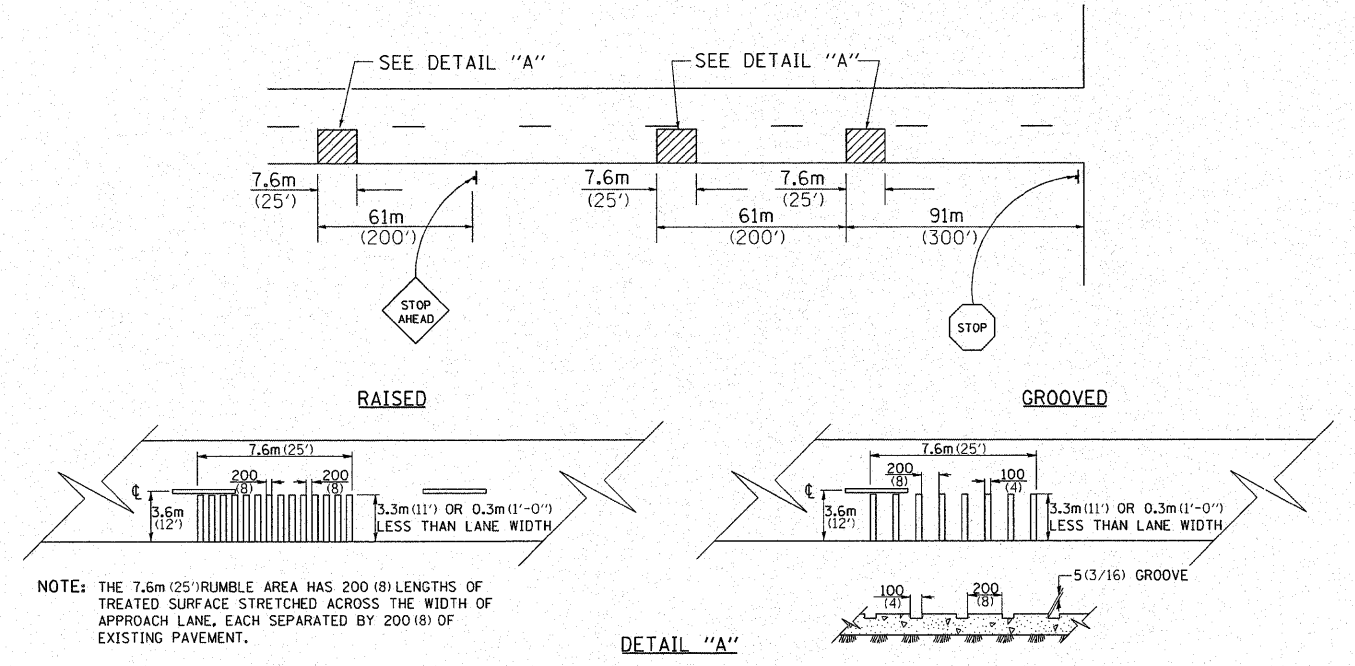
CODE NUMBER	SCIENTIFIC NAME	COMMON NAME	SIZE	UNIT	QUANTITY
A2002914	CELTIS OCCIDENTALIS	HACKBERRY	1 3/4" CALIPER BALLED AND BURLAPPED	EACH	14
A2006714	QUERCUS MACROCARPA	BURR OAK	1 3/4" CALIPER BALLED AND BURLAPPED	EACH	20

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

TREE REPLACEMENT SCHEDULE 90.4

REVISED - 8-10-05

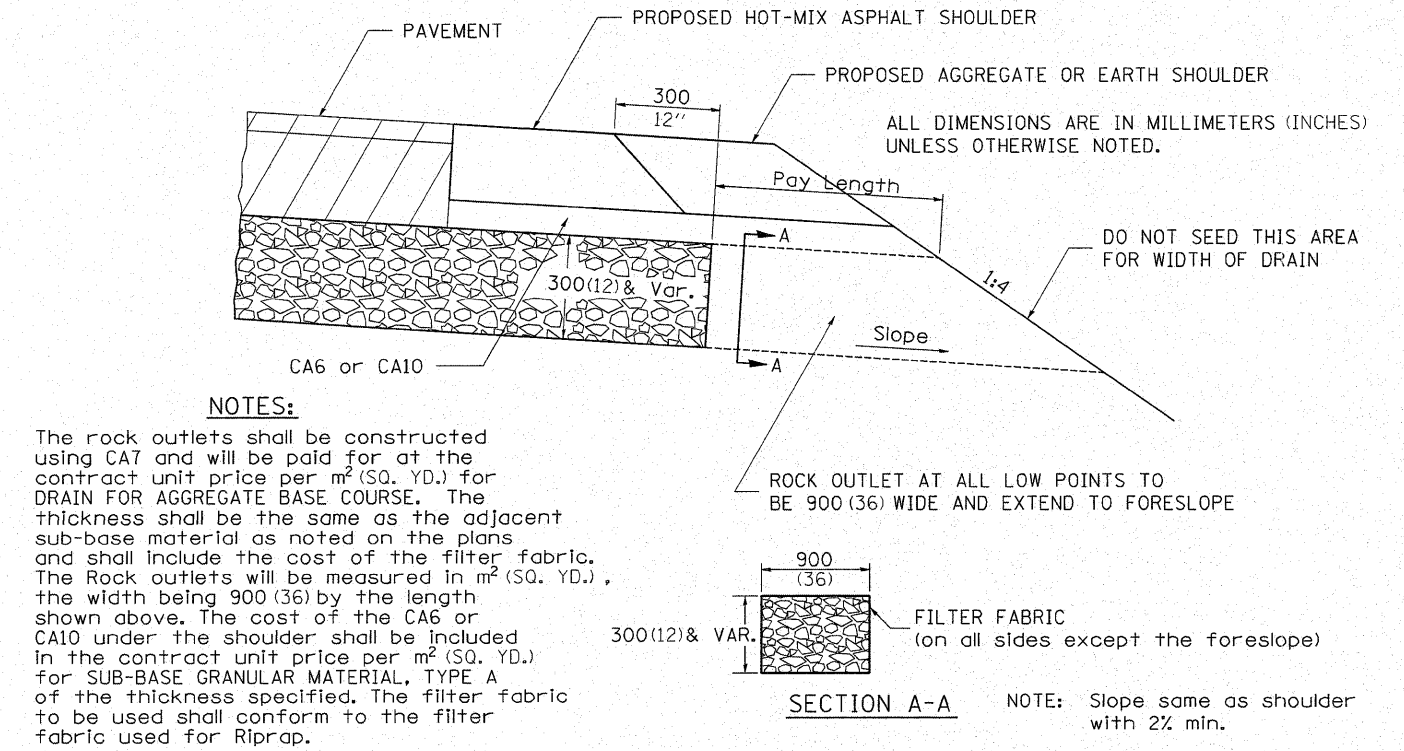
RUMBLE RESURFACING



REVISED - 2-16-88

RUMBLE RESURFACING 91.4

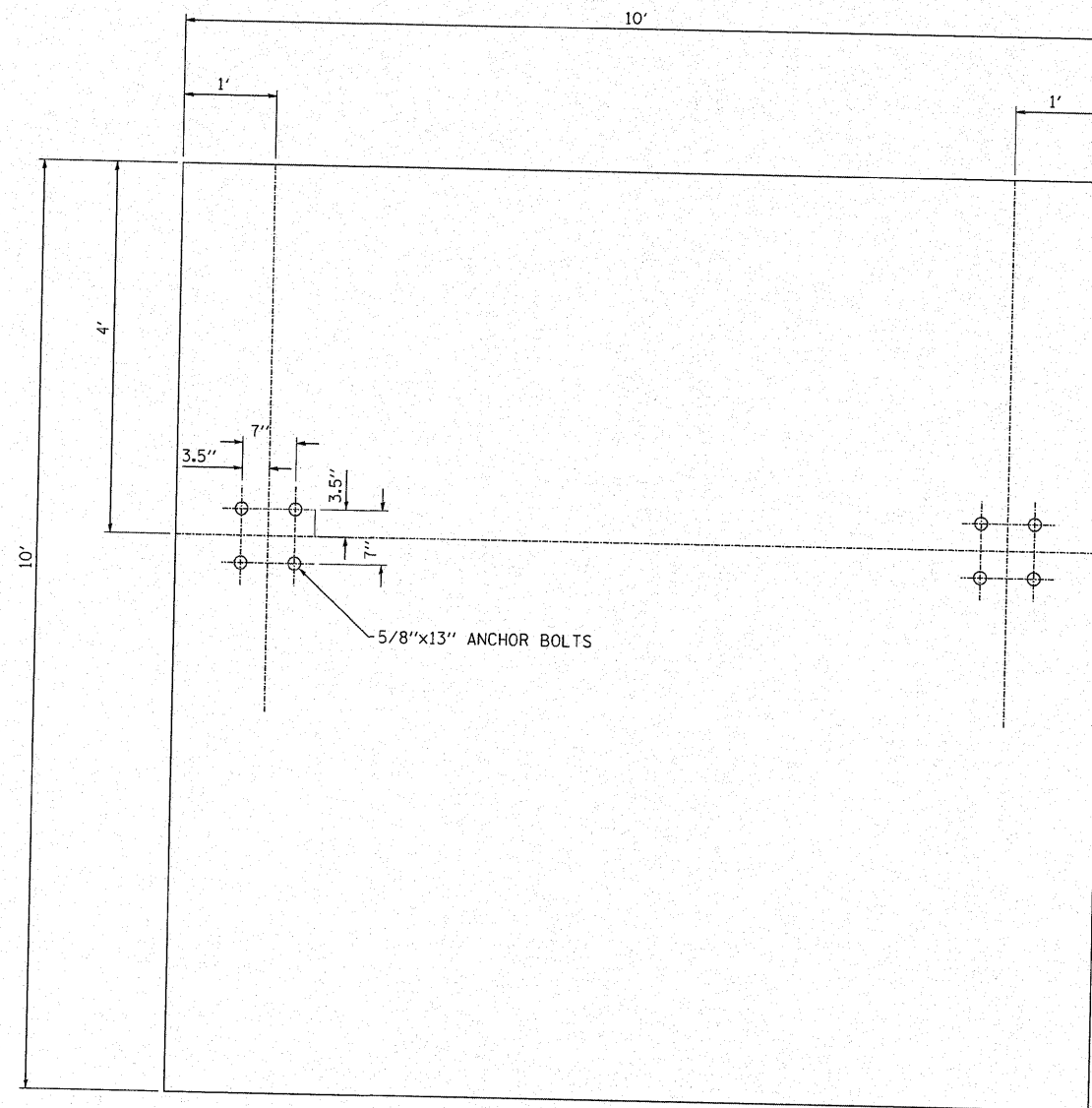
DRAIN FOR AGGREGATE BASE COURSE



REVISED - 10-10-06

DRAIN FOR AGGREGATE BASE COURSE 96.4

FILE NAME *	USER NAME = IDOTCAD	DESIGNED - SPF	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETAILS	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT DATE = 1/21/2009	DATE - 01/23/09	REVISED -	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT							



INFORMATION KIOSK PAD

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	PLOT DATE = 1/21/2009	DATE - 01/23/09	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

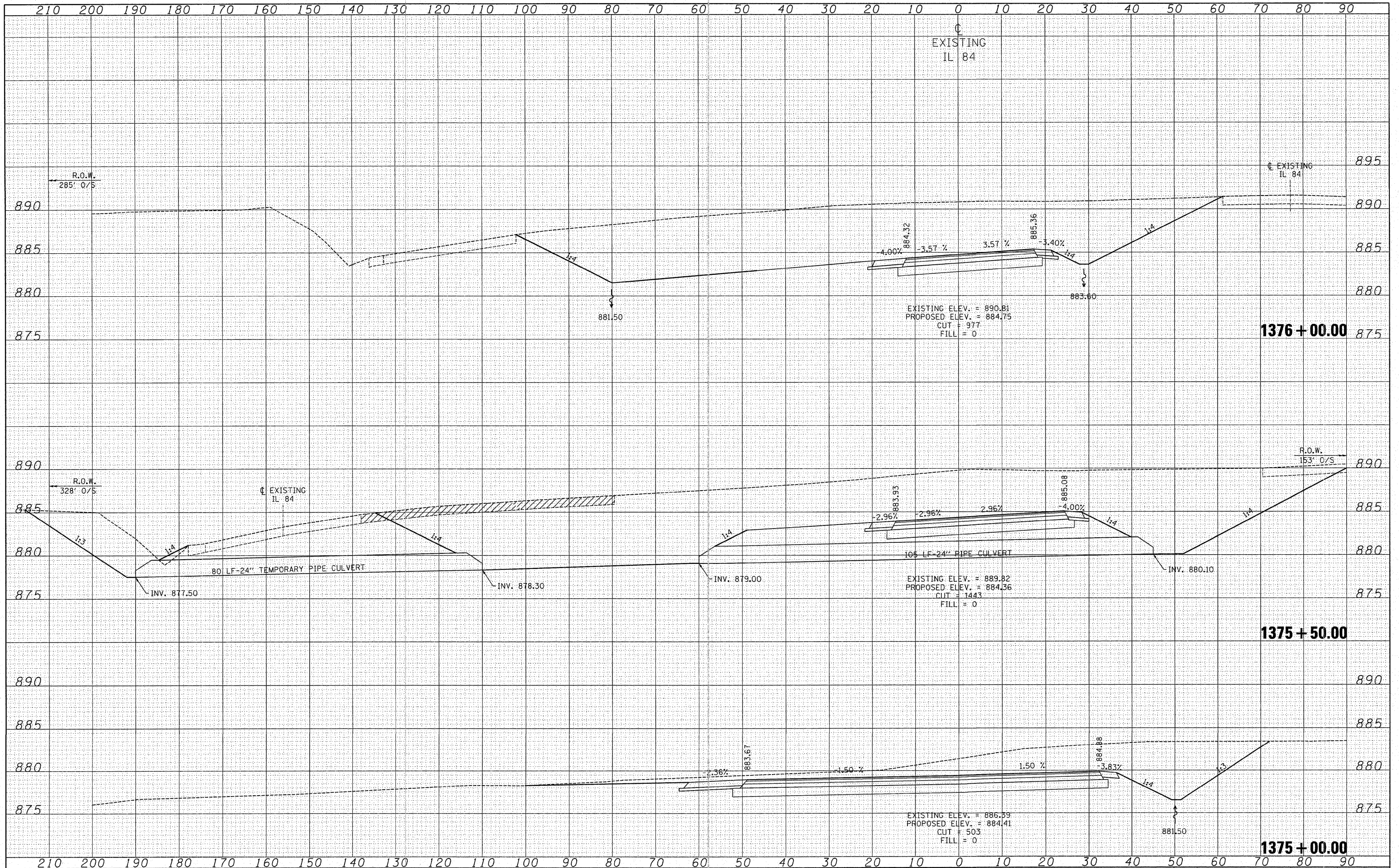
DETAILS

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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	30-M-2	JoDAVIESS	81	58
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 64E29	

DATE	
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SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
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SURVEYED	
PLOTTED	
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NOTE BOOK	
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 PLOT DATE = 1/21/2009

DESIGNED - SPF
 DRAWN - AJP
 CHECKED - JMS
 DATE - 01/23/09

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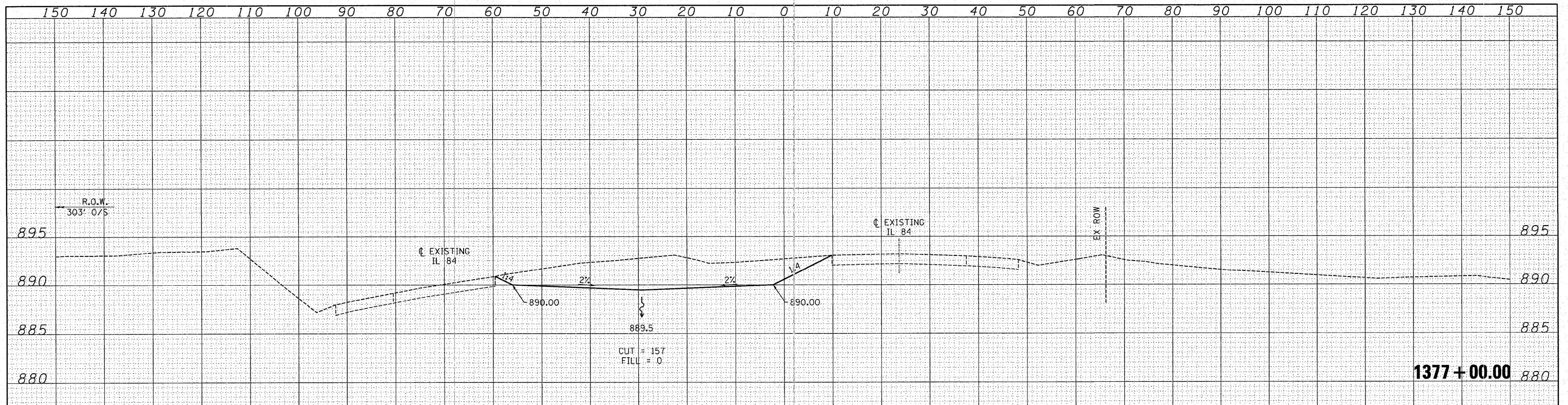
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

STAGE 1 CONSTRUCTION CROSS SECTIONS IL-84

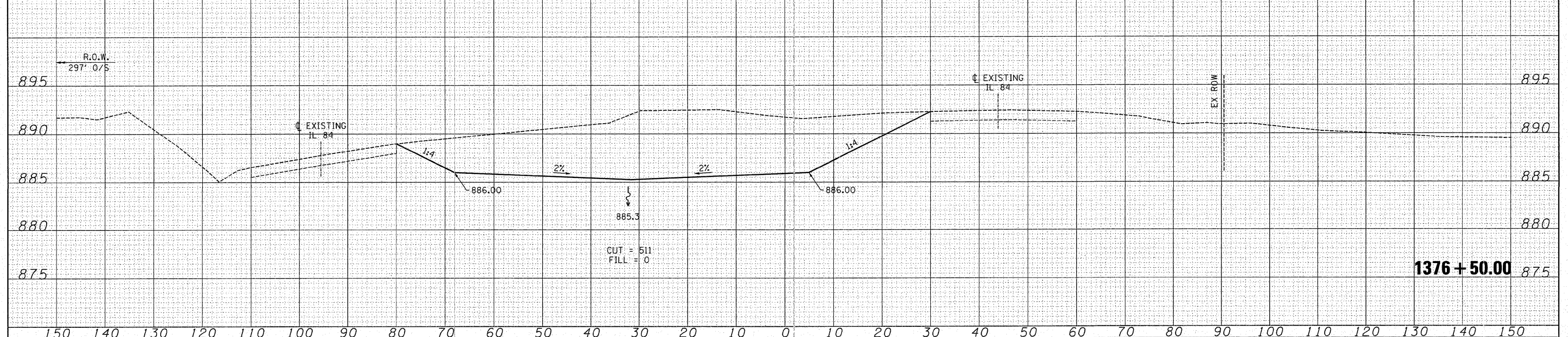
SCALE: 10H 5V SHEET NO. 01 OF 02 SHEETS STA. 1375+00 TO STA. 1376+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	30-M-2	JODAVIESS	81	59
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 64E29	

DATE	
BY	
FINAL SURVEY	
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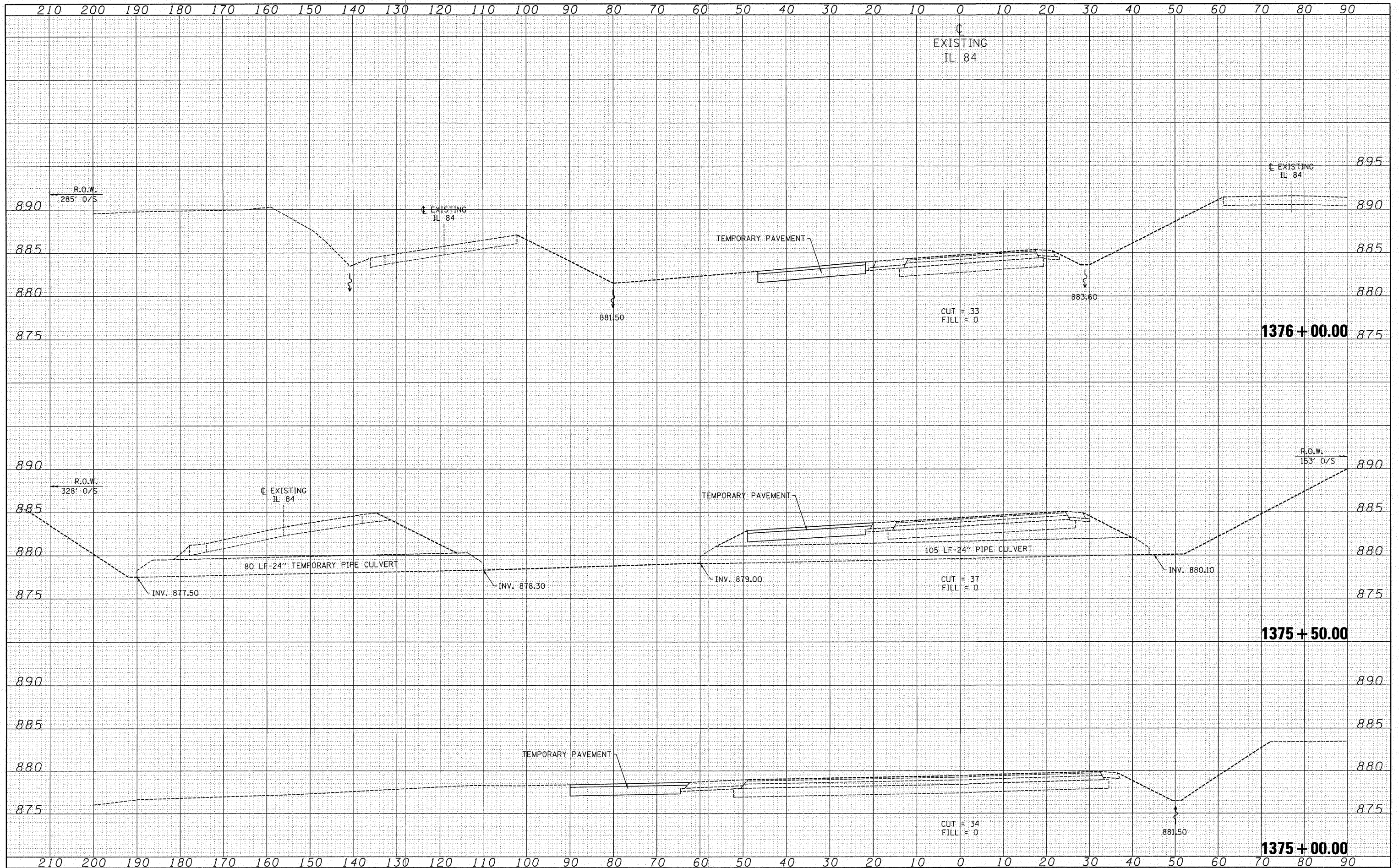


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NOTE BOOK	
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FILE NAME =	USER NAME = IDOTCAD	DESIGNED - SPF	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STAGE 1 CONSTRUCTION CROSS SECTIONS IL-84 SCALE: 10H 5V SHEET NO. 02 OF 02 SHEETS STA. 1376+50 TO STA. 1377+00				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
W:\2298-03 - US 20 IL 84 Intersection\CADD Sheets\0208108-sh1-xsh1-84.dgn	DRAWN - AJP	CHECKED - JMS	REVISED -						301	30-M-2	JoDAVIESS	81	60
PLOT SCALE = 10.0000 / IN.	DATE - 01/23/09	REVISED -	CONTRACT NO. 64E29										
PLOT DATE = 1/21/2009	REVISED -	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT										

DATE	
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SURVEYED	
PLANNED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
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DATE	
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PLANNED	
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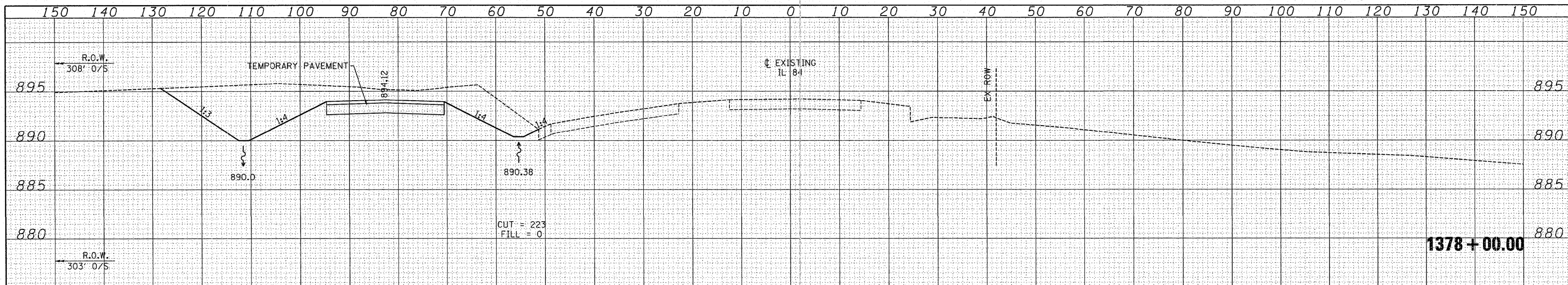
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DRAWN - AJP	CHECKED - JMS	REVISED -
DATE - 01/23/09		REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

STAGE 3 CONSTRUCTION CROSS SECTIONS IL-84
SCALE: 10H 5V SHEET NO. 01 OF 06 SHEETS STA. 1375+00 TO STA. 1376+00

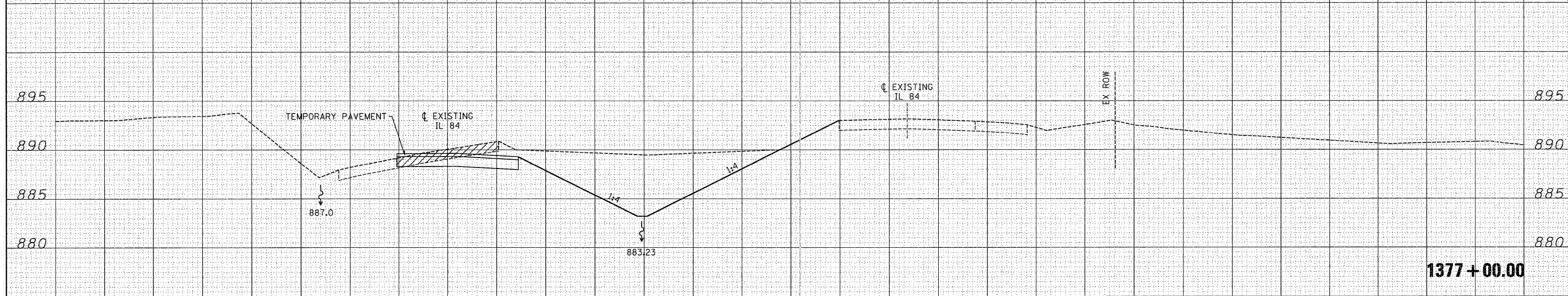
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	30-M-2	JoDAVIESS	81	61
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 64E29	

DATE	
BY	
SURVEYED	
PLANNED	
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AREAS CHECKED	
FINAL SURVEY	
NOTE BOOK	
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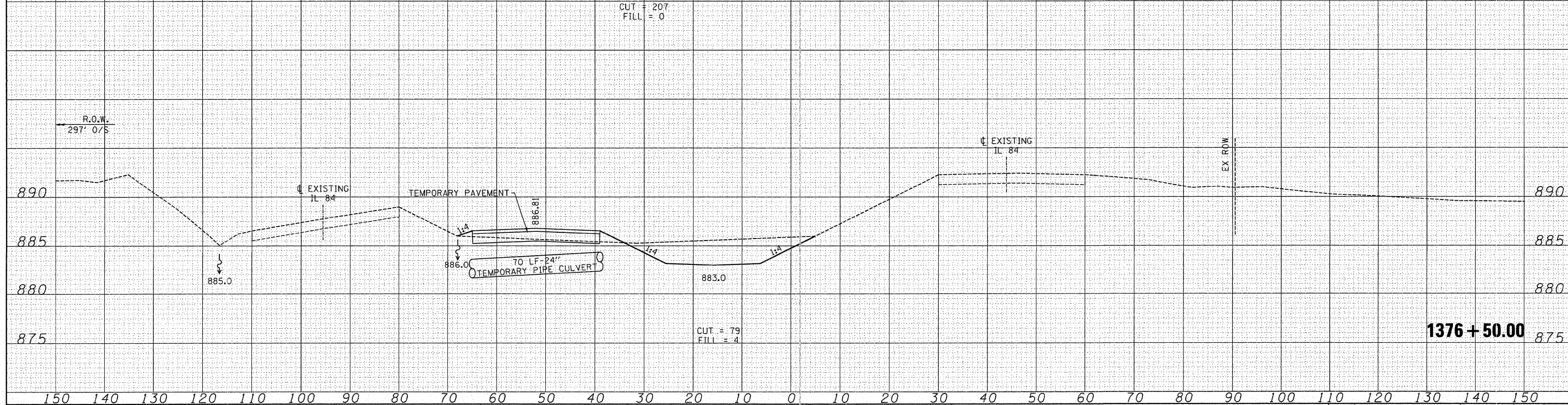


1378 + 00.00

DATE	
BY	
SURVEYED	
PLANNED	
TEMPERATURE	
AREAS CHECKED	
ORIGINAL SURVEY	
NOTE BOOK	
NO.	



1377 + 00.00



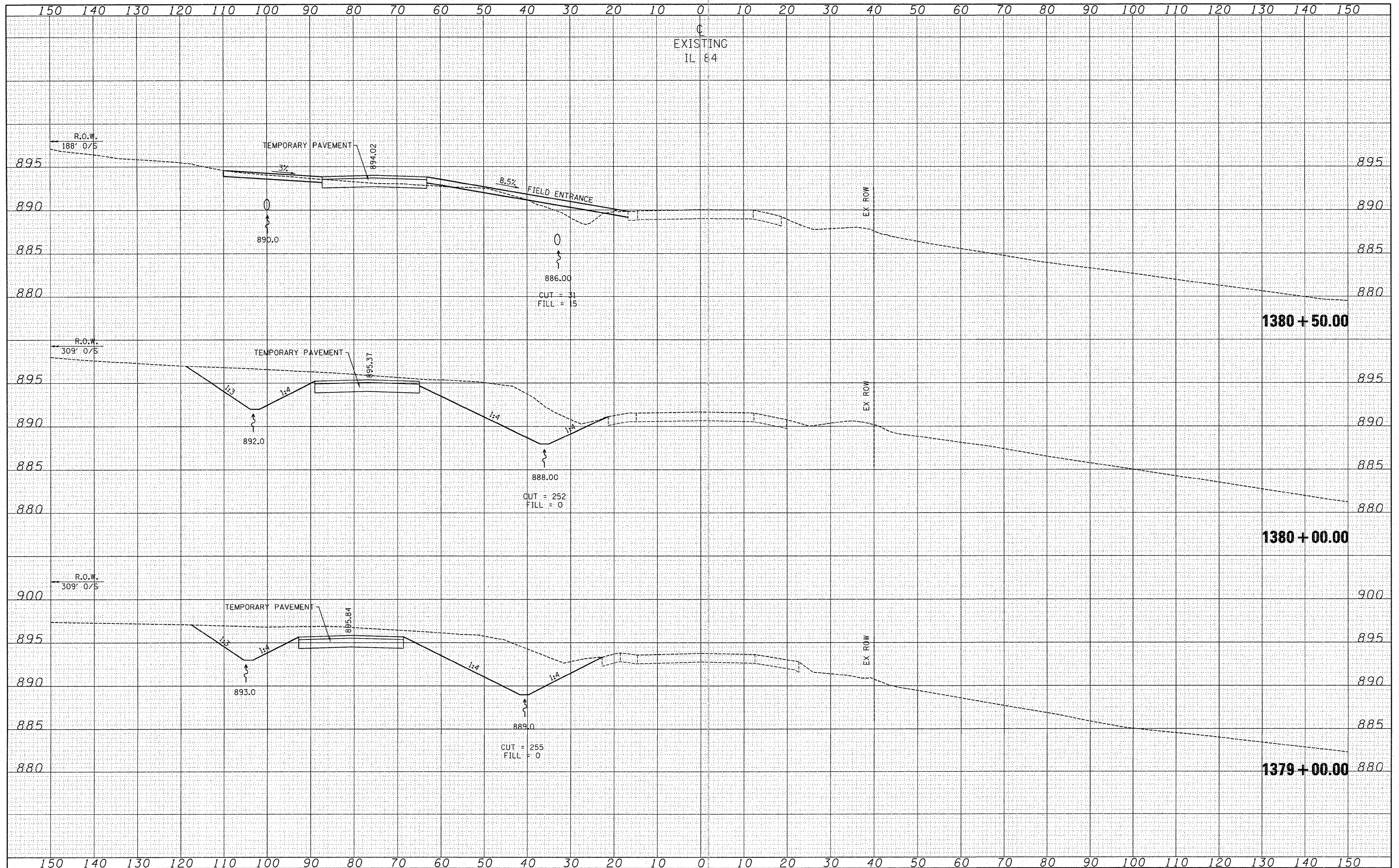
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PLOT DATE = 1/21/2009	DATE - 01/23/09	REVISOR -	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					

SCALE: 10H 5V SHEET NO. 02 OF 06 SHEETS STA. 1376+50 TO STA. 1378+00

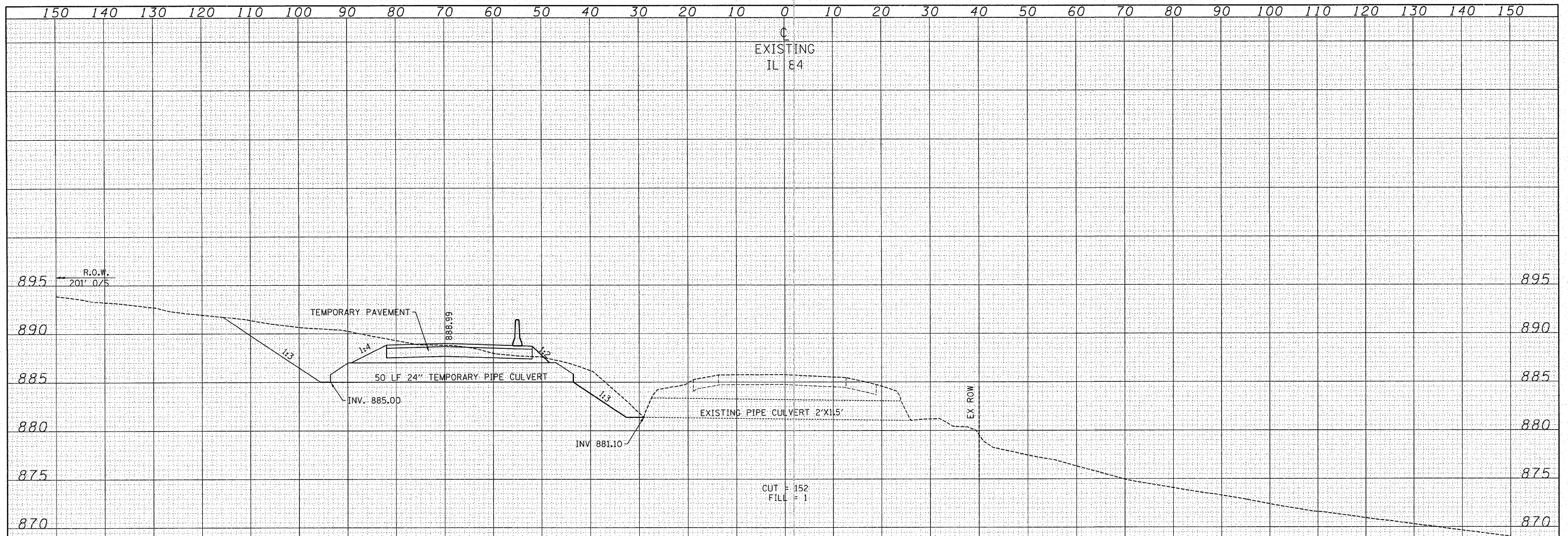
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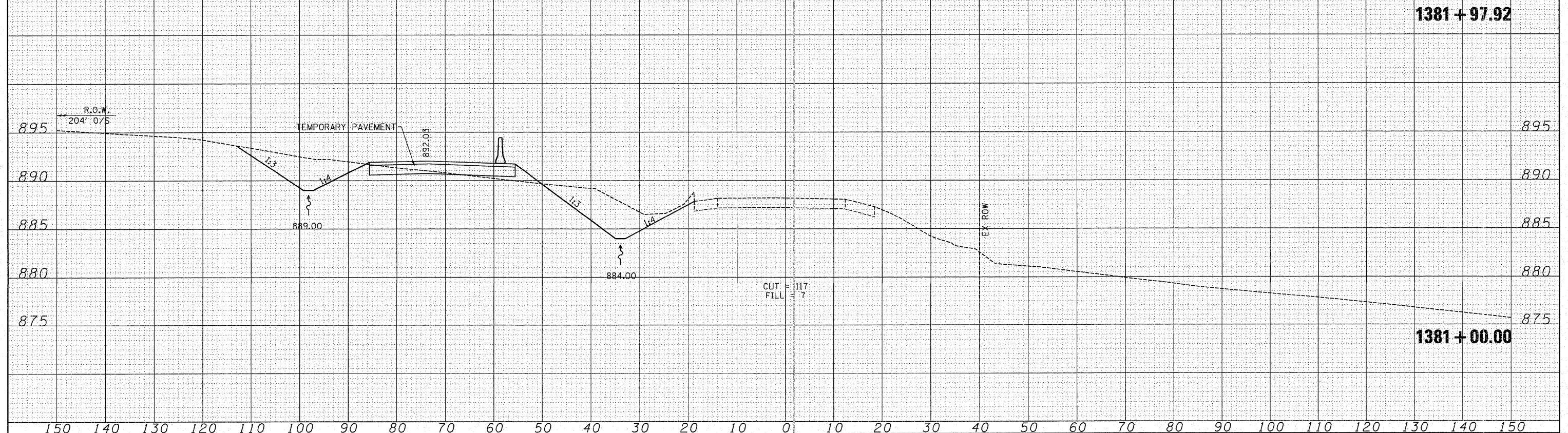


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					FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT							

DATE	
BY	
FINAL SURVEY	
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CONSTRUCTION	
OPERATION	
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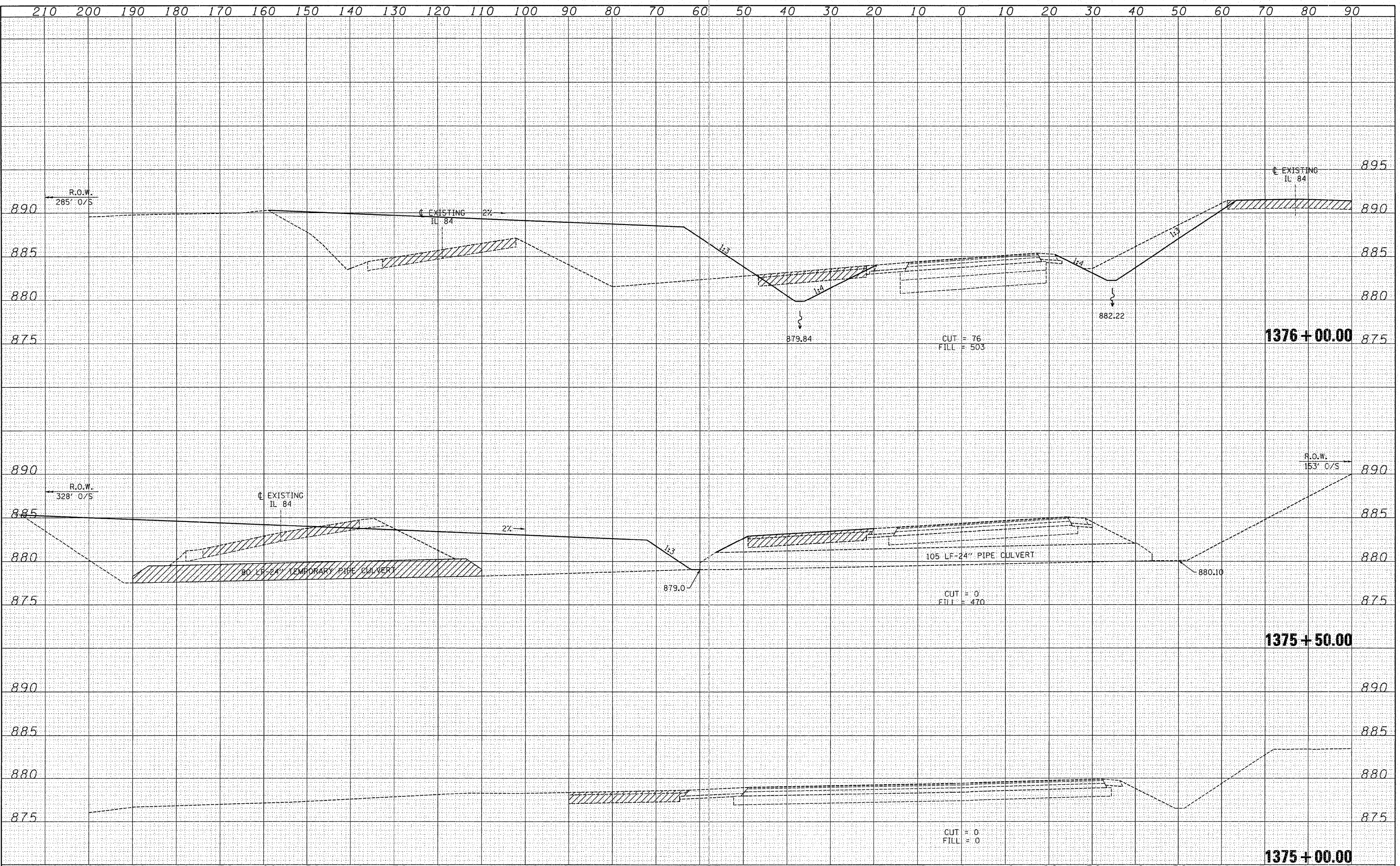


DATE	
BY	
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PLANNING	
DESIGN	
CONSTRUCTION	
OPERATION	
NO. OF SHEETS	
NO. OF SHEETS CHECKED	
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FILE NAME =	USER NAME = IDOTCAD	DESIGNED - SPF	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STAGE 3 CONSTRUCTION CROSS SECTION IL-84	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT DATE = 1/21/2009	DATE - 01/23/09	REVIS	REVIS			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
SCALE: 10H 5V						SHEET NO. 04 OF 06 SHEETS		STA. 1381+00 TO STA. 1381+97.92		

DATE	
BY	
FINAL SURVEY	
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NOTE BOOK	
AREAS CHECKED	
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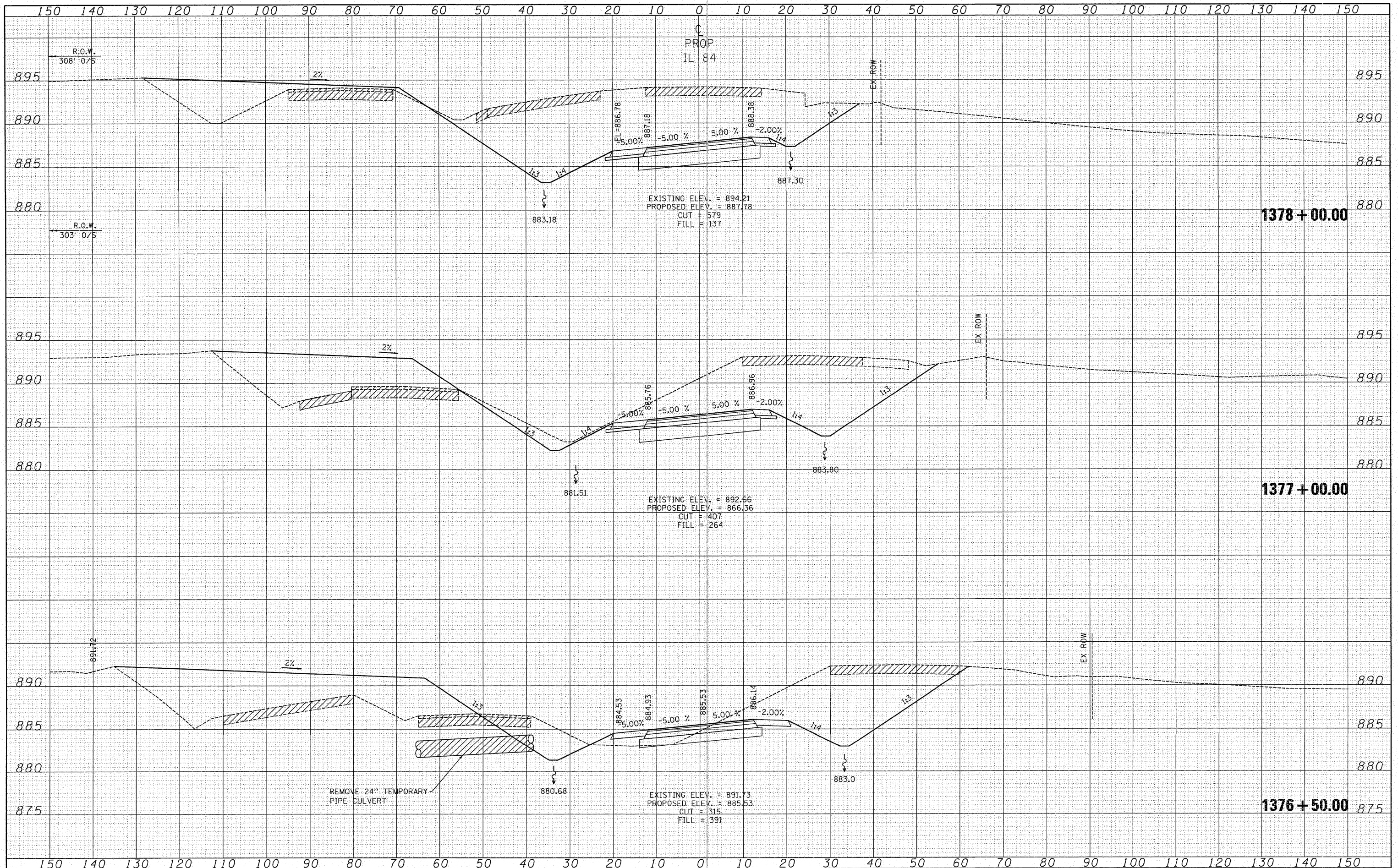
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NOTE BOOK	
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PLOT DATE = 1/21/2009	DATE - 01/23/09	CHECKED - JMS	REVISED -		CONTRACT NO. 64E29								
					FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT								

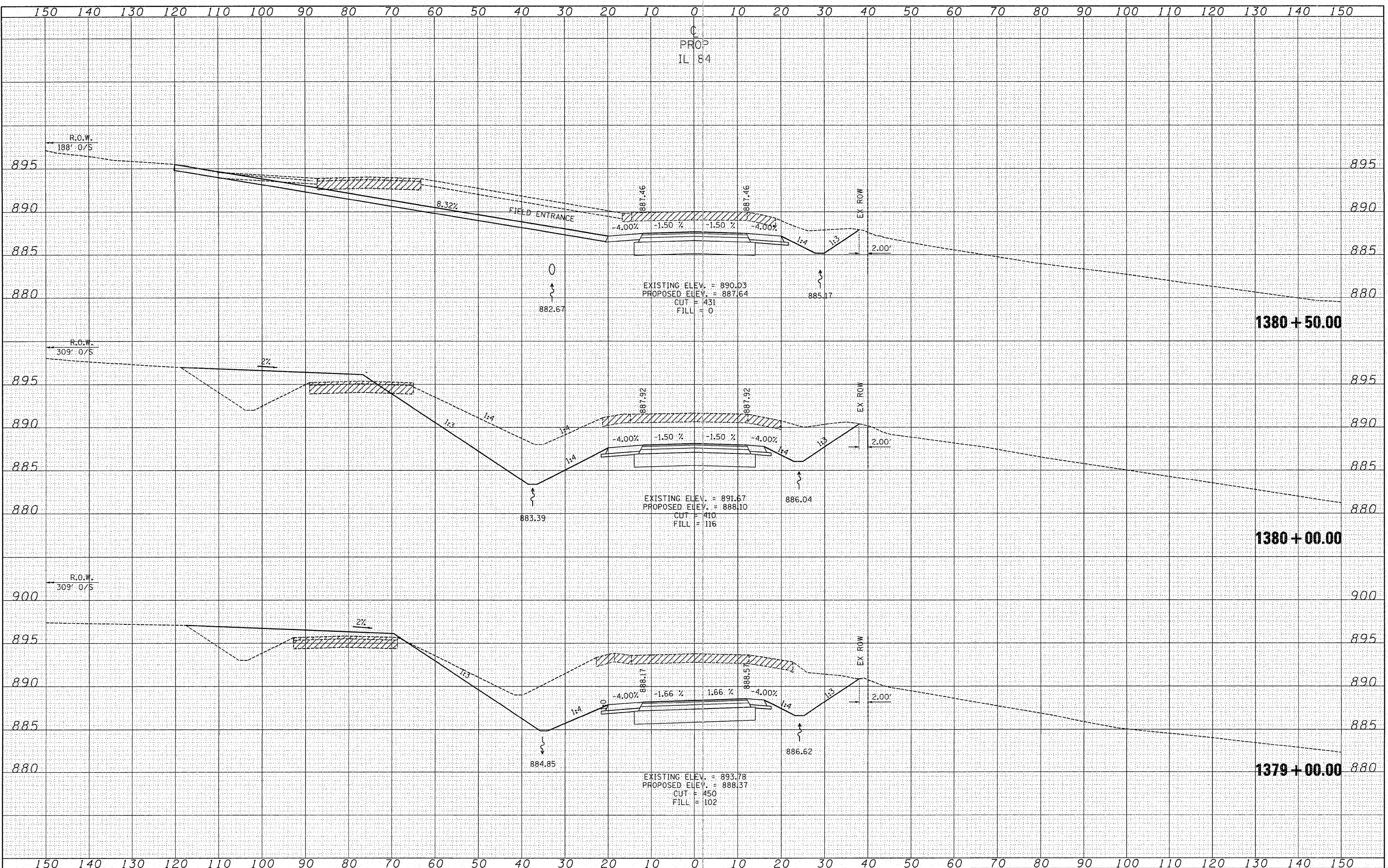
SCALE: 10H 5V SHEET NO. 01 OF 06 SHEETS STA. 1375+00 TO STA. 1376+00

DATE	
BY	
FINAL SURVEY	
SURVEYED	
PLOTTED	
NOTE BOOK	
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BY	
ORIGINAL SURVEY	
SURVEYED	
PLOTTED	
NOTE BOOK	
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FILE NAME =	USER NAME = IDOTCAD	DESIGNED - SPF	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FINAL CROSS SECTIONS IL-84 SCALE: 10H 5V SHEET NO. 02 OF 06 SHEETS STA. 1376+50 TO STA. 1378+00				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT DATE = 1/21/2009		DATE - 01/23/09	REVISED -						FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



DATE	
BY	
FINAL SURVEY	
AS BUILT	
TEMPLATE	
NOTE BOOK	
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ORIGINAL SURVEY	
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TEMPLATE	
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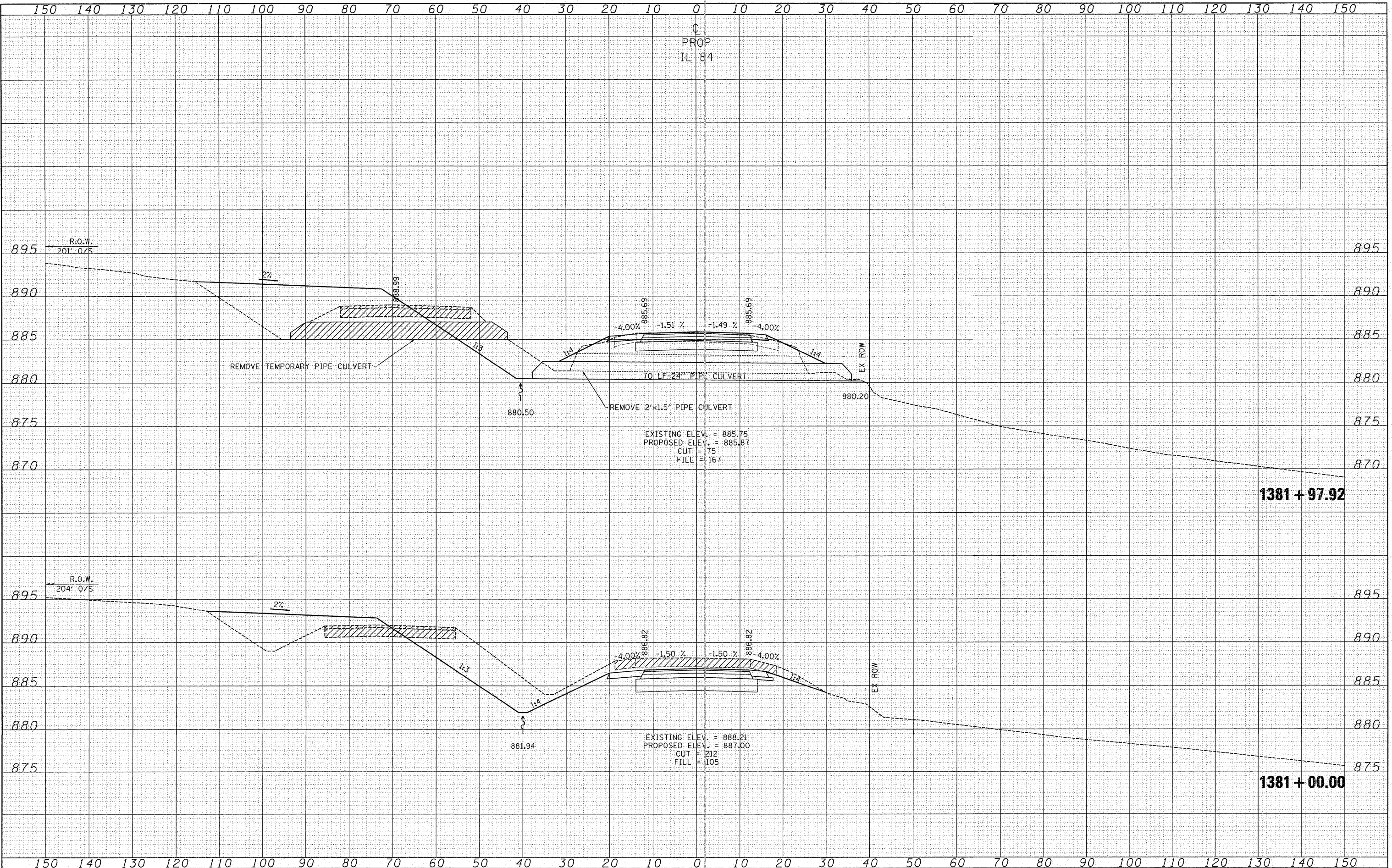
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

FINAL CROSS SECTIONS IL-84

SCALE: 10H 5V SHEET NO. 03 OF 06 SHEETS STA. 1379+00 TO STA. 1380+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	30-M-2	JoDAVIESS	81	69
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 64E29	



C
PROP
IL 84

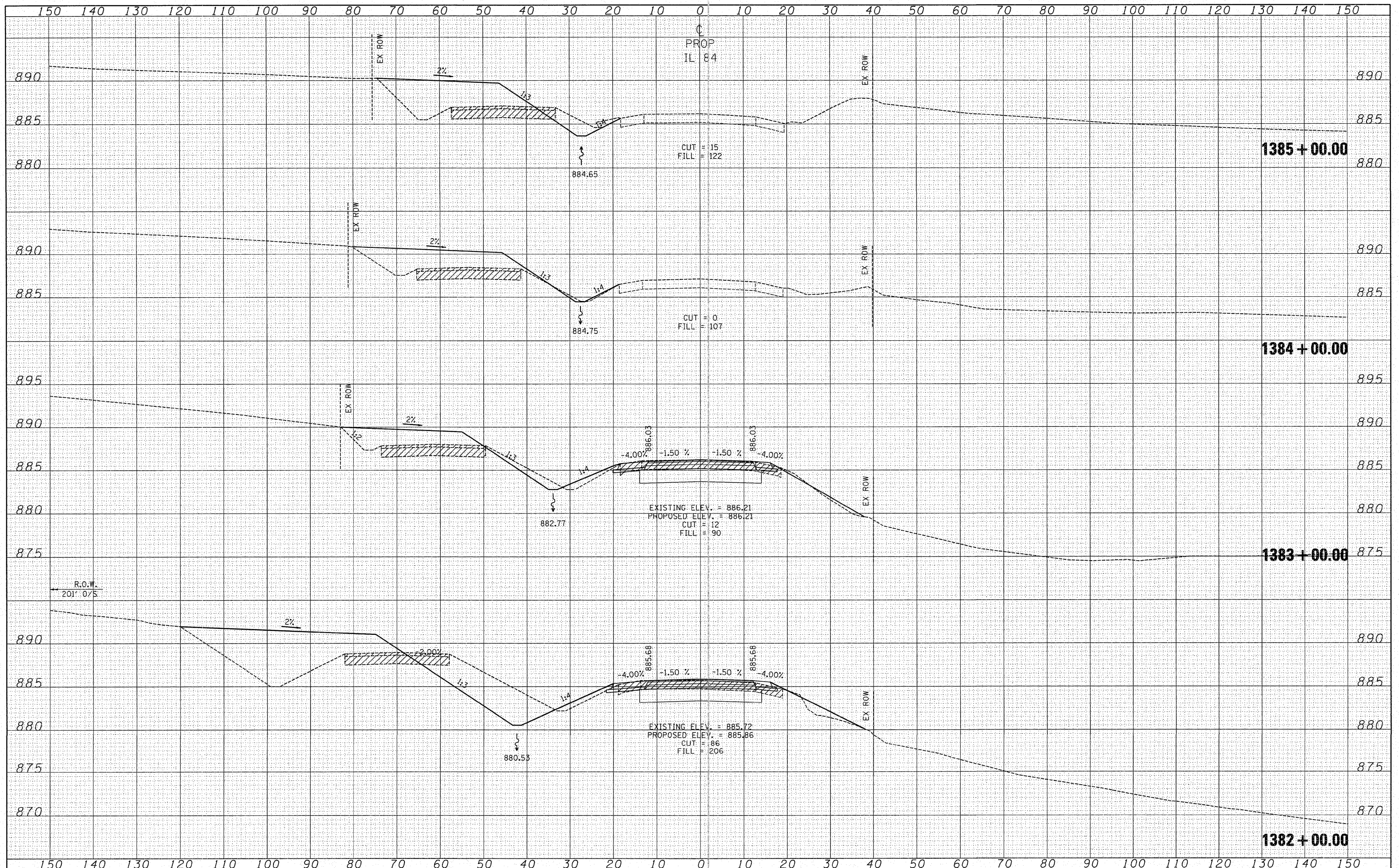
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BY	
FINAL SURVEY	
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FILE NAME =	USER NAME = IDOTCAD	DESIGNED - SPF	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FINAL CROSS SECTION IL-84				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
W:\2298-03 - US 20 IL 84 Intersection\CA00 Sheets\0208108*sh*t*xsht-84.dgn		DRAWN - AJP	REVISED -		301	30-M-2	JoDAVIESS	81	70				
PLOT SCALE = 10.0000' / IN.		CHECKED - JMS	REVISED -		SCALE: 10H 5V				SHEET NO. 04 OF 06 SHEETS				
PLOT DATE = 1/21/2009		DATE - 01/23/09	REVISED -		STA. 1381+00 TO STA. 1381+97.92				CONTRACT NO. 64E29				
												FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT	

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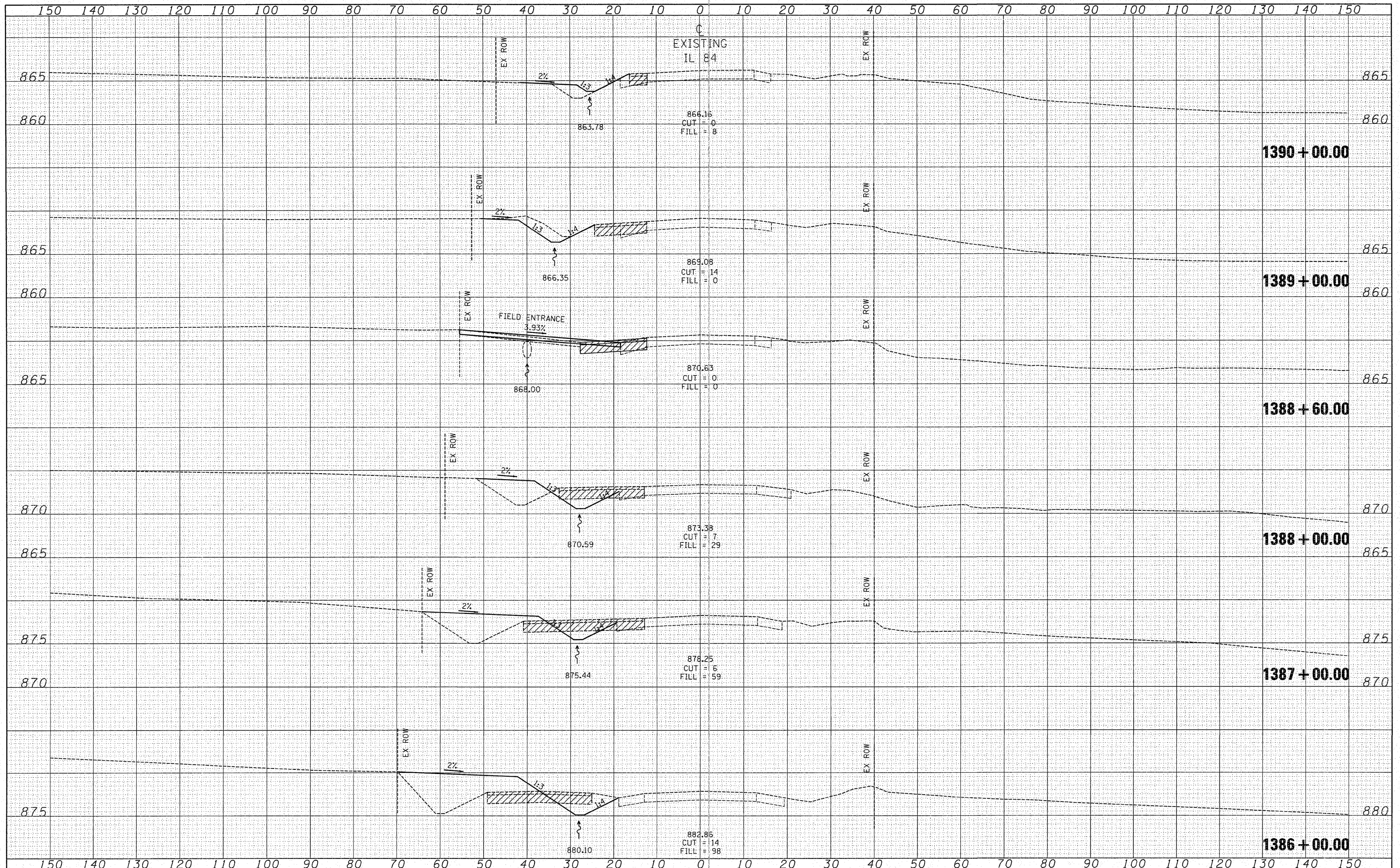
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PLOT SCALE = 10.0000 / IN.	DRAWN - AJP	CHECKED - JMS	REVISED -						301	30-M-2	JoDAVISS	81	71
PLOT DATE = 1/21/2009	DATE - 01/23/09	REVISED -	REVISED -						CONTRACT NO. 64E29				
									FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

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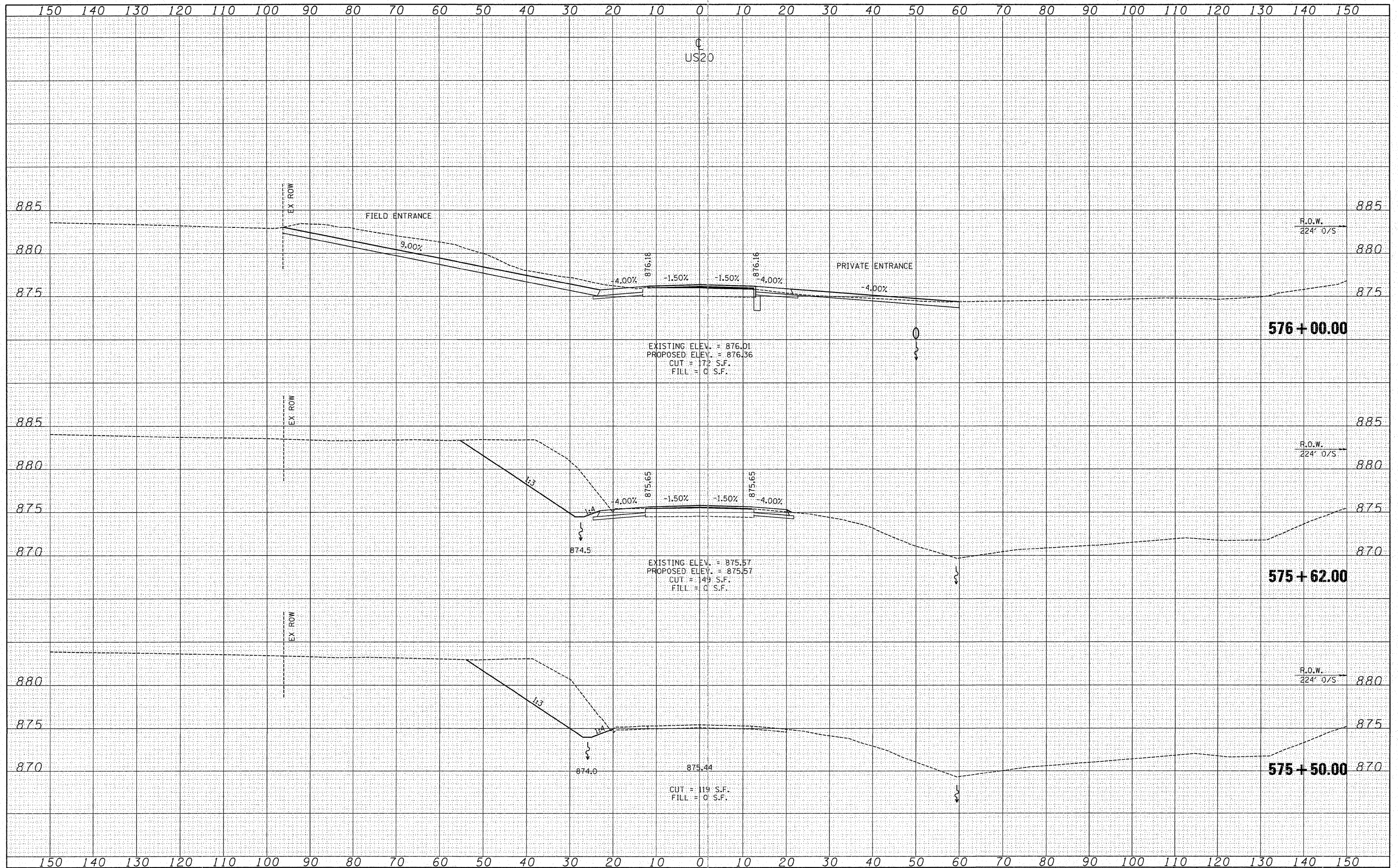
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

FINAL CROSS SECTIONS IL-84

SCALE: 10H 5V SHEET NO. 06 OF 06 SHEETS STA. 1386+00 TO STA. 1390+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	30-M-2	JoDAVISS	81	72
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 64E29	



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PLOT DATE = 1/21/2009		DATE -	01/23/09	REVISED -	

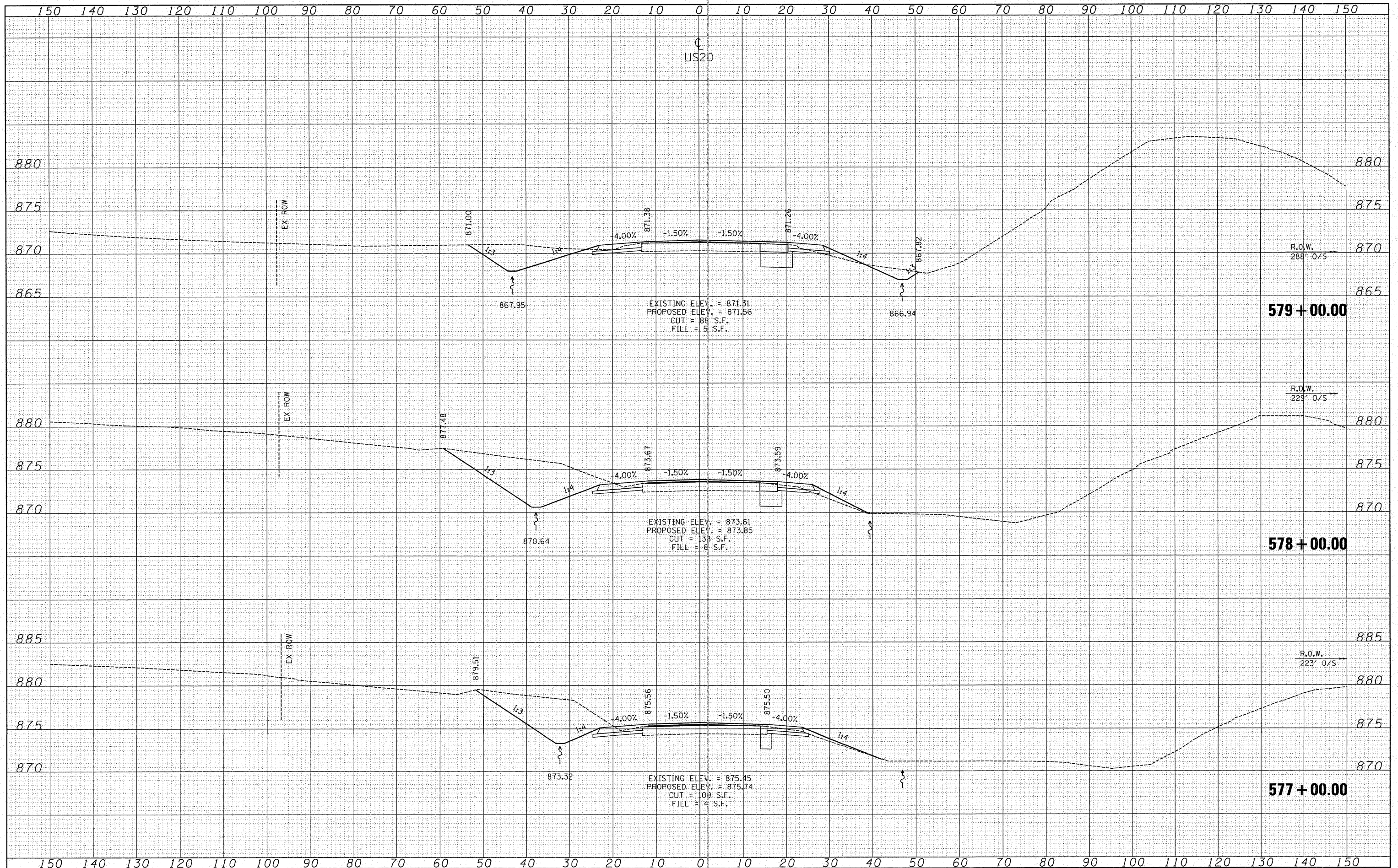
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTION US-20	
SCALE: 10H 5V	SHEET NO. 01 OF 09 SHEETS
STA. 575+50.00 TO STA. 576+00.00	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	30-M-2	JoDAVIESS	81	73
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
		CONTRACT NO. 64E29		

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FILE NAME = W:\2298-03 - US 20 IL 84 Intersection\CAAD Sheets\2298108-sht-xxsht-28.dgn

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

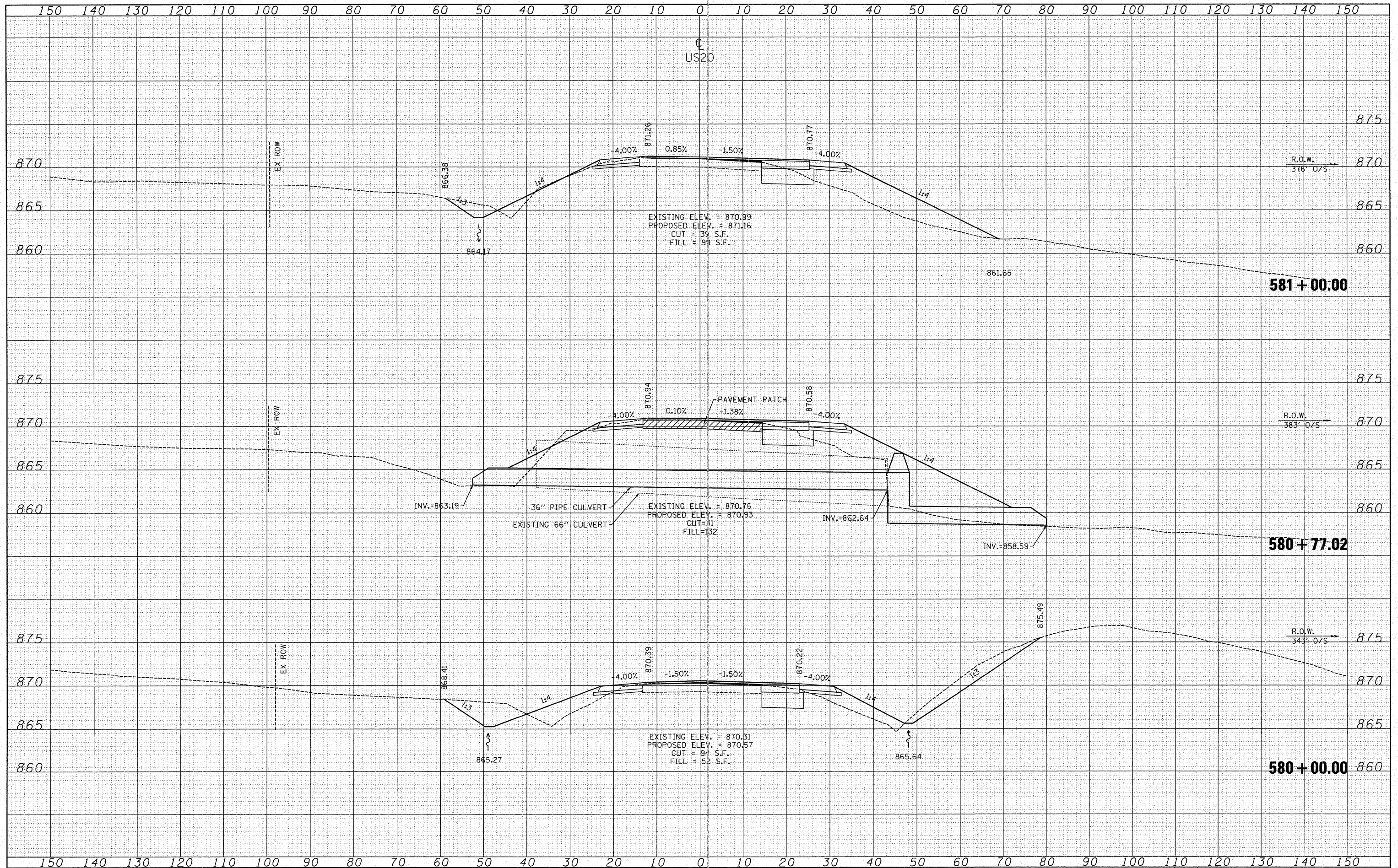
CROSS SECTION US-20

SCALE: 10H 5V SHEET NO. 02 OF 09 SHEETS STA. 577+00.00 TO STA. 579+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	30-M-2	JO DAVIESS	81	74
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 64E29	

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

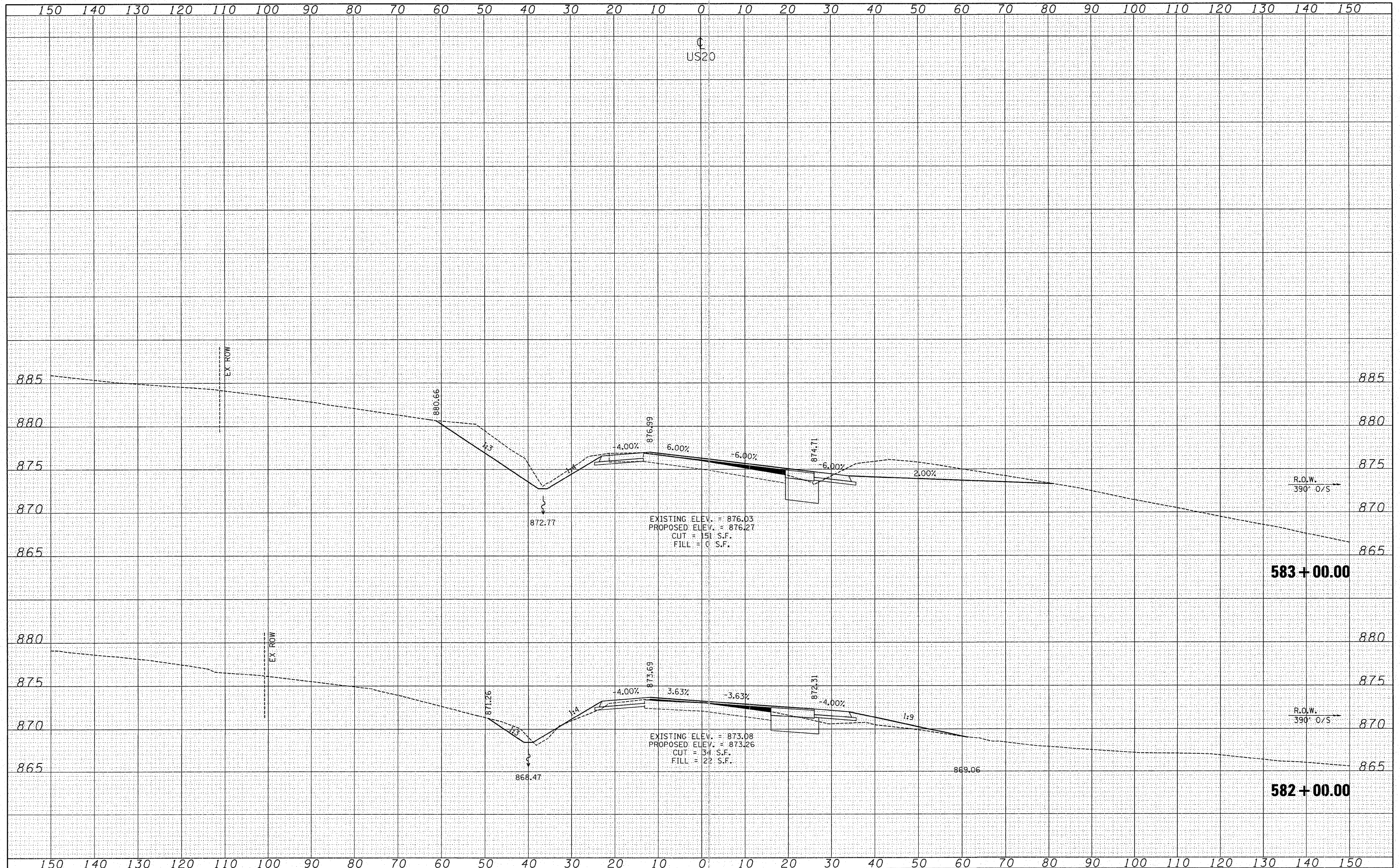
CROSS SECTIONS US-20

SCALE: 10H 5V SHEET NO. 03 OF 09 SHEETS STA. 580+00.00 TO STA. 581+00.00

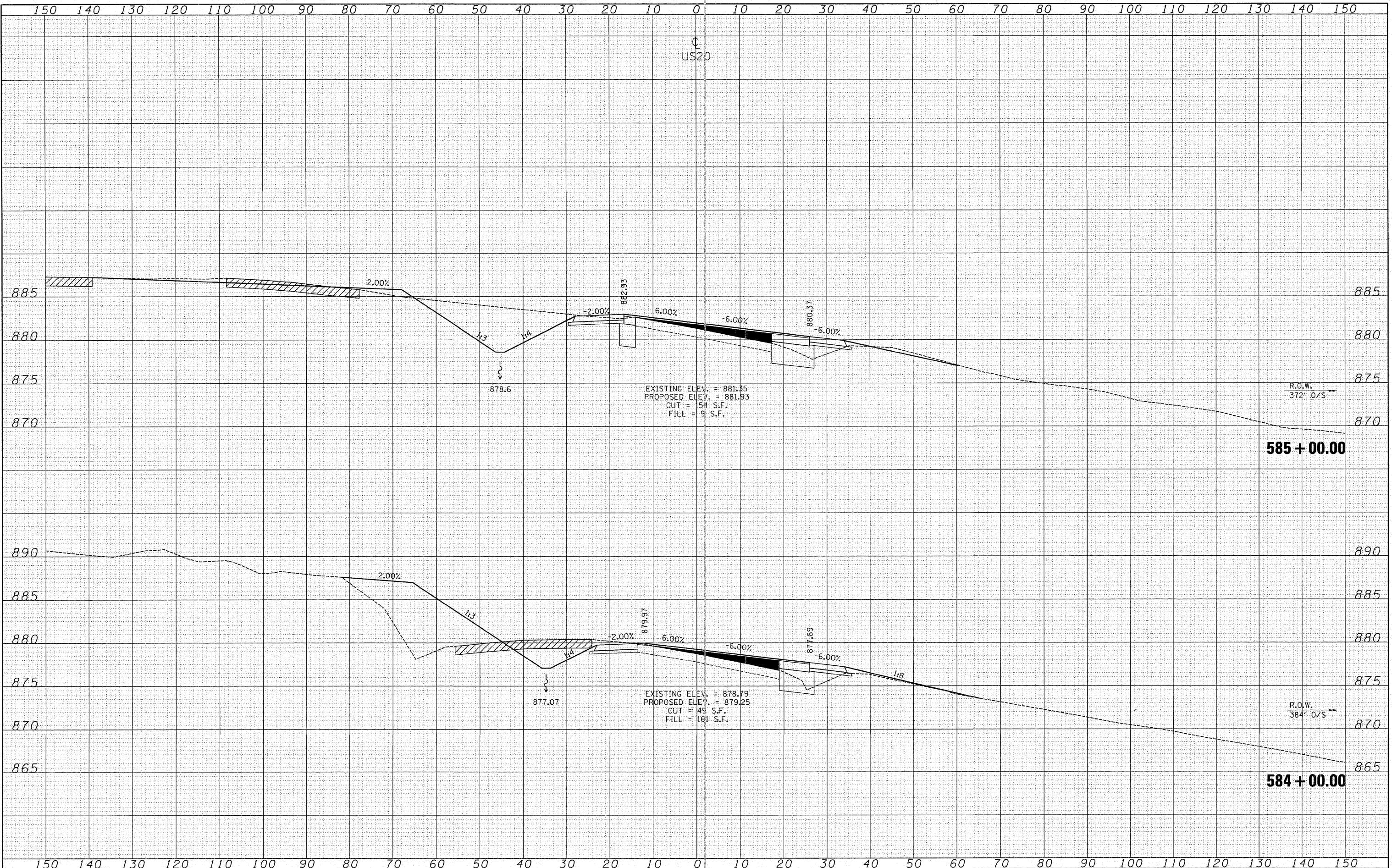
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	30-M-2	JO DAVIESS	81	75
CONTRACT NO. 64E29				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

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W:\2298-03 - US 20 IL 84 Intersection\CADD Sheets\0208108-sht-xssh-20.dgn	DRAWN - AJP	REVISIED -							301	30-M-2	JoDAVISS	81	76
PLOT SCALE = 10.0000' / IN.	CHECKED - JMS	REVISED -							CONTRACT NO. 64E39				
PLOT DATE = 1/21/2009	DATE - 01/23/09	REVISED -							FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

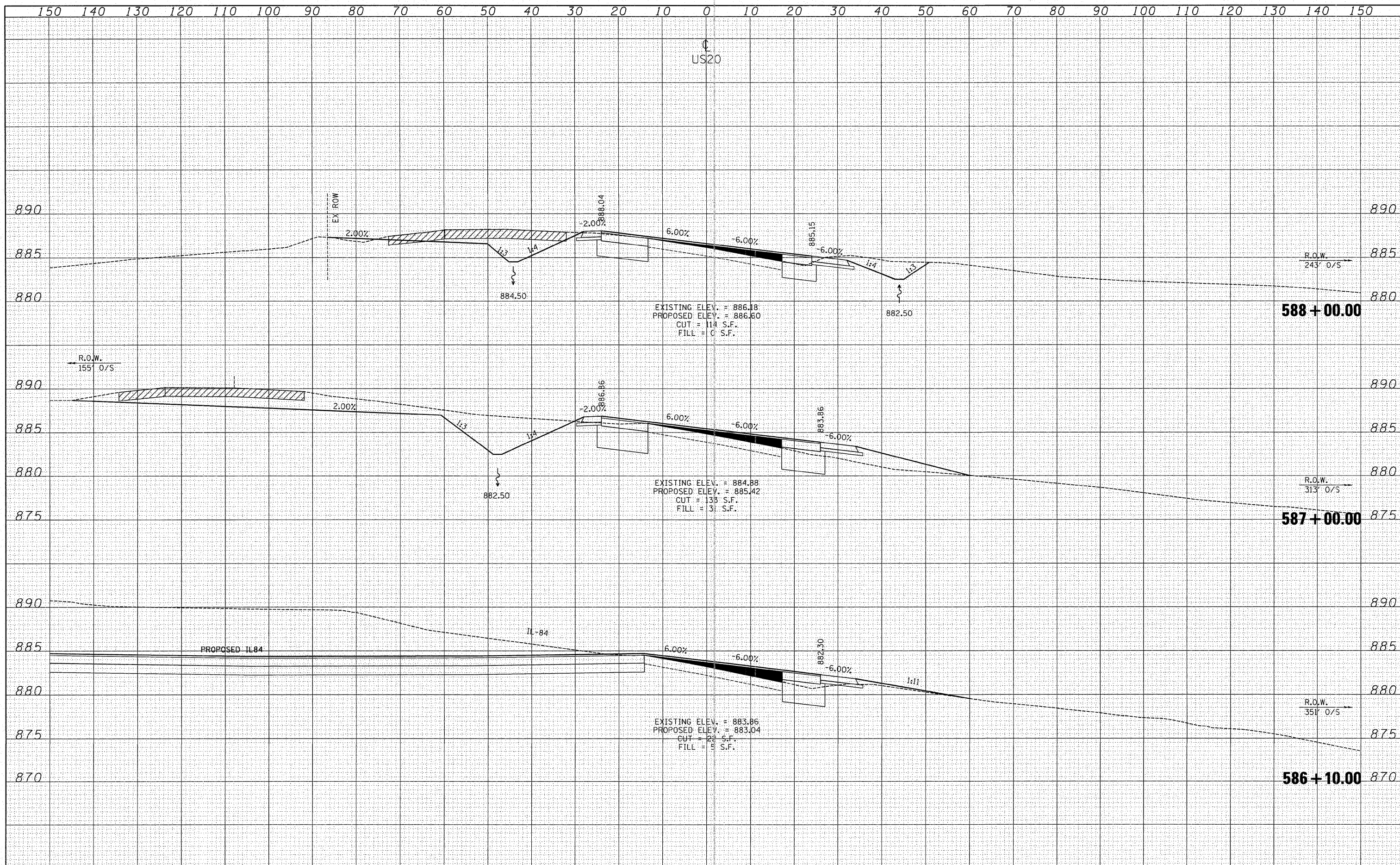
CROSS SECTIONS US-20

SCALE: 10H 5V SHEET NO. 05 OF 09 SHEETS STA. 584+00.00 TO STA. 585+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	30-M-2	JoDAVISS	81	77
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 64E29	

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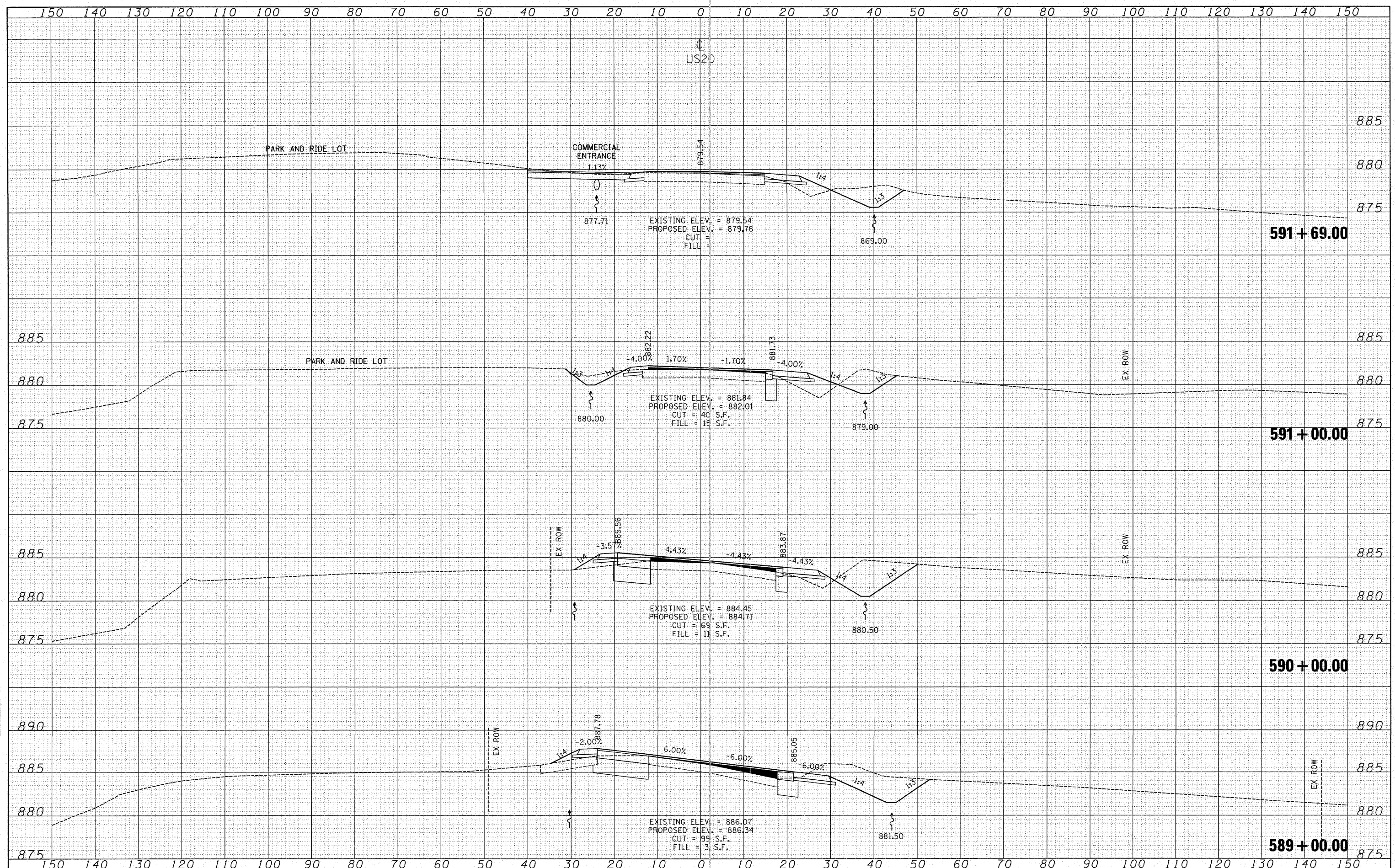
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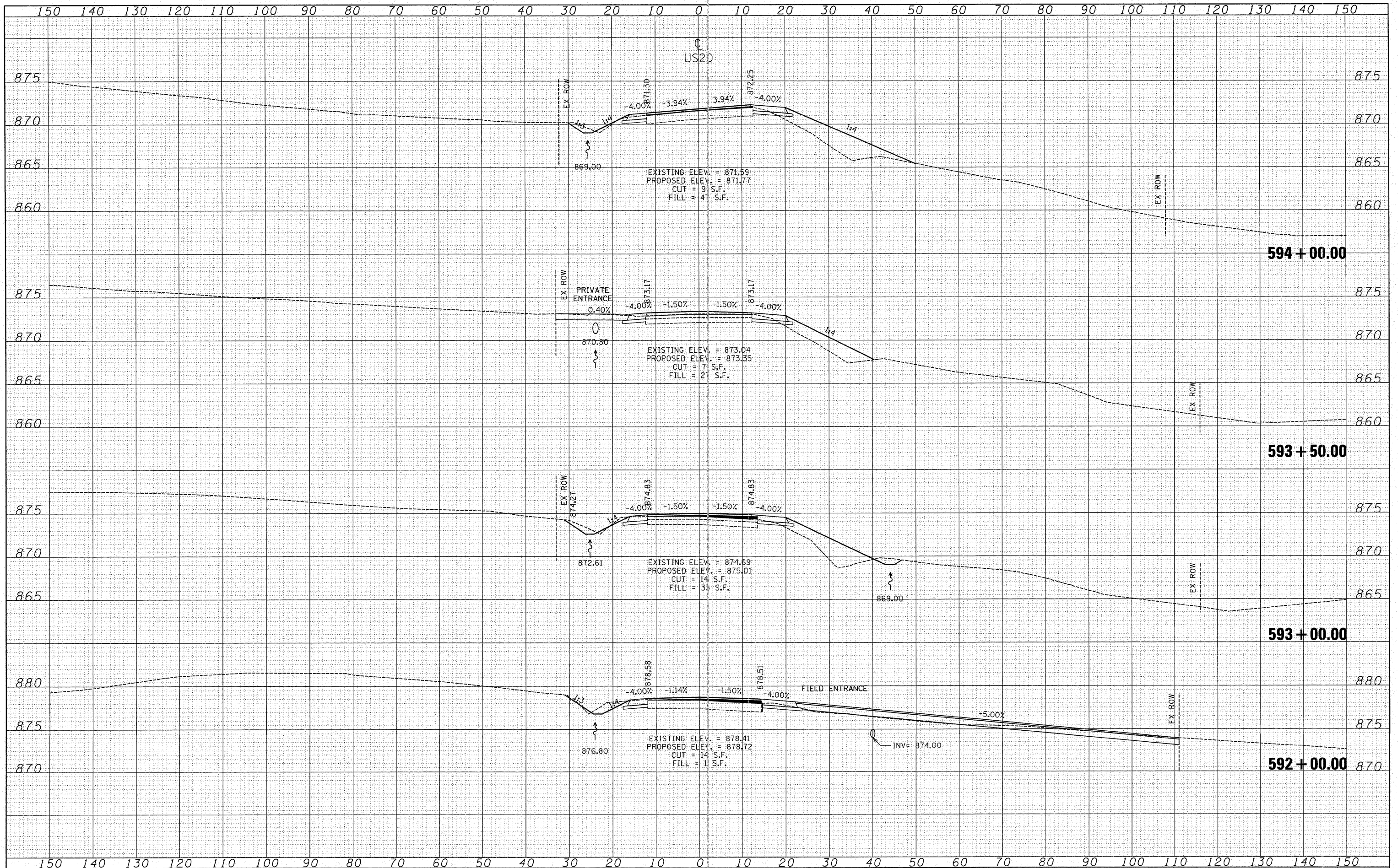
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W:\2298-03 - US 20 IL 84 Intersection\CADD Sheets\0208108-shr-xssht-20.dgn		DRAWN -	AJP	REVISED -							301	30-M-2	JoDAVISS	81	78
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PLOT DATE = 1/21/2009		DATE -	01/23/09	REVISED -							FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

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PLOT SCALE = 10.0000' / IN.	CHECKED - JMS	REVISED -	REVISED -						
PLOT DATE = 1/21/2009	DATE - 01/23/09	REVISED -	REVISED -						
					F.A.P. RTE. 301	SECTION 30-M-2	COUNTY JO DAVIESS	TOTAL SHEETS 81	SHEET NO. 79
					CONTRACT NO. 64E29				
					ILLINOIS FED. AID PROJECT				



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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

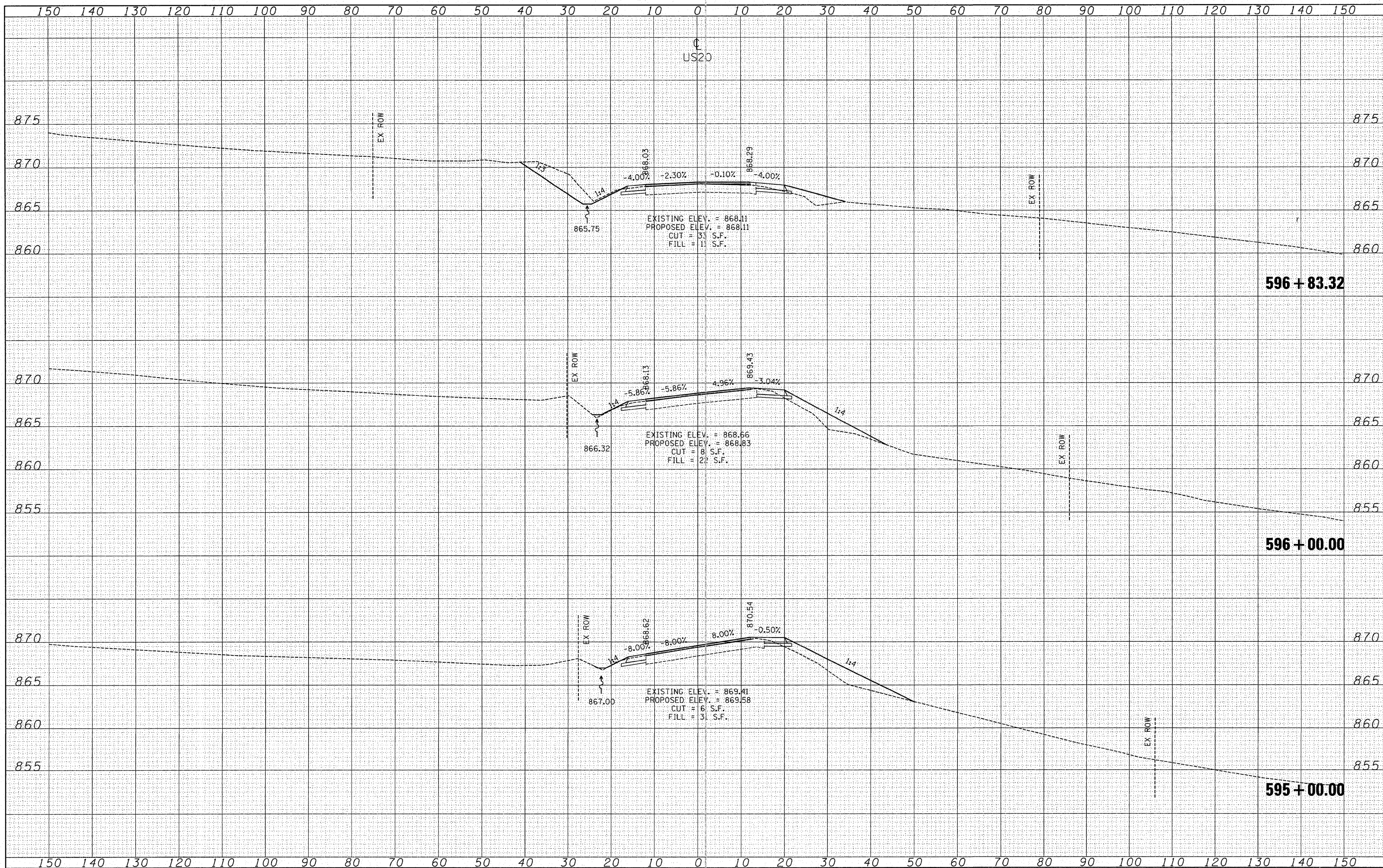
CROSS SECTIONS US-20

SCALE: 10H 5V SHEET NO. 08 OF 09 SHEETS STA. 592+00.00 TO STA. 594+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	30-M-2	JoDAVISS	81	80
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 64E29	

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W:\2298-83 - US 20 IL 84 Intersection\CADD Sheets\208108-ah-t-xsh-t-28.dgn	DRAWN - AJP	REVISED -	301			30-M-2	JoDAVISS	81	81	
PLOT SCALE = 10.0000 / IN.	CHECKED - JMS	REVISED -	CONTRACT NO. 64E29							
PLOT DATE = 1/21/2009	DATE - 01/23/09	REVISED -	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT							
SCALE: 10H 5V						SHEET NO. 09 OF 09 SHEETS		STA. 595+00.00 TO STA. 596+83.32		