

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	(40R)T	WINNEBAGO	67	1
FED. ROAD DIST. NO.	ILLINOIS	CONTRACT NO. 64C65		

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

**PROPOSED  
HIGHWAY PLANS**

FAP ROUTE 303 (US BUS 20)  
SECTION (40R)T  
PROJECT ACNHF-0303(041)  
WINNEBAGO COUNTY  
C-92-101-08

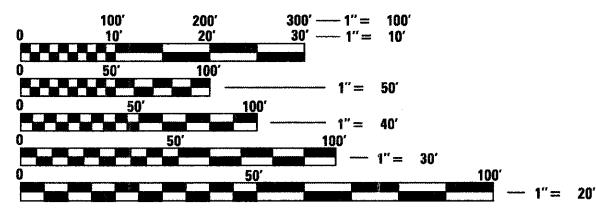
FOR INDEX OF SHEETS, SEE SHEET NO. 2  
FOR STATE STANDARDS, SEE SHEET NO. 2

EXISTING: SN 101-1008  
PROPOSED: SN 101-1079  
STA 73+70.09 - REMOVE EXISTING  
12' X 5' BOX CULVERT (87'-2") AND  
CONSTRUCT A PRECAST 2-CELL  
12' X 4' BOX CULVERT (96'-0")

D-92-114-06



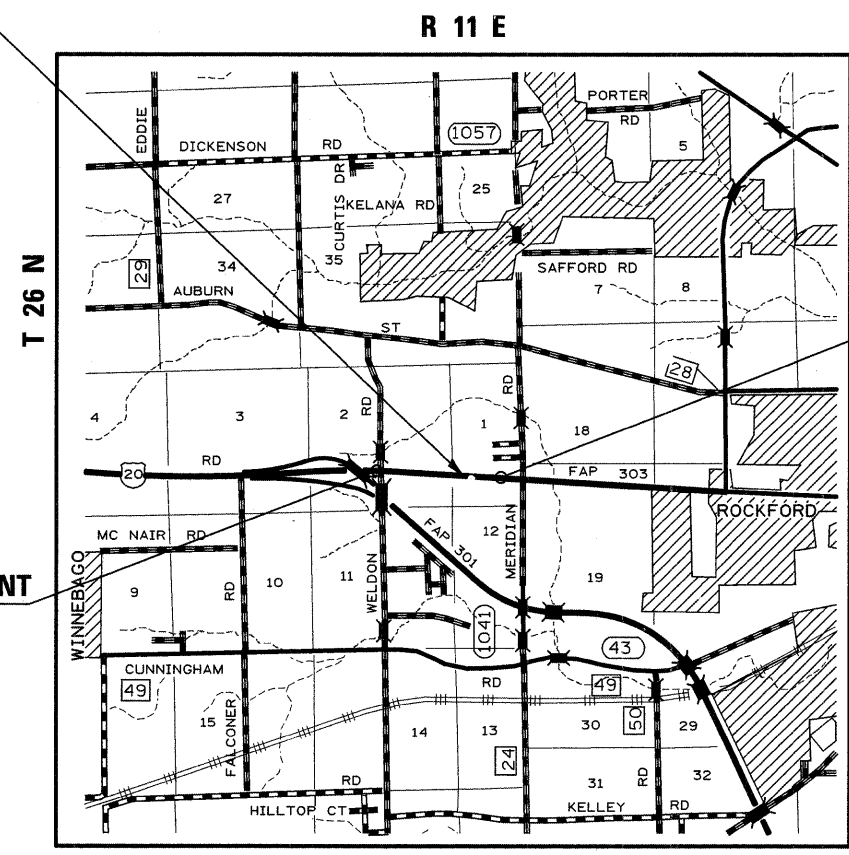
WINNEBAGO TOWNSHIP  
SECTIONS 1 - 2



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  
SENIOR SQUAD LEADER: SAMEER ABDULLAH (815)284-5935  
STUDIES & PLANS SQUAD ENGINEER: COREY CONDERMAN (815)284-5936  
CONTRACT NO. 64C65



SECTION & IMPROVEMENT  
BEGINS STA 37+64.98

SECTION & IMPROVEMENT  
ENDS STA 83+00

GROSS LENGTH OF PROJECT = 4535.02 FEET = 0.86 MILE  
NET LENGTH OF PROJECT = 4535.02 FEET = 0.86 MILE

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

SUBMITTED August 5 20 08  
Deputy Director of Highways, Region Engineer  
December 5 20 08  
Eric E. Harrel  
Interim Engineer of Design and Environment  
December 5 20 08  
Christine M. Reed  
Director of Highways, Chief Engineer

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OF THE STATE OF ILLINOIS

# INDEX OF SHEETS AND STATE STANDARDS

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## STATE STANDARDS

000001-05	STANDARD SYMBOLS , ABBREVIATIONS, AND PATTERNS
001001-01	AREAS OF REINFORCEMENT BARS
280001-04	TEMPORARY EROSION CONTROL SYSTEMS
420001-07	PAVEMENT JOINTS
442201-03	CLASS C AND D PATCHES
515001-02	NAME PLATES FOR BRIDGES
542401	METAL END SECTION FOR PIPE CULVERTS
606001-03	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
606006-01	OUTLETS FOR CONCRETE CURB AND GUTTER, TYPE B-15.60 (B-6.24)
606301-03	PC CONCRETE ISLANDS AND MEDIANS
635001	DELINEATORS
666001	RIGHT-OF-WAY MARKERS
667101	PERMANENT SURVEY MARKERS
701101-01	OFF ROAD OPERATIONS, MULTILANE, 4.5m (15') TO 600mm (24") FROM PAVEMENT EDGE
701422-01	LANE CLOSURE, MULTILANE, FOR SPEEDS $\geq$ 45 MPH TO 55 MPH
701426-02	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATION, FOR SPEEDS $\geq$ 45 MPH
701431-04	LANE CLOSURE, MULTILANE, UNDIVIDED WITH CROSSOVER, FOR SPEEDS $\geq$ 45 MPH TO 55 MPH
701901	TRAFFIC CONTROL DEVICES
704001-04	TEMPORARY CONCRETE BARRIER
720011	METAL POSTS FOR SIGNS, MARKERS AND DELINEATORS
728001	TELESCOPING STEEL SIGN SUPPORT
729001	APPLICATIONS OF TYPE A AND B METAL POSTS (FOR SIGNS AND MARKERS)
780001-01	TYPICAL PAVEMENT MARKINGS
781001-02	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS

FILE NAME = c:\projects\p211406\d11406cvr.dgn	USER NAME = polzinej	DESIGNED -	REVISED - 10-10-06	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>INDEX OF SHEETS - STATE STANDARDS</b>	F.A.P. RTE. 303	SECTION (40R)T	COUNTY WINNEBAGO	TOTAL SHEETS 67	SHEET NO. 2
PLOT SCALE = 50.0000' / IN.				SCALE: SHEET NO. OF SHEETS STA. TO STA.		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT CONTRACT NO. 64C65				
PLOT DATE = Mon Aug 04 11:44:19 2008										

# SUMMARY OF QUANTITIES

CODE NUMBER	ITEM	UNIT	URBAN	I000-2A	Y007
			TOTAL QUANTITY	80% FED 20% STATE	80% FED 20% STATE (SN 101-1079)
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	8		8
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	33		33
20100500	TREE REMOVAL, ACRES	ACRE	0.1		0.1
20200100	EARTH EXCAVATION	CU YD	1,202		1,202
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	228		228
* 25000210	SEEDING, CLASS 2A	ACRE	1.0		1.0
■* 25000750	MOWING	ACRE	1.0		1.0
25100630	EROSION CONTROL BLANKET	SQ YD	4,840		4,840
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	400		400
28000300	TEMPORARY DITCH CHECKS	EACH	10		10
28000400	PERIMETER EROSION BARRIER	FOOT	150		150
28000500	INLET AND PIPE PROTECTION	EACH	4		4
28100107	STONE RIPRAP, CLASS A4	SQ YD	67		67
28200200	FILTER FABRIC	SQ YD	67		67
35101400	AGGREGATE BASE COURSE, TYPE B	TON	51	51	
40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	17.5	17.5	
40600300	AGGREGATE (PRIME COAT)	TON	44.3	44.3	
40600525	LEVELING BINDER (HAND METHOD), N50	TON	28	28	
40600625	LEVELING BINDER (MACHINE METHOD), N50	TON	1,653	1,653	
40600990	TEMPORARY RAMP	SQ YD	268	268	

■ NP 100% STATE  
\* SPECIALTY ITEM

# SUMMARY OF QUANTITIES

CODE NUMBER	ITEM	UNIT	URBAN		I000-2A		Y007	
			TOTAL QUANTITY	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE (SN 101-1079)		
40601005	HOT-MIX ASPHALT REPLACEMENT OVER PATCHES	TON	340	340				
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	85	85				
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	2,480	2,480				
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	19	19				
44000158	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"	SQ YD	29,009	29,009				
44000196	HOT-MIX ASPHALT SURFACE REMOVAL, SPECIAL	SQ YD	512	512				
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	200	200				
44002224	HOT-MIX ASPHALT REMOVAL OVER PATCHES, 6"	SQ YD	1,011	1,011				
44003100	MEDIAN REMOVAL	SQ FT	25,651	25,651				
44200120	PAVEMENT PATCHING, TYPE II, 10 INCH	SQ YD	131	131				
44200124	PAVEMENT PATCHING, TYPE III, 10 INCH	SQ YD	40	40				
44201359	CLASS C PATCHES, TYPE IV, 10 INCH	SQ YD	434	434				
48101200	AGGREGATE SHOULDERS, TYPE B	TON	84	84				
48203023	HOT-MIX ASPHALT SHOULDERS, 6 1/2"	SQ YD	1,017	1,017				
50100300	REMOVAL OF EXISTING STRUCTURES NO. 1	EACH	1				1	
50104400	CONCRETE HEADWALL REMOVAL	EACH	4	4				
51500100	NAME PLATES	EACH	1				1	
54001001	BOX CULVERT END SECTION, CULVERT NO. 1	EACH	2				2	
54011204	PRECAST CONCRETE BOX CULVERT 12' X 4'	FOOT	204				204	
542D0220	PIPE CULVERTS, CLASS D, TYPE 1 15"	FOOT	56	56				

# SUMMARY OF QUANTITIES

CODE NUMBER	ITEM	UNIT	URBAN	I000-2A	Y007
			TOTAL QUANTITY	80% FED 20% STATE	80% FED 20% STATE (SN 101-1079)
542D0223	PIPE CULVERTS, CLASS D, TYPE 1 18"	FOOT	56	56	
54213450	END SECTIONS 15"	EACH	2	2	
54213453	END SECTIONS 18"	EACH	2	2	
54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	EACH	4	4	
550A0050	STORM SEWER, CLASS A, TYPE 1 12"	FOOT	28	28	
550A0410	STORM SEWERS, CLASS A, TYPE 2 24"	FOOT	15		15
60600095	CLASS SI CONCRETE (OUTLET)	CU YD	3.5	3.5	
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	260	260	
60618300	CONCRETE MEDIAN SURFACE, 4 INCH	SQ FT	21,359	21,359	
60618750	CONCRETE MEDIAN, TYPE M-4.06	SQ FT	225	225	
61100500	EXPLORATION TRENCH 52" DEPTH	FOOT	10		10
61133100	FIELD TILE JUNCTION VAULTS, 2' DIA.	EACH	1		1
63200310	GUARDRAIL REMOVAL	FOOT	138		138
63500105	DELINEATORS	EACH	2		2
66600105	FURNISHING AND ERECTING RIGHT-OF-WAY MARKERS	EACH	10		10
66700305	PERMANENT SURVEY MARKERS, TYPE II	EACH	1	1	
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	6	
67100100	MOBILIZATION	L SUM	1	1	
70100320	TRAFFIC CONTROL AND PROTECTION, STANDARD 701422	L SUM	1	1	
70100400	TRAFFIC CONTROL AND PROTECTION, STANDARD 701431	EACH	2		2

# SUMMARY OF QUANTITIES

CODE NUMBER	ITEM	UNIT	URBAN	1000-2A	Y007
			TOTAL QUANTITY	80% FED 20% STATE	80% FED 20% STATE (SN 101-1079)
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	15		15
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	3,724	3,724	
70300520	PAVEMENT MARKING TAPE, TYPE III 4"	FOOT	13,766	13,766	
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	4,907	4,907	
70400100	TEMPORARY CONCRETE BARRIER	FOOT	340		340
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	230		230
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	47	47	
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	20,250	20,250	
* 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	250	250	
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	48	48	
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	124	124	
78300100	PAVEMENT MARKING REMOVAL	SQ FT	1,503	1,503	
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	124	124	
* A2006514	TREE, QUERCUS BICOLOR (SWAMP WHITE OAK), 1-3/4" CALIPER, BALLED AND BURLAPPED	EACH	31	31	
X0323988	TEMPORARY SOIL RETENTION SYSTEM	SQ FT	865		865
X0712400	TEMPORARY PAVEMENT	SQ YD	1,897	1,897	
X0919000	TEMPORARY PAVEMENT REMOVAL	SQ YD	1,897	1,897	
X6064201	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-4.06	FOOT	3,742	3,742	
Z0005400	BREAKER-RUN CRUSHED STONE	TON	434		434
Z0013798	CONSTRUCTION LAYOUT	L SUM	1		1
Z0024476	FLEXIBLE DELINEATOR MAINTENANCE	EACH	5		5
Z0028415	GEOTECHNICAL REINFORCEMENT	SQ YD	171	171	

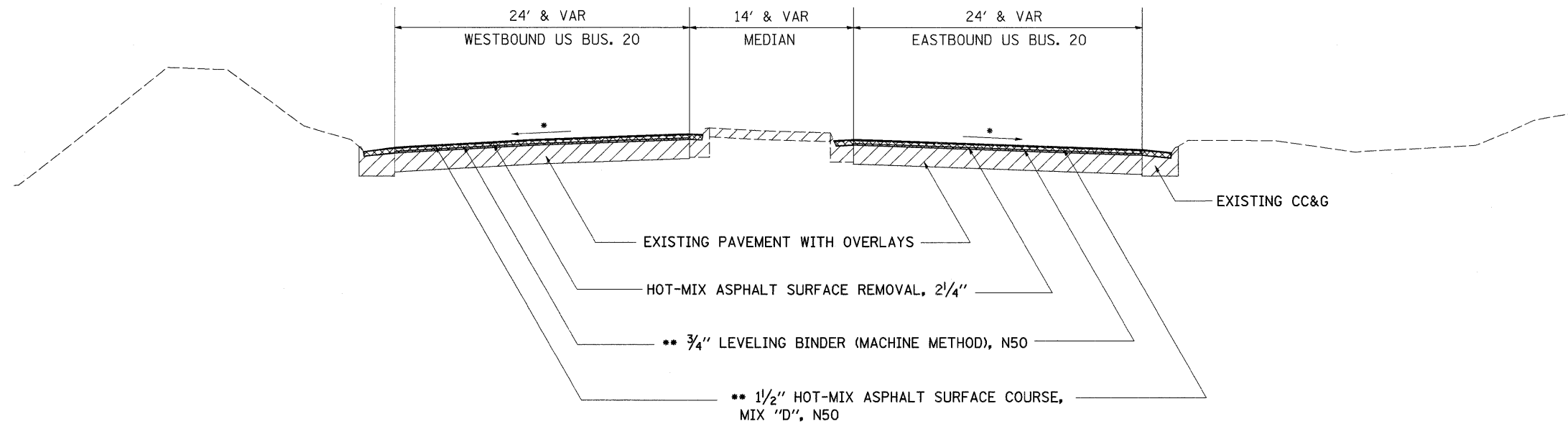
\* SPECIALTY ITEM



# TYPICAL SECTIONS

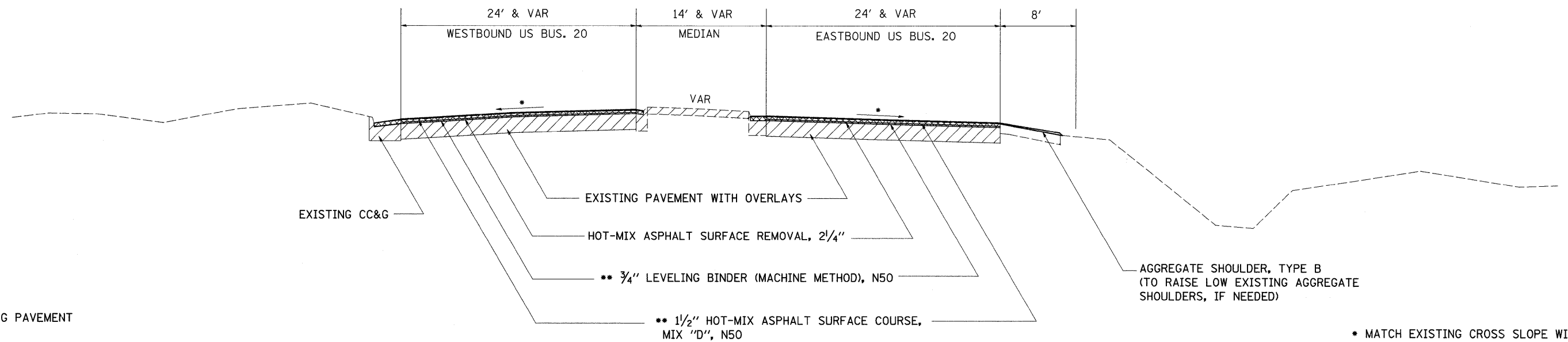
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

STA 38+87 - STA 51+58



## PROPOSED US BUS. 20 TYPICAL

STA 51+58 - STA 62+56.43



-  EXISTING PAVEMENT
-  PAVEMENT REMOVAL

- \* MATCH EXISTING CROSS SLOPE WITH MINIMUM OF 1/8" PER FOOT
- \*\* 112 LBS/SQ YD/IN

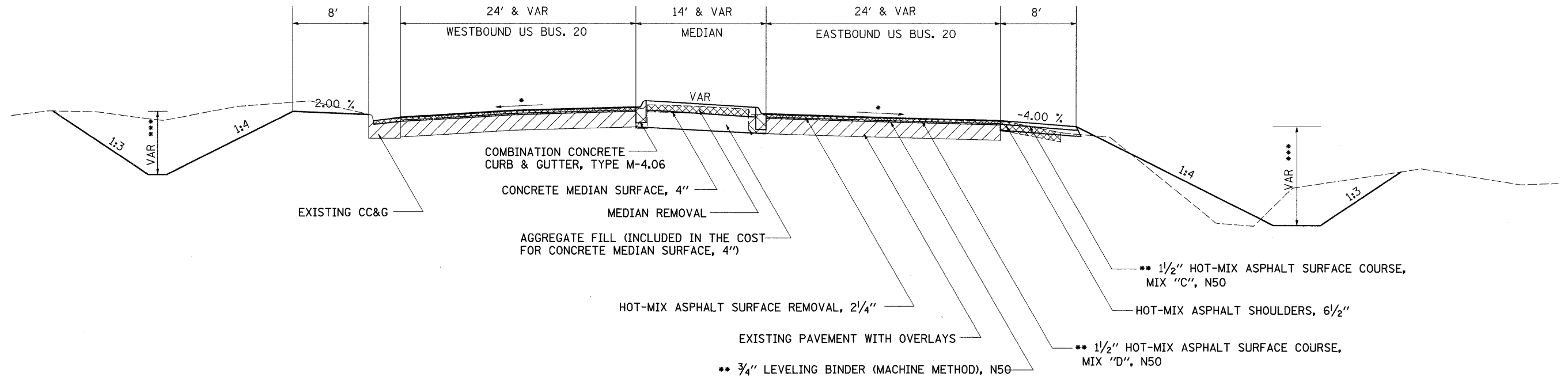
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PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED -	REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	CONTRACT NO. 64C65			
PLOT DATE = Mon Aug 04 14:53:31 2008	DATE -	REVISED -	REVISED -		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT								



# TYPICAL SECTIONS

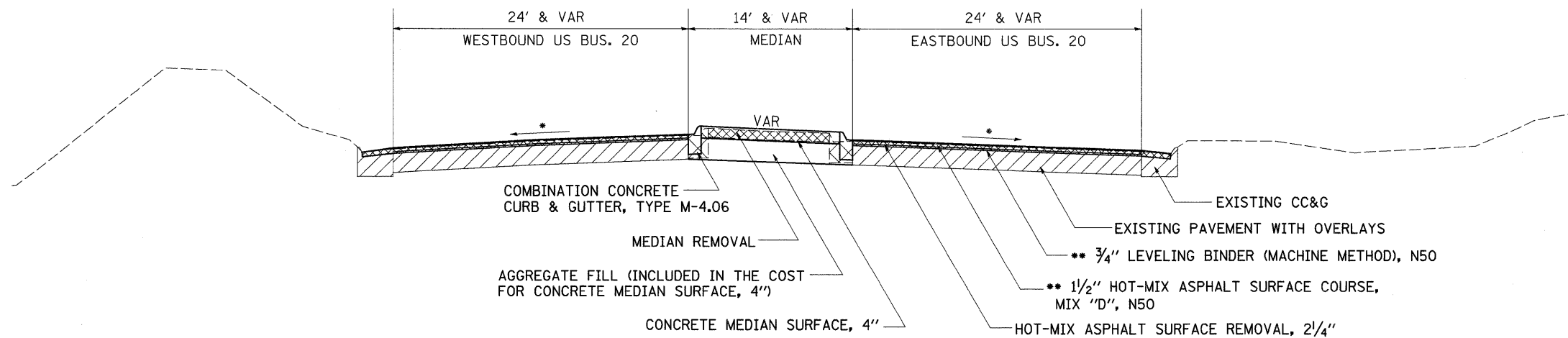
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

STA 62+56.43 - STA 74+09



## PROPOSED US BUS. 20 TYPICAL

STA 74+09 - STA 83+00



-  EXISTING PAVEMENT
-  PAVEMENT REMOVAL

- \* MATCH EXISTING CROSS SLOPE WITH MINIMUM OF 1/8" PER FOOT
- \*\* 112 LBS/SQ YD/IN
- \*\*\* RT DITCH STA 64+50 - 76+00  
LT STA 71+00 - 73+70.09

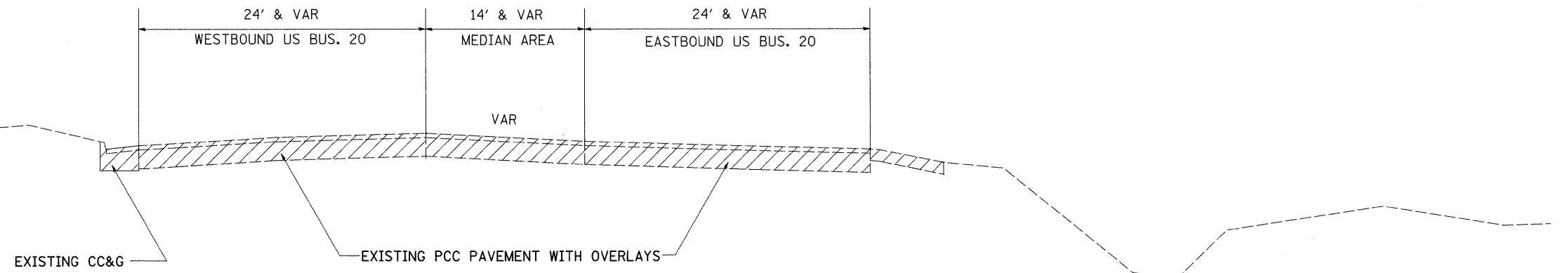
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	PLOT SCALE = 50.0000' / IN.	DRAWN -	REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	CONTRACT NO. 64C65			
	PLOT DATE = Mon Aug 04 14:53:31 2008	CHECKED -	REVISED -		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT								
		DATE -	REVISED -										



# TYPICAL SECTIONS

## CROSS OVER TYPICAL

- \* STA 37+20 - STA 38+87
- STA 43+31 - STA 44+40
- STA 49+50 - STA 50+56
- STA 56+52 - STA 58+00
- STA 63+84 - STA 64+88
- STA 71+87 - STA 72+90
- STA 82+57 - STA 83+00
- \* INTERSECTION WITH US 20 AND WELDON ROAD



-  EXISTING PAVEMENT
-  PAVEMENT REMOVAL

\* MATCH EXISTING CROSS SLOPE WITH  
MINIMUM OF 1/8" PER FOOT  
\*\* 112 LBS/SQ YD/IN

FILE NAME = c:\projects\p211406\dl1406typ.dgn	USER NAME = polzinej	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TYPICAL SECTIONS</b>				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
		DRAWN -	REVISED -		SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.	303	(40R)T	WINNEBAGO	67	11
		PLOT SCALE = 50.0000' / IN.	CHECKED -		REVISED -										
		PLOT DATE = Mon Aug 04 14:53:31 2008	DATE -		REVISED -										
											FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	CONTRACT NO. 64C65	

# GENERAL NOTES

ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 303 (US Bus 20)	(40R)T	Winnebago	67	12
FED ROAD DIST. NO.	ILLINOIS	PROJECT		
Contract #64C65				

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 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.

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.

Fertilizer Nutrients shall be applied at the rate specified in Sections 250 and 252 of the Standard Specifications. This shall be included in the cost of the SEEDING.

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.

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.

When laying out for patching, the minimum distance between new patches (saw cut to saw cut) shall be 4.6 m (15 feet). When patch spacing is less than 4.6 m (15 feet), the pavement between patches shall also be removed and replaced.

The existing hot-mix asphalt surface on private and commercial entrances shall be bladed off or milled and disposed of outside the project limits. The cost of the blading, milling, rolling, and disposal is included in the contract unit price for INCIDENTAL HOT-MIX ASPHALT SURFACING.

The following Mixture Requirements are applicable for this project:

Mixture Uses(s):	Surface	Level Binder	Top Shoulder	Bottom Shoulder	Surface Course, Special (Temporary Pavement)	Binder (Bit. over Patches)
PG:	PG 64-22	PG 64-22	PG 58-22	PG 58-22	PG 58-22	PG 64-22
Design Air Voids	4.0 @ N50	4.0 @ N50	3.0 @ N50	2 @ N50	3.0 @ N50	4.0 @ N50
Mixture Composition (Gradation Mixture)	IL 9.5 or 12.5	IL 9.5	IL 9.5 or 12.5	BAM	IL 9.5 or 12.5	IL 19.0
Friction Aggregate	D	N/A	C	N/A	C	N/A
20 Year ESAL	1.0	1.0	N/A	N/A	N/A	1.0
Mix Unit Weight	112 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.

A Nationwide 404 Permit has been issued for this project and the conditions of that permit must be adhered to.

The new number for this structure will be 101-1079.

The contractor shall submit four copies of the required shop drawings for review and approval to the Bureau of Bridges and Structures, 2300 South Dirksen Parkway, Springfield, IL 62764. After approval of initial submittal, the contractor shall submit one set of shop drawings to Dave Lippert, Engineer of Materials, 126 East Ash Street, Springfield, IL 62706, and eight (8) sets of shop drawings to be distributed to:

- District 2 District Engineer (1)
- Fabricator (1)
- Contractor (2)
- Resident Engineer (2)
- District 2 Bureau of Materials (2)

The boring logs for this structure indicate that groundwater levels may encroach on the construction limits of this culvert. It shall be the responsibility of the contractor to control the ground water and divert the stream flow during construction in order to keep the construction area free of water. The method of controlling the water shall be subject to approval of the Engineer and the cost shall be included in the contract unit price for Precast Concrete Box Culverts.

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.

Box culverts that are stage constructed and undercut by more than 600 mm (2 feet) shall have lean concrete placed on the rock fill at the stage line. The concrete shall retain the rock fill until the second stage rock fill is placed. This work will be included in the pay item for the type of rock fill used.

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.

If, during the grinding or resurfacing operations, the existing mailboxes become a hindrance, the Contractor shall be required to carefully remove and reinstall the mailboxes as directed by the Engineer. This work shall be included in the contract unit price for the INCIDENTAL HOT-MIX ASPHALT SURFACING.

Program #5  
(Arch. Size)  
Enlarge  
200%  
Enlarge 107%

# GENERAL NOTES

ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 303 (US Bus 20)	(40R)T	Winnebago	67	13
FED ROAD DIST. NO.	ILLINOIS	PROJECT		
Contract #64C65				

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.

The Contractor shall install 450 mm (18") diameter formed openings in the Concrete Median Surface, spaced at intervals no greater than 75 m (250 feet), and/or as directed by the Engineer. All existing pavement surfaces or other existing obstructions beneath these openings shall be removed by the Contractor. After the median is in place, core each opening down 1.2 m (4') and fill with dirt. All costs incurred shall be included in the contract unit price per Square Meter (Square Foot) for P.C. CONCRETE MEDIAN SURFACE, 100 mm (4 INCH).

The cost of making sewer connections to existing drainage structures shall be included in the various contract unit prices for STORM SEWER.

The cost of removing existing Storm Sewer during the installation of new storm sewers shall be included in the contract unit price for the STORM SEWER being installed.

Where field tile is encountered, storm sewer or pipe drain will be used in accordance with Section 611. The minimum size for replacement will be 150 mm (6") for Pipe Drains and 200 mm (8") for Storm Sewer, but the size must be at least 50 mm (2") larger than the adjoining tile. A Field Tile Junction Vault will be constructed at the right of way to connect the tile and storm sewer. See the Summary of Quantities for the estimated quantities.

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 Highway Standard 667101.

The Contractor shall submit to the Engineer a description of location, elevation, and coordinates for each permanent survey marker. The Engineer shall submit this information to the Survey Crew.

Tree planting layout shall be performed by the District Landscape Architect. Mulch shall be placed 4" thick in a 5 foot diameter around the tree. The mulch shall be hardwood wood chips placed on weed barrier fabric. This work shall be included in the cost of the tree.

All gutter outlets shall be extended to ditch flow as directed by the Engineer.

Right-of-way markers will be erected with the back face of the marker on the right-of-way line unless the new right-of-way line has been surveyed and pinned, in which instance the right-of-way markers will be erected 300 mm (12 inches) inside the new right-of-way line.

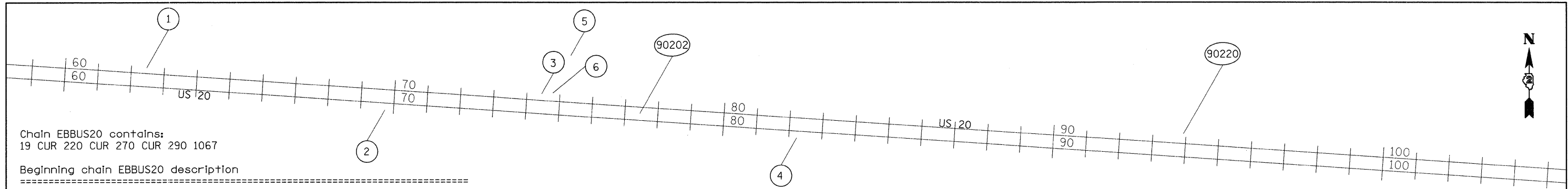
The Contractor shall be responsible for protecting utility property during construction operations as outlined in Article 107.31 of the Standard Specifications. A minimum of 48 hours advance notice is required for non-emergency work. The JULIE number is 800-892-0123. The following listed utilities located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

West Shore Pipeline Co.  
AT&T  
Comcast, Inc.

Commonwealth Edison Co.  
NICOR Gas Co.

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.

Program #5  
(Arch. Size)  
Enlarge  
200%  
Enlarge 107%



Chain EBBUS20 contains:  
19 CUR 220 CUR 270 CUR 290 1067

Beginning chain EBBUS20 description

Point 19 N 2,046,187.2690 E 2,557,803.2930 Sta 15+28.4305

Course from 19 to PC 220 96° 43' 24.7001" Dist 195.3919'

Curve Data

Curve 220  
P.I. Station 26+22.2601 N 2,046,059.2050 E 2,558,889.6000  
Delta = 8° 55' 19.4754" (LT)  
Degree = 0° 29' 51.1389"  
Tangent = 898.4378'  
Length = 1,793.2431'  
Radius = 11,515.8463'  
External = 34.9938'  
Long Chord = 1,791.4318'  
Mid. Ord. = 34.8878'  
P.C. Station 17+23.8224 N 2,046,164.3928 E 2,557,997.3411  
P.T. Station 35+17.0655 N 2,046,093.6713 E 2,559,787.3764  
C.C. N 2,057,601.0406 E 2,559,345.5998

Course from PT 220 to PC 270 87° 48' 05.2247" Dist 957.2482'

Curve Data

Curve 270  
P.I. Station 51+26.8080 N 2,046,155.4251 E 2,561,395.9340  
Delta = 6° 05' 03.0176" (RT)  
Degree = 0° 27' 59.9858"  
Tangent = 652.4943'  
Length = 1,303.7621'  
Radius = 12,277.7711'  
External = 17.3260'  
Long Chord = 1,303.1496'  
Mid. Ord. = 17.3016'  
P.C. Station 44+74.3137 N 2,046,130.3937 E 2,560,743.9200  
P.T. Station 57+78.0758 N 2,046,111.2088 E 2,562,046.9284  
C.C. N 2,033,861.6605 E 2,561,214.9259

Course from PT 270 to PC 290 93° 53' 08.2423" Dist 2,829.5695'

Curve Data

Curve 290  
P.I. Station 91+07.6453 N 2,045,885.5807 E 2,565,368.8443  
Delta = 0° 03' 09.4319" (LT)  
Degree = 0° 00' 18.9432"  
Tangent = 500.0000'  
Length = 1,000.0000'  
Radius = 1,088,859.9384'  
External = 0.1148'  
Long Chord = 1,000.0000'  
Mid. Ord. = 0.1148'  
P.C. Station 86+07.6453 N 2,045,919.4632 E 2,564,869.9936  
P.T. Station 96+07.6453 N 2,045,852.1564 E 2,565,867.7259  
C.C. N 3,132,276.4549 E 2,638,656.5233

Course from PT 290 to 1067 93° 49' 58.8104" Dist 5,983.0422'

Point 1067 N 2,045,452.1982 E 2,571,837.3848 Sta 155+90.6875

Ending chain EBBUS20 description

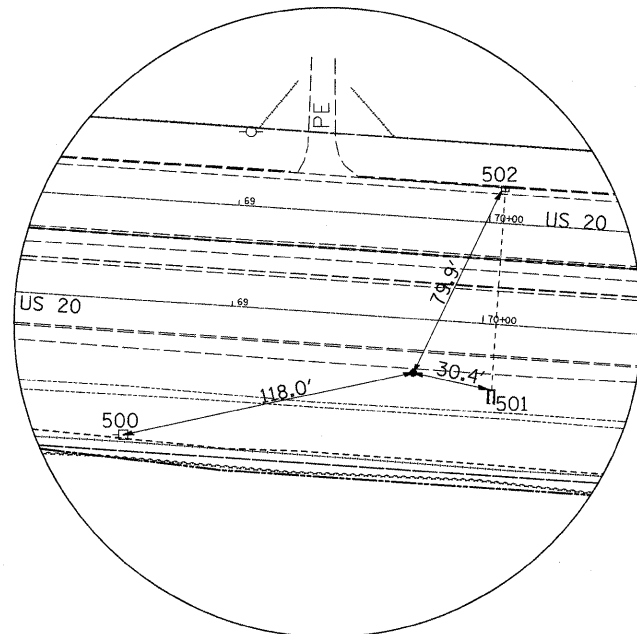
REFERENCE TIES				
POINT	CHAIN	STATION	OFFSET	DESCRIPTION
500	EBBUS20	68+60.1894	53.5643' RT	POWER POLE
501	EBBUS20	70+03.7051	25.8049' RT	HEADWALL
502	EBBUS20	70+03.8521	52.6773' LT	CATCH BASIN PEREMITER
503	EBBUS20	73+76.3536	64.7531' LT	HEADWALL
504	EBBUS20	73+06.9658	52.7283' LT	CATCH BASIN PEREMITER
505	EBBUS20	76+02.8832	52.8403' LT	CATCH BASIN PEREMITER
506	EBBUS20	76+52.7058	30.391' RT	POWER POLE
507	EBBUS20	78+47.9709	33.4194' RT	POWER POLE
508	EBBUS20	76+05.8110	52.8332' LT	CATCH BASIN PEREMITER
509	EBBUS20	81+57.9158	36.1041' RT	POWER POLE WITH TRANSFORMER
510	EBBUS20	83+18.7630	34.182' RT	POWER POLE
511	EBBUS20	82+30.5843	58.2245' RT	TREE DECIDUOUS
512	EBBUS20	93+06.2879	73.6449' LT	CATCH BASIN PEREMITER
513	EBBUS20	95+00.4411	66.7148' LT	ENTRANCE - COMMERCIAL

BENCH MARKS							
POINT	NORTH	EAST	ELEVATION	CHAIN	STATION	OFFSET	DESCRIPTION
402	2045980.5221	2563639.7488	787.7060	EBBUS20	73+76.0908	22.4489' RT	CHISELED SQUARE

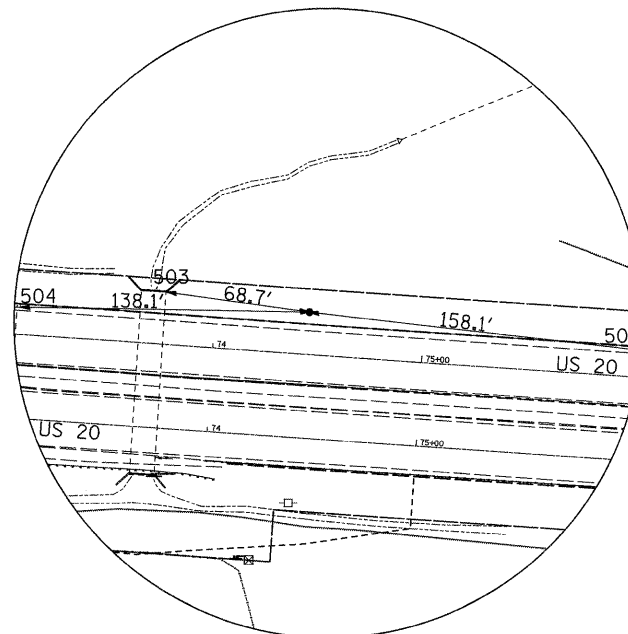
APPARENT PROPERTY CORNERS							
POINT	NORTH	EAST	ELEVATION	CHAIN	STATION	OFFSET	DESCRIPTION
700	2046022.0212	2564414.4224	787.8429	EBBUS20	81+46.1715	71.4505' LT	PROPERTY CORNER
701	2045941.1850	2563678.8253	787.2183	EBBUS20	74+17.7431	59.0476' RT	PROPERTY CORNER

CURVE POINT NUMBERS					
CHAIN	CURVE	PI	CC	PC	PT
EBBUS20	220	220	221	222	223
EBBUS20	270	270	271	272	273
EBBUS20	290	290	291	292	293

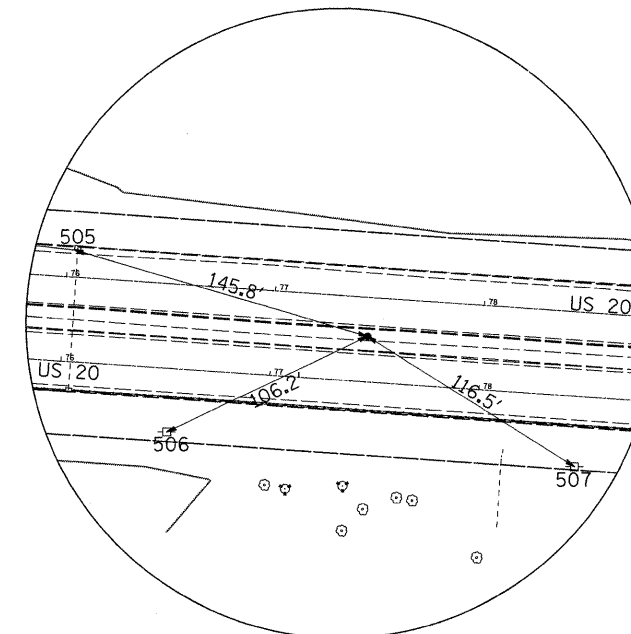
HORIZONTAL CONTROL POINTS							
POINT	NORTH	EAST	ELEVATION	CHAIN	STATION	OFFSET	DESCRIPTION
1	2046136.2713	2562517.5295	800.0242	EBBUS20	62+45.8968	56.8951' LT	GPS CONTROL POINT, PERM. SURVEY MARKER
2	2046008.9860	2563238.3509	788.0057	EBBUS20	69+73.6867	21.2512' RT	TOPO SURVEY POINT, PIN
3	2046058.0424	2563713.9818	787.5937	EBBUS20	74+44.9000	59.9236' LT	TOPO SURVEY POINT, PIN
4	2045923.9354	2564485.5133	789.4543	EBBUS20	82+23.7457	21.5924' RT	TOPO SURVEY POINT, PIN
5	2046172.9246	2563802.4680	793.0022	EBBUS20	75+25.3978	180.538' LT	TOPO SURVEY POINT, PIN
6	2046060.4087	2563747.8046	786.8814	EBBUS20	74+78.4847	64.5764' LT	GPS CONTROL POINT, PERM. SURVEY MARKER
90202	2045999.4306	2564011.1144	788.1152	EBBUS20	77+45.3214	21.5817' LT	PHOTO CONTROL H. & V., PIN
90220	2045937.0230	2565657.3338	779.8197	EBBUS20	93+92.0366	70.591' LT	PHOTO CONTROL H. & V., PIN



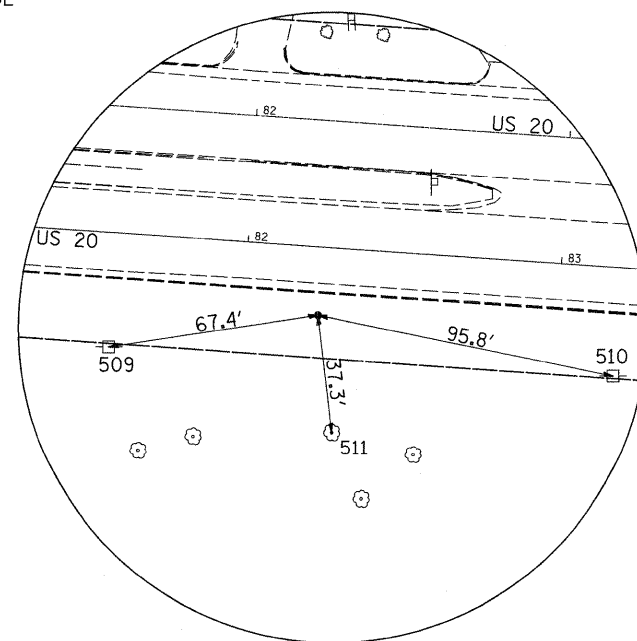
HORIZONTAL CONTROL POINT No. 2



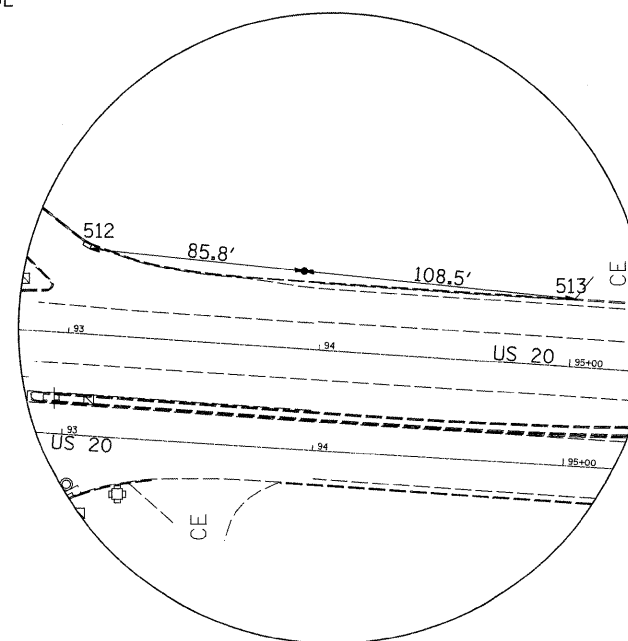
HORIZONTAL CONTROL POINT No. 3



HORIZONTAL CONTROL POINT No. 90202



HORIZONTAL CONTROL POINT No. 4



HORIZONTAL CONTROL POINT No. 90220

FILE NAME = cr\projects\p211406\dl1406hvc.dgn	USER NAME = polznej	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>HORIZONTAL &amp; VERTICAL CONTROL</b>			F.A.P. RTE. 303	SECTION (40R)T	COUNTY WINNEBAGO	TOTAL SHEETS 67	SHEET NO. 15
PLCT SCALE = 150.0000' / IN.	CHECKED -	REVISED -	REVISED -		SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.	CONTRACT NO. 64C65	
PLCT DATE = Mon Aug 04 13:24:24 2008	DATE -	REVISED -	REVISED -		FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT							

# SCHEDULE OF QUANTITIES

20100110 TREE REMOVAL (6 TO 15 UNITS DIAMETER)

UNIT	LOCATION
8	US BUS 20 Sta 66 + 21 50' RT
8	TOTAL

20100210 TREE REMOVAL (OVER 15 UNITS DIAMETER)

UNIT	LOCATION
15	US BUS 20 Sta 67 + 73 51' RT
18	Sta 71 + 27 52' RT
33	TOTAL

20100500 TREE REMOVAL, ACRES

ACRE	LOCATION
0.1	US BUS 20 Sta 72 + 50 - 74 + 92 RT
0.1	TOTAL

20201200 REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL

CU YD	LOCATION
228	US BUS 20 Sta 73 + 70
228	TOTAL

25000210 SEEDING, CLASS 2A

ACRE	LOCATION
0.20	US BUS 20 Sta 71 + 00 - 74 + 00 LT
0.80	Sta 62 + 56 - 75 + 00 RT
1.00	TOTAL

25000750 MOWING

ACRE	LOCATION
0.20	US BUS 20 Sta 71 + 00 - 74 + 00 LT
0.80	Sta 62 + 56 - 75 + 00 RT
1.00	TOTAL

25100630 EROSION CONTROL BLANKET

SQ YD	LOCATION
968	US BUS 20 Sta 71 + 00 - 74 + 00 LT
3,872	Sta 62 + 56 - 75 + 00 RT
4,840	TOTAL

28000250 TEMPORARY EROSION CONTROL SEEDING

POUND	LOCATION	100 Lbs / Acre x 4 Applications
80	US BUS 20 Sta 71 + 00 - 74 + 00 LT	
320	Sta 62 + 56 - 75 + 00 RT	
400	TOTAL	

28000300 TEMPORARY DITCH CHECKS

EACH	LOCATION
1	US BUS 20 Sta 66 + 00 RT
1	Sta 68 + 00 RT
1	Sta 70 + 00 RT
1	Sta 72 + 00 RT
1	Sta 73 + 50 RT
1	Sta 74 + 00 RT
1	Sta 74 + 50 RT
1	Sta 72 + 00 LT
1	Sta 73 + 00 LT
1	Sta 73 + 50 LT
10	TOTAL

28000400 PERIMETER EROSION BARRIER

FOOT	LOCATION
150	US BUS 20 As Needed & Directed by the Resident
150	TOTAL

28000500 INLET AND PIPE PROTECTION

EACH	LOCATION
1	US BUS 20 Sta 63 + 90 RT
1	Sta 72 + 20 LT
2	Sta 73 + 70 RT
4	TOTAL

28100107 STONE RIPRAP, CLASS A4

SQ YD	LOCATION
67	US BUS 20 Sta 73 + 70 LT (40' x 15')
67	TOTAL

28200200 FILTER FABRIC

SQ YD	LOCATION
67	US BUS 20 Sta 73 + 70 LT (40' x 15')
67	TOTAL

35101400 AGGREGATE BASE COURSE, TYPE B

TON	LOCATION
32.8	US BUS 20 Sta 64 + 33 FE - RT
18.6	Sta 72 + 37 PE - LT
51.4	TOTAL

40600990 TEMPORARY RAMP

SQ YD	LOCATION
21	US BUS 20 @ 7.5' Ramps Sta 37 + 65 LT
21	Sta 37 + 65 RT
21	Sta 83 + 00 LT
21	Sta 83 + 00 RT
21	Sta 73 + 40 Stage 2 - Over Patch
21	Sta 74 + 00 Stage 2 - Over Patch
21	Sta 73 + 40 Stage 3 - Over Patch
21	Sta 74 + 00 Stage 3 - Over Patch
21	WELDON RD - RT
21	WELDON RD - RT
58	As Needed & Directed by the Resident (Driveways)
268	TOTAL

44000196 HOT-MIX ASPHALT SURFACE REMOVAL, SPECIAL

SQ YD	LOCATION
252	WELDON RD - LT
260	WELDON RD - RT
512	TOTAL



# SCHEDULE OF QUANTITIES

44000500 COMBINATION CURB AND GUTTER REMOVAL

<u>FOOT</u>	<u>LOCATION</u>
	US BUS 20
<u>200</u>	As Needed & Directed by the Resident
200	TOTAL

44003100 MEDIAN REMOVAL

<u>SQ FT</u>	<u>LOCATION</u>
	US BUS 20
6,315	Sta 67 + 40 - 72 + 08 Stage 1
10,759	Sta 72 + 68 - 80 + 60 Stage 1
2,143	Sta 62 + 56 - 64 + 06 Stage 4
3,692	Sta 64 + 67 - 67 + 40 Stage 4
<u>2,742</u>	Sta 80 + 60 - 82 + 77 Stage 4
25,651	TOTAL

44201359 CLASS C PATCHES, TYPE IV, 10 INCH

<u>SQ YD</u>	<u>LOCATION</u>
	US BUS 20
167	Sta 73 + 40 - 74 + 00 LT (60' X 25')
167	Sta 73 + 40 - 74 + 00 RT (60' X 25')
<u>100</u>	As Needed & Directed by the Resident for Improvement on Returns of Weldon Rd
434	TOTAL

48101200 AGGREGATE SHOULDERS, TYPE B

<u>TON</u>	<u>LOCATION</u>
	US BUS 20
<u>84</u>	Sta 51 + 58 - 62 + 56 RT (Figured 2" Agg Wedge for 8' Shoulder)
84	TOTAL

50105200 REMOVE EXISTING CULVERTS

<u>EACH</u>	<u>LOCATION</u>
	US BUS 20
<u>1</u>	Sta 73 + 70
1	TOTAL

50104400 CONCRETE HEADWALL REMOVAL

<u>EACH</u>	<u>LOCATION</u>
	US BUS 20
1	Sta 63 + 64 RT
1	Sta 67 + 05 RT
1	Sta 70 + 05 RT
<u>1</u>	Sta 73 + 05 RT
4	TOTAL

51500100 NAME PLATES

<u>EACH</u>	<u>LOCATION</u>
	US BUS 20
<u>1</u>	Sta 73 + 70
1	TOTAL

54001001 BOX CULVERT END SECTION, CULVERT NO. 1

<u>EACH</u>	<u>LOCATION</u>
	US BUS 20
<u>2</u>	Sta 73 + 70 LT
2	TOTAL

54011204 PRECAST CONCRETE BOX CULVERT 12' X 4'

<u>FOOT</u>	<u>LOCATION</u>
	US BUS 20
<u>204</u>	Sta 73 + 70 (2 Cells @ 102')
204	TOTAL

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

<u>FOOT</u>	<u>LOCATION</u>
	US BUS 20
<u>56</u>	Sta 72 + 37 PE - LT
56	TOTAL

542D0223 PIPE CULVERTS, CLASS D, TYPE 1, 18"

<u>FOOT</u>	<u>LOCATION</u>
	US BUS 20
<u>56</u>	Sta 64 + 34 PE - RT
56	TOTAL

54213450 END SECTIONS, 15"

<u>EACH</u>	<u>LOCATION</u>
	US BUS 20
<u>2</u>	Sta 72 + 37 PE - LT
2	TOTAL

54213453 END SECTIONS, 18"

<u>EACH</u>	<u>LOCATION</u>
	US BUS 20
<u>2</u>	Sta 64 + 34 PE - RT
2	TOTAL

54213655 PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"

<u>EACH</u>	<u>LOCATION</u>
	US BUS 20
1	Sta 63 + 64 RT
1	Sta 67 + 05 RT
1	Sta 70 + 05 RT
<u>1</u>	Sta 73 + 05 RT
4	TOTAL

550A0050 STORM SEWERS, CLASS A, TYPE 1 12"

<u>FOOT</u>	<u>LOCATION</u>
	US BUS 20
7	Sta 63 + 64 RT
7	Sta 67 + 05 RT
7	Sta 70 + 05 RT
<u>7</u>	Sta 73 + 05 RT
28	TOTAL

# SCHEDULE OF QUANTITIES

550A0410 STORM SEWERS, CLASS A, TYPE 2 24"

<u>FOOT</u>	<u>LOCATION</u>
	US BUS 20
15	Sta 73+ 83 - 73+ 98 RT
15	TOTAL

61100500 EXPLORATION TRENCH 52" DEPTH

<u>FOOT</u>	<u>LOCATION</u>
	US BUS 20
10	As Needed & Directed by the Resident
10	TOTAL

66700305 PERMANENT SURVEY MARKERS, TYPE II

<u>EACH</u>	<u>LOCATION</u>
	US BUS 20
1	As Directed by the Resident and Coordination with Surveys
1	TOTAL

60600095 CLASS SI CONCRETE (OUTLET)

<u>CU YD</u>	<u>LOCATION</u>
	US BUS 20
3.5	Sta 74+ 08 - 74+ 32 RT
3.5	TOTAL

61133100 FIELD TILE JUNCTION VAULTS, 2' DIA.

<u>EACH</u>	<u>LOCATION</u>
	US BUS 20
1	As Needed & Directed by the Resident
1	TOTAL

70300100 SHORT-TERM PAVEMENT MARKING

<u>FOOT</u>	<u>LOCATION</u>
	US BUS 20
1,816	Sta 37+ 65 - 83+ 00 LT - White Skip Dash - 4 Appl.
1,816	Sta 37+ 65 - 83+ 00 RT - White Skip Dash - 4 Appl.
92	Sta 62+ 56 - 74+ 00 RT - Yellow Shoulder Stripes - 2 Appl.
3,724	TOTAL

60605000 COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6,24

<u>FOOT</u>	<u>LOCATION</u>
	US BUS 20
60	Sta 73+ 40 - 74+ 00 LT
200	As Needed & Directed by the Resident
260	TOTAL

63200310 GUARDRAIL REMOVAL

<u>FOOT</u>	<u>LOCATION</u>
	US BUS 20
137.5	Sta 72 + 67 - 74 + 05 RT
137.5	TOTAL

70300520 PAVEMENT MARKING TAPE, TYPE III 4"

<u>FOOT</u>	<u>LOCATION</u>
	US BUS 20
2,582	Sta 54+ 40 - 80+ 20 Stage 2 - EB EOP
2,340	Sta 67+ 80 - 91+ 20 Stage 3 - WB EOP
4,922	White Total

60618300 CONCRETE MEDIAN SURFACE, 4 INCH

<u>SQ FT</u>	<u>LOCATION</u>
	US BUS 20
1,800	Sta 62 + 56 - 64 + 00
8,338	Sta 64 + 73 - 72 + 02
11,221	Sta 72 + 75 - 82 + 73
21,359	TOTAL

63500105 DELINEATORS

<u>EACH</u>	<u>LOCATION</u>
	US BUS 20
2	Sta 73 + 70 LT & RT Culvert
2	TOTAL

1,922	Sta 61+ 00 - 80+ 20	Stage 2 - EB EOP
2,360	Sta 67+ 60 - 91+ 20	Stage 2 - WB EOP
2,990	Sta 50+ 50 - 80+ 40	Stage 3 - EB EOP
1,572	Sta 67+ 80 - 83+ 50	Stage 3 - WB EOP
8,844	Yellow Total	
13,766	TOTAL	

60618750 CONCRETE MEDIAN, TYPE M-4.06

<u>SQ FT</u>	<u>LOCATION</u>
	US BUS 20
45	Sta 64 + 00 - 64 + 07
45	Sta 64 + 66 - 64 + 73
45	Sta 72 + 02 - 72 + 09
45	Sta 72 + 68 - 72 + 75
45	Sta 82 + 73 - 82 + 80
225	TOTAL

66600105 FURNISHING AND ERECTING RIGHT-OF-WAY MARKERS

<u>EACH</u>	<u>LOCATION</u>
	US BUS 20
1	Sta 68 + 00 RT
1	Sta 69 + 00 RT
1	Sta 70 + 98 LT
1	Sta 71 + 00 RT
1	Sta 72 + 00 RT
1	Sta 73 + 47 LT
1	Sta 74 + 00 RT
1	Sta 74 + 25 LT
1	Sta 75 + 00 LT
1	Sta 76 + 00 RT
10	TOTAL

70301000 WORK ZONE PAVEMENT MARKING REMOVAL

<u>SQ FT</u>	<u>LOCATION</u>
	US BUS 20
151.3	Sta 37+ 65 - 83+ 00 Removal of Surface Skip Dash
151.3	Sta 37+ 65 - 83+ 00 Removal of Surface Skip Dash
15.3	Sta 62+ 56 - 74+ 00 Removal of Surface Shoulder Stripe
860.7	Sta 54+ 40 - 80+ 20 Removal of Stage 2 Type III Tape
640.7	Sta 61+ 00 - 80+ 20 Removal of Stage 2 Type III Tape
786.7	Sta 67+ 60 - 91+ 20 Removal of Stage 2 Type III Tape
780.0	Sta 67+ 80 - 91+ 20 Removal of Stage 3 Type III Tape
996.7	Sta 50+ 50 - 80+ 40 Removal of Stage 3 Type III Tape
524.0	Sta 67+ 80 - 83+ 50 Removal of Stage 3 Type III Tape
4,906.7	TOTAL

# SCHEDULE OF QUANTITIES

70400100 TEMPORARY CONCRETE BARRIER

FOOT	LOCATION
	US BUS 20
340	Sta 72+ 00 - 75+ 40 Stage 2
340	TOTAL

70400200 RELOCATE TEMPORARY CONCRETE BARRIER

FOOT	LOCATION
	US BUS 20
230	Sta 73+ 15 - 75+ 45 Stage 3
230	TOTAL

78000100 THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS

SQ FT	LOCATION
	US BUS 20
15.6	Sta 36 + 83 White - LT Turn Arrow
15.6	Sta 37 + 84 White - LT Turn Arrow
15.6	Sta 38 + 85 White - LT Turn Arrow
46.8	TOTAL

78000200 THERMOPLASTIC PAVEMENT MARKING - LINE 4"

FOOT	LOCATION
	US BUS 20
1,150	Sta 37 + 20 - 83 + 00 White Skip Dash - RT
1,150	Sta 37 + 20 - 83 + 00 White Skip Dash - LT
4,580	Sta 37 + 20 - 83 + 00 White EOP - RT
4,580	Sta 37 + 20 - 83 + 00 White EOP - LT
11,460	White Total
4,395	Sta 38 + 87 - 82 + 80 Yellow EOP - LT
4,395	Sta 38 + 87 - 82 + 80 Yellow EOP - RT
8,790	Yellow Total
20,250	TOTAL

78000500 THERMOPLASTIC PAVEMENT MARKING - LINE 8"

FOOT	LOCATION
	US BUS 20
250	Sta 38 + 85 - 41+ 35 White - LT Turn Lane
250	TOTAL

78000650 THERMOPLASTIC PAVEMENT MARKING - LINE 24"

FOOT	LOCATION
24	WELDON ROAD - LT White - Stop Bar
24	WELDON ROAD - RT White - Stop Bar
48	TOTAL

78100100 RAISED REFLECTIVE PAVEMENT MARKER

EACH	LOCATION
	US BUS 20
58	Sta 37 + 65 - 83+ 00 One-way Crystal - 80' o.c. - LT
58	Sta 37 + 65 - 83+ 00 One-way Crystal - 80' o.c. - RT
8	Sta 38 + 85 - 41+ 35 One-way Crystal - 40' o.c. - LT Turn Lane
124	TOTAL

78300100 PAVEMENT MARKING REMOVAL

SQ FT	LOCATION
	US BUS 20
58.3	Sta 61 + 00 - 68+ 00 Stage 2 - White EB Centerline Dash
151.7	Sta 67 + 60 - 85+ 80 Stage 2 - White WB Centerline Dash
283.3	Sta 61 + 00 - 69+ 50 Stage 2 - Yellow EB EOP
283.3	Sta 69 + 50 - 78+ 00 Stage 2 - Yellow WB EOP
73.3	Sta 78 + 00 - 80+ 20 Stage 2 - Yellow EB EOP
50.0	Sta 55 + 00 - 61+ 00 Stage 3 - White EB Centerline Dash
103.3	Sta 68 + 00 - 80+ 40 Stage 3 - White EB Centerline Dash
56.7	Sta 67 + 80 - 69+ 50 Stage 3 - Yellow WB EOP
283.3	Sta 69 + 50 - 78+ 00 Stage 3 - Yellow EB EOP
160.0	Sta 78 + 00 - 82+ 80 Stage 3 - Yellow WB EOP
1,503.2	TOTAL

78300200 RAISED REFLECTIVE PAVEMENT MARKER REMOVAL

EACH	LOCATION
	US BUS 20
58	Sta 37 + 65 - 83 + 00 80' o.c. - LT
58	Sta 37 + 65 - 83 + 00 80' o.c. - RT
8	Sta 38 + 85 - 41+ 35 40' o.c. - LT Turn Lane
124	TOTAL

A2006514 TREE, QUERCUS BICOLOR (SWAMP WHITE OAK), 1-3/4" CALIPER, BALLED AND BURLAPPED

EACH	LOCATION
	US BUS 20
31	As Directed by the Landscape Architect
31	TOTAL

X0323988 TEMPORARY SOIL RETENTION SYSTEM

SQ FT	LOCATION
	US BUS 20
432.5	Sta 73 + 70 Stage 2
432.5	Sta 73 + 70 Stage 3
865.0	TOTAL

X0712400 TEMPORARY PAVEMENT

SQ YD	LOCATION
	US BUS 20
702	Sta 67 + 40 - 72 + 08 Median Removal
1,195	Sta 72 + 68 - 80 + 60 Median Removal
1,897	TOTAL

X0919000 TEMPORARY PAVEMENT REMOVAL

SQ YD	LOCATION
	US BUS 20
702	Sta 67 + 40 - 72 + 08 Median Removal
1,195	Sta 72 + 68 - 80 + 60 Median Removal
1,897	TOTAL

X6064201 COMBINATION CONCRETE CURB AND GUTTER, TYPE M-4.06

FOOT	LOCATION
	US BUS 20
144	Sta 62 + 56 - 64 + 00 LT
144	Sta 62 + 56 - 64 + 00 RT
729	Sta 64 + 73 - 72 + 02 LT
729	Sta 64 + 73 - 72 + 02 RT
998	Sta 72 + 75 - 82 + 73 LT
998	Sta 72 + 75 - 82 + 73 RT
3,742	TOTAL

# SCHEDULE OF QUANTITIES

<p>Z0005400 <u>BREAKER-RUN CRUSHED STONE</u></p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;"><u>TON</u></th> <th style="text-align: left;"><u>LOCATION</u></th> </tr> </thead> <tbody> <tr> <td style="text-align: right;">434</td> <td>US BUS 20 Sta 73 + 70 (Depth = 18")</td> </tr> <tr> <td style="text-align: right;">434</td> <td>TOTAL</td> </tr> </tbody> </table>	<u>TON</u>	<u>LOCATION</u>	434	US BUS 20 Sta 73 + 70 (Depth = 18")	434	TOTAL		<p>Z0030250 <u>IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3</u></p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;"><u>EACH</u></th> <th style="text-align: left;"><u>LOCATION</u></th> </tr> </thead> <tbody> <tr> <td style="text-align: right;">1</td> <td>US BUS 20 Sta 71 + 80 - 72 + 00 Stage 2</td> </tr> <tr> <td style="text-align: right;">1</td> <td>Sta 75 + 42 - 75 + 62 Stage 2</td> </tr> <tr> <td style="text-align: right;">2</td> <td>TOTAL</td> </tr> </tbody> </table>	<u>EACH</u>	<u>LOCATION</u>	1	US BUS 20 Sta 71 + 80 - 72 + 00 Stage 2	1	Sta 75 + 42 - 75 + 62 Stage 2	2	TOTAL
<u>TON</u>	<u>LOCATION</u>															
434	US BUS 20 Sta 73 + 70 (Depth = 18")															
434	TOTAL															
<u>EACH</u>	<u>LOCATION</u>															
1	US BUS 20 Sta 71 + 80 - 72 + 00 Stage 2															
1	Sta 75 + 42 - 75 + 62 Stage 2															
2	TOTAL															
<p>Z0024476 <u>FLEXIBLE DELINEATOR MAINTENANCE</u></p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;"><u>EACH</u></th> <th style="text-align: left;"><u>LOCATION</u></th> </tr> </thead> <tbody> <tr> <td style="text-align: right;">5</td> <td>US BUS 20 As Needed &amp; Directed by the Resident</td> </tr> <tr> <td style="text-align: right;">5</td> <td>TOTAL</td> </tr> </tbody> </table>	<u>EACH</u>	<u>LOCATION</u>	5	US BUS 20 As Needed & Directed by the Resident	5	TOTAL		<p>Z0030350 <u>IMPACT ATTENUATORS, RELOCATE (NON-REDIRECTIVE), TEST LEVEL 3</u></p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;"><u>EACH</u></th> <th style="text-align: left;"><u>LOCATION</u></th> </tr> </thead> <tbody> <tr> <td style="text-align: right;">1</td> <td>US BUS 20 Sta 72 + 92 - 73 + 12 Stage 3</td> </tr> <tr> <td style="text-align: right;">1</td> <td>Sta 75 + 42 - 75 + 62 Stage 3</td> </tr> <tr> <td style="text-align: right;">2</td> <td>TOTAL</td> </tr> </tbody> </table>	<u>EACH</u>	<u>LOCATION</u>	1	US BUS 20 Sta 72 + 92 - 73 + 12 Stage 3	1	Sta 75 + 42 - 75 + 62 Stage 3	2	TOTAL
<u>EACH</u>	<u>LOCATION</u>															
5	US BUS 20 As Needed & Directed by the Resident															
5	TOTAL															
<u>EACH</u>	<u>LOCATION</u>															
1	US BUS 20 Sta 72 + 92 - 73 + 12 Stage 3															
1	Sta 75 + 42 - 75 + 62 Stage 3															
2	TOTAL															
<p>Z0028415 <u>GEO TECHNICAL REINFORCEMENT</u></p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;"><u>SQ YD</u></th> <th style="text-align: left;"><u>LOCATION</u></th> </tr> </thead> <tbody> <tr> <td style="text-align: right;">171</td> <td>US BUS 20 As Directed by the Resident (Full Depth Patches)</td> </tr> <tr> <td style="text-align: right;">171</td> <td>TOTAL</td> </tr> </tbody> </table>	<u>SQ YD</u>	<u>LOCATION</u>	171	US BUS 20 As Directed by the Resident (Full Depth Patches)	171	TOTAL										
<u>SQ YD</u>	<u>LOCATION</u>															
171	US BUS 20 As Directed by the Resident (Full Depth Patches)															
171	TOTAL															
<p>Z0028700 <u>GRANULAR SUBGRADE REPLACEMENT</u></p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;"><u>CU YD</u></th> <th style="text-align: left;"><u>LOCATION</u></th> </tr> </thead> <tbody> <tr> <td style="text-align: right;">29</td> <td>US BUS 20 As Directed by the Resident (Full Depth Patches)</td> </tr> <tr> <td style="text-align: right;">29</td> <td>TOTAL</td> </tr> </tbody> </table>	<u>CU YD</u>	<u>LOCATION</u>	29	US BUS 20 As Directed by the Resident (Full Depth Patches)	29	TOTAL										
<u>CU YD</u>	<u>LOCATION</u>															
29	US BUS 20 As Directed by the Resident (Full Depth Patches)															
29	TOTAL															
<p>Z0029001 <u>GRATED CULVERT EXTENSION, NO. 1</u></p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;"><u>EACH</u></th> <th style="text-align: left;"><u>LOCATION</u></th> </tr> </thead> <tbody> <tr> <td style="text-align: right;">2</td> <td>US BUS 20 Sta 73 + 70 RT</td> </tr> <tr> <td style="text-align: right;">2</td> <td>TOTAL</td> </tr> </tbody> </table>	<u>EACH</u>	<u>LOCATION</u>	2	US BUS 20 Sta 73 + 70 RT	2	TOTAL										
<u>EACH</u>	<u>LOCATION</u>															
2	US BUS 20 Sta 73 + 70 RT															
2	TOTAL															

## EARTHWORK SCHEDULE

LOCATION	EARTH EXC (CUT)	EARTH EXC ADJ SHRINK 25%	EMBANK (FILL)	EARTH WORK BALANCE WASTE (+) SHORTAGE (-)
	CU YD	CU YD	CU YD	CU YD
62 + 56 - 75 + 00	1202	902	229	673
<b>TOTAL</b>	1202	902	229	673

# BITUMINOUS SCHEDULE

Location	Remarks	Length	Proposed Surface *Includes Gutter Flags		40600200	40600300	44000158	40600525	40600625	40603310	40603335	40800050	48203023
			*Includes Gutter Flags		Bit Materials Prime Coat (2 Applications)	Agg Prime Coat	Hot-Mix Asphalt Surface Removal, 2 1/4"	Leveling Binder (Hand Method) N50 *As Needed	Leveling Binder (Machine Method) N50	Hot-Mix Asphalt Surface Course Mix "C", N50	Hot-Mix Asphalt Surface Course Mix "D", N50	Incidental Hot-Mix Asphalt Surfacing	Hot-Mix Asphalt Shoulders, 6 1/2"
			Width	Sq Yd	Ton	Ton	Sq Yd	Ton	Ton	Ton	Ton	Ton	Sq Yd
US BUS 20 - WB Lanes													
Sta 37 +20 - 37 +65	Old Butt Joint	45	24.8	124.0	0.07	0.19	124.0	0.1	6.9				
Sta 37 +65 - 37 +87		22	24.8	323.9	0.19	0.49	323.9	0.1	18.1				
Sta 37 +87 - 43 +31	w/ LT Turn Lane	544	38.4	1798.2	1.03	2.70	1798.2	1.5	100.7				
Sta 43 +31 - 44 +40		109	27.1	329.2	0.19	0.49	329.2	0.3	18.4				
Sta 44 +40 - 49 +50		510	28.4	1614.3	0.92	2.42	1614.3	1.4	90.4				
Sta 49 +50 - 50 +56		106	27.4	323.0	0.18	0.48	323.0	0.3	18.1				
Sta 50 +56 - 56 +52		596	27.9	1891.3	1.08	2.84	1891.3	1.7	105.9				
Sta 56 +52 - 58 +0		148	27.2	319.0	0.18	0.48	319.0	0.4	17.9				
Sta 58 +0 - 62 +56		456	28.5	1584.1	0.91	2.38	1584.1	1.3	88.7				
Sta 62 +56 - 63 +84		128	24.7	390.8	0.22	0.59	390.8	0.4	21.9				
Sta 63 +84 - 64 +88		104	24.9	320.9	0.18	0.48	320.9	0.3	18.0				
Sta 64 +88 - 71 +87		699	24.9	2139.8	1.22	3.21	2139.8	2.0	119.8				
Sta 71 +87 - 72 +90		103	24.6	318.1	0.18	0.48	318.1	0.3	17.8				
Sta 72 +90 - 73 +40		50	24.5	152.5	0.09	0.23	152.5	0.1	8.5				
Sta 73 +40 - 74 +0		60	24.5	182.9	0.10	0.27	182.9	0.2	10.2				
Sta 74 +0 - 82 +57		857	24.7	2631.9	1.51	3.95	2631.9	2.4	147.4				
Sta 82 +57 - 83 +0		43	25.2	134.9	0.08	0.20	134.9	0.1	7.6				
US BUS 20 - EB Lanes													
Sta 37 +20 - 37 +65	Old Butt Joint	45	24.3	121.6	0.07	0.18	121.6	0.1	6.8				
Sta 37 +65 - 37 +87		22	24.3	327.8	0.19	0.49	327.8	0.1	18.4				
Sta 37 +87 - 43 +31		544	26.3	1292.7	0.74	1.94	1292.7	1.5	72.4				
Sta 43 +31 - 44 +40		109	26.1	319.1	0.18	0.48	319.1	0.3	17.9				
Sta 44 +40 - 49 +50		510	28.4	1600.9	0.92	2.40	1600.9	1.4	89.7				
Sta 49 +50 - 50 +56		106	26.4	309.1	0.18	0.46	309.1	0.3	17.3				
Sta 50 +56 - 56 +52		596	26.4	1768.0	1.01	2.65	1768.0	1.7	99.0				
Sta 50 +56 - 58 +0		744	24.3	283.9	0.16	0.43	283.9	2.1	15.9				
Sta 58 +0 - 62 +56		456	26.6	1470.3	0.84	2.21	1470.3	1.3	82.3				
Sta 62 +56 - 63 +84		128	24.9	350.1	0.20	0.53	350.1	0.4	19.6				
Sta 63 +84 - 64 +88		104	24.6	293.2	0.17	0.44	293.2	0.3	16.4				
Sta 64 +88 - 71 +87		699	24.9	1949.9	1.12	2.92	1949.9	2.0	109.2				
Sta 71 +87 - 72 +90		103	25.0	294.9	0.17	0.44	294.9	0.3	16.5				
Sta 72 +90 - 73 +40		50	25.4	141.6	0.08	0.21	141.6	0.1	7.9				
Sta 73 +40 - 74 +0		60	25.4	167.2	0.10	0.25	167.2	0.2	9.4				
Sta 74 +0 - 82 +57		857	24.4	2576.9	1.47	3.87	2576.9	2.4	144.3				
Sta 82 +57 - 83 +0		43	25.4	132.2	0.08	0.20	132.2	0.1	7.4				
US BUS 20 - Median Returns													
Sta 37 +20 - 37 +65		45	21.5	107.6	0.06	0.16	107.6		6.0				
Sta 37 +65 - 38 +87		122	21.5	276.5	0.16	0.41	276.5		15.5				
Sta 43 +31 - 44 +40		109	15.0	142.7	0.08	0.21	142.7		8.0				
Sta 49 +50 - 50 +56		106	14.5	128.4	0.07	0.19	128.4		7.2				
Sta 56 +52 - 58 +0		148	15.0	130.3	0.07	0.20	130.3		7.3				
Sta 63 +84 - 64 +88		104	14.4	110.3	0.06	0.17	110.3		6.2				
Sta 71 +87 - 72 +90		103	12.9	100.3	0.06	0.15	100.3		5.6				
Sta 82 +57 - 83 +0		43	12.1	35.1	0.02	0.05	35.1		2.0				
Weldon Road - LT Return													
Weldon Road - RT Return		44	25.0	250.0	0.14	0.38			14.0				
		47	25.0	262.0	0.15	0.39			14.7				
HMA Shoulders - RT													
Sta 62 +56 - 74 +0		1144	8.0	1016.9	0.58				85.4				1016.9
Driveways													
Sta 64 +33	PE - RT	23	15.7	71.2	0.04								12.0
Sta 72 +37	PE - LT	31	12.0	40.8	0.02								6.9
TOTAL				30,650.3	17.53	44.28	29,009.4	27.7	1,653.2	85.4	2,479.8	18.9	1,016.9

# PARTIAL DEPTH PAVEMENT PATCHING

12FEET LANE WIDTH

STATION	REMARKS	LENGTH OF PATCH		AREA OF PATCHES				HOT-MIX ASPHALT REMOVAL OVER PATCHES - 6"		HOT-MIX ASPHALT REPLACEMENT OVER PATCHES - 6"	
		LT LANE (feet)	RT LANE (feet)	44200120		44200124		LT LANE (yd <sup>2</sup> )	RT LANE (yd <sup>2</sup> )	LT LANE (yd <sup>2</sup> )	RT LANE (yd <sup>2</sup> )
				TYPE 2 LT LANE (yd <sup>2</sup> )	TYPE 2 RT LANE (yd <sup>2</sup> )	TYPE 3 LT LANE (yd <sup>2</sup> )	TYPE 3 RT LANE (yd <sup>2</sup> )				
US BUS 20 (WB)											
46 + 42		6	6	8.0	8.0			9.3	9.3	3.14	3.14
47 + 00		6	6	8.0	8.0			9.3	9.3	3.14	3.14
47 + 61		6	6	8.0	8.0			9.3	9.3	3.14	3.14
53 + 36		6	6	8.0	8.0			9.3	9.3	3.14	3.14
55 + 4		6	6	8.0	8.0			9.3	9.3	3.14	3.14
55 + 89		6	6	8.0	8.0			9.3	9.3	3.14	3.14
57 + 69			6		8.0				9.3		3.14
61 + 3		6	6	8.0	8.0			9.3	9.3	3.14	3.14
64 + 25			6		8.0				9.3		3.14
66 + 27			6		8.0				9.3		3.14
69 + 11			6		8.0				9.3		3.14
69 + 91		10	10	13.3	13.3			14.7	14.7	4.93	4.93
71 + 2		6	6	8.0	8.0			9.3	9.3	3.14	3.14
71 + 64			6		8.0				9.3		3.14
75 + 49		10	10	13.3	13.3			14.7	14.7	4.93	4.93
76 + 34		6	6	8.0	8.0			9.3	9.3	3.14	3.14
77 + 12		6	6	8.0	8.0			9.3	9.3	3.14	3.14
78 + 76		6	6	8.0	8.0			9.3	9.3	3.14	3.14
82 + 39		6		8.0				9.3		3.14	
82 + 66			6		8.0				9.3		3.14
US BUS 20 (EB)											
38 + 76		6	6	8.0	8.0			9.3	9.3	3.14	3.14
38 + 96		6	6	8.0	8.0			9.3	9.3	3.14	3.14
39 + 34		6	6	8.0	8.0			9.3	9.3	3.14	3.14
41 + 56		6	6	8.0	8.0			9.3	9.3	3.14	3.14
42 + 96		6	6	8.0	8.0			9.3	9.3	3.14	3.14
45 + 84		6	6	8.0	8.0			9.3	9.3	3.14	3.14
46 + 81		6		8.0				9.3		3.14	
49 + 22		6	6	8.0	8.0			9.3	9.3	3.14	3.14
50 + 71		6	6	8.0	8.0			9.3	9.3	3.14	3.14
51 + 84		6	6	8.0	8.0			9.3	9.3	3.14	3.14
53 + 76		6	6	8.0	8.0			9.3	9.3	3.14	3.14
55 + 36		6	6	8.0	8.0			9.3	9.3	3.14	3.14
56 + 76		6	6	8.0	8.0			9.3	9.3	3.14	3.14

CONT. NEXT SHEET

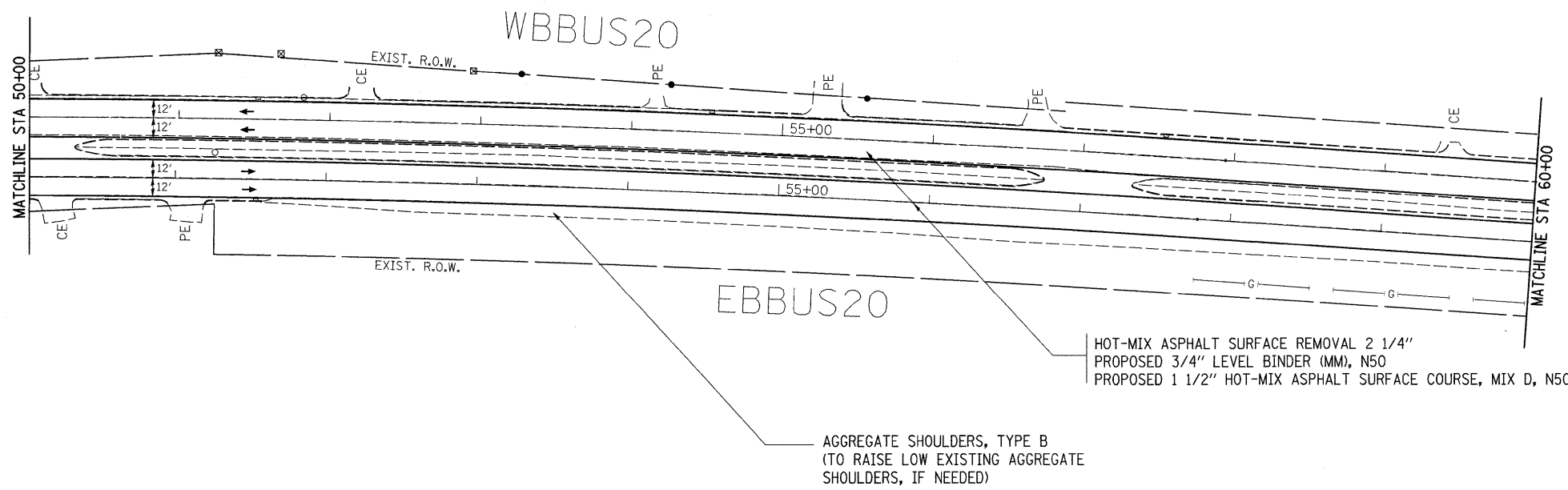
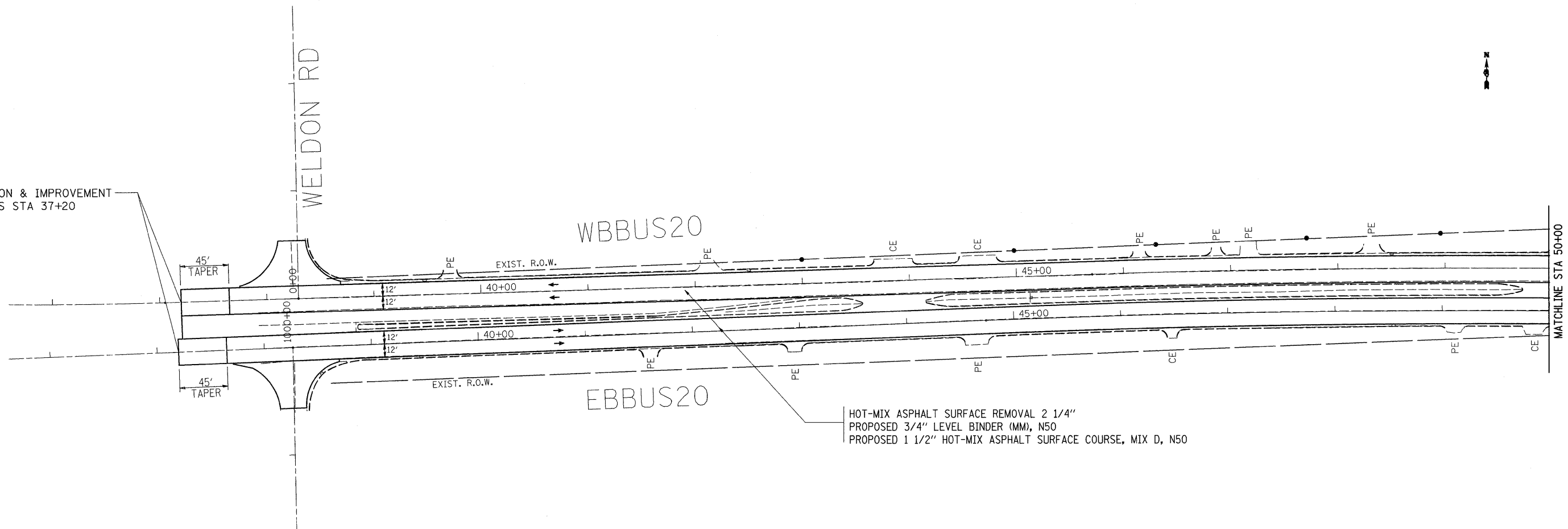
FILE NAME = c:\projects\p211406\dl1406ovr.dgn	USER NAME = polznej	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PARTIAL DEPTH PAVEMENT PATCHING</b>				F.A.P. RTE. 303	SECTION (40)RT	COUNTY WINNEBAGO	TOTAL SHEETS 67	SHEET NO. 22
	PLOT SCALE = 50.0000' / IN.	DRAWN -	REVISED -		SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT		
	PLOT DATE = Mon Aug 04 11:44:19 2008	CHECKED -	REVISED -								CONTRACT NO. 64C65		
		DATE -	REVISED -										

# PARTIAL DEPTH PAVEMENT PATCHING (CONT.)

12FEET LANE WIDTH

STATION	REMARKS	LENGTH OF PATCH		AREA OF PATCHES				HOT-MIX ASPHALT REMOVAL OVER PATCHES - 6"		HOT-MIX ASPHALT REPLACEMENT OVER PATCHES - 6"	
		LT LANE (feet)	RT LANE (feet)	TYPE 2		TYPE 3		LT LANE (yd <sup>2</sup> )	RT LANE (yd <sup>2</sup> )	LT LANE TON	RT LANE TON
				LT LANE (yd <sup>2</sup> )	RT LANE (yd <sup>2</sup> )	LT LANE (yd <sup>2</sup> )	RT LANE (yd <sup>2</sup> )				
US BUS 20 (EB)											
58 + 36		6	6	8.0	8.0			9.3	9.3	3.14	3.14
58 + 91		6	6	8.0	8.0			9.3	9.3	3.14	3.14
59 + 91		6	6	8.0	8.0			9.3	9.3	3.14	3.14
61 + 22		6	6	8.0	8.0			9.3	9.3	3.14	3.14
61 + 36		6	6	8.0	8.0			9.3	9.3	3.14	3.14
62 + 36		6	6	8.0	8.0			9.3	9.3	3.14	3.14
62 + 84		10	10	13.3	13.3			14.7	14.7	4.93	4.93
63 + 55		6	6	8.0	8.0			9.3	9.3	3.14	3.14
65 + 76		6	6	8.0	8.0			9.3	9.3	3.14	3.14
66 + 63		6	6	8.0	8.0			9.3	9.3	3.14	3.14
67 + 63		6	6	8.0	8.0			9.3	9.3	3.14	3.14
69 + 12		10	10	13.3	13.3			14.7	14.7	4.93	4.93
69 + 70		15	15			20.0	20.0	21.3	21.3	7.17	7.17
69 + 97		6		8.0				9.3		3.14	
70 + 99		10	10	13.3	13.3			14.7	14.7	4.93	4.93
74 + 40		6	6	8.0	8.0			9.3	9.3	3.14	3.14
75 + 65		6	6	8.0	8.0			9.3	9.3	3.14	3.14
76 + 90		6	6	8.0	8.0			9.3	9.3	3.14	3.14
79 + 25		6	6	8.0	8.0			9.3	9.3	3.14	3.14
80 + 49		6	6	8.0	8.0			9.3	9.3	3.14	3.14
81 + 70		6	6	8.0	8.0			9.3	9.3	3.14	3.14
82 + 30			6		8.0				9.3		3.14
TOTAL				402.7	434.7	20.0	20.0	486.7	524.0	163.5	176.1
PAY FOR % OF TOTAL				61.3	69.3	20.0	20.0				
GRAND TOTAL				130.6		40.0		1010.7		339.6	

SECTION & IMPROVEMENT  
BEGINS STA 37+20



AGGREGATE SHOULDERS, TYPE B  
(TO RAISE LOW EXISTING AGGREGATE  
SHOULDERS, IF NEEDED)

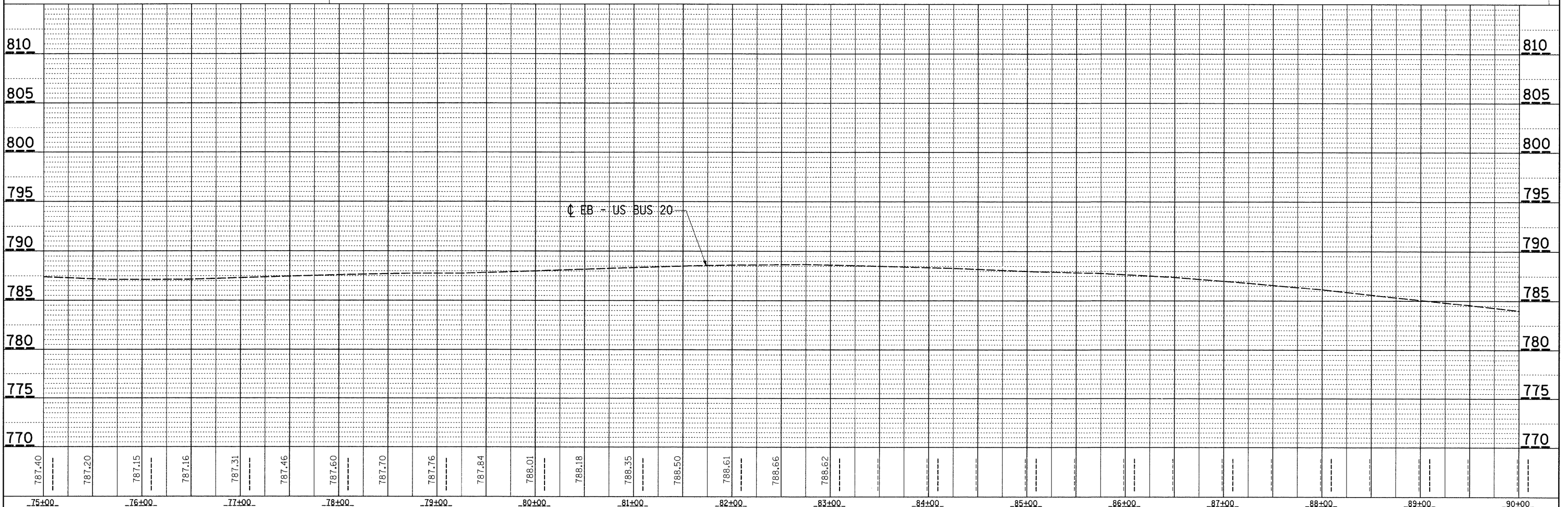
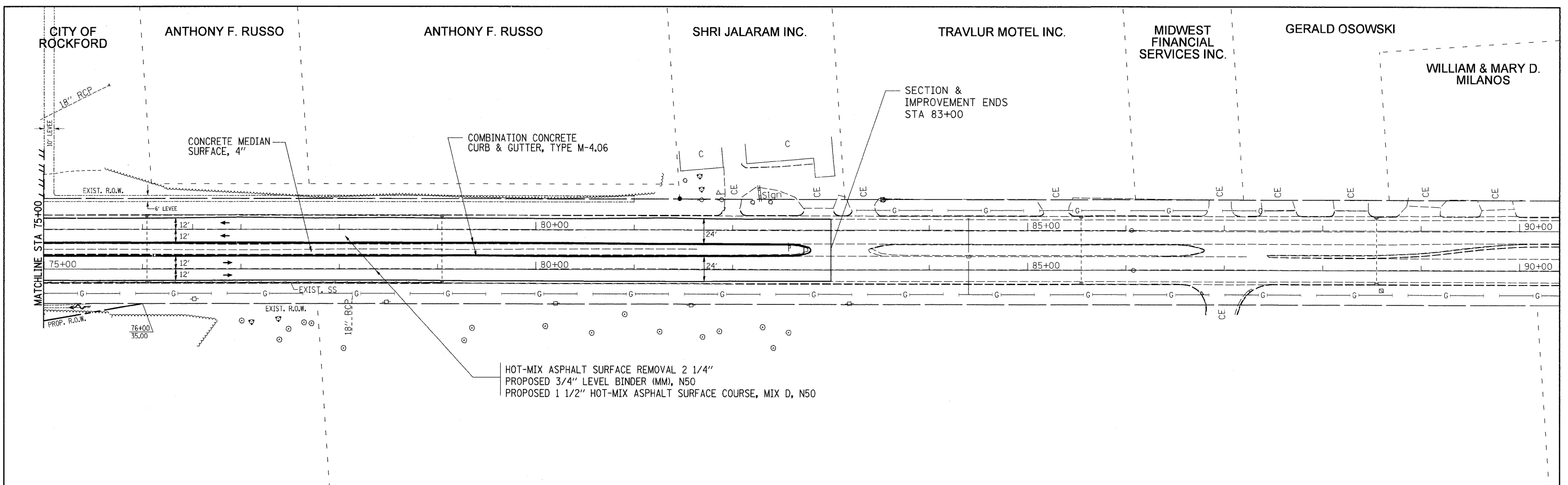
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	PLCT DATE = Mon Aug 04 13:33:49 2008	DATE -	REVISED -					CONTRACT NO. 64C65		FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT		
				SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.			





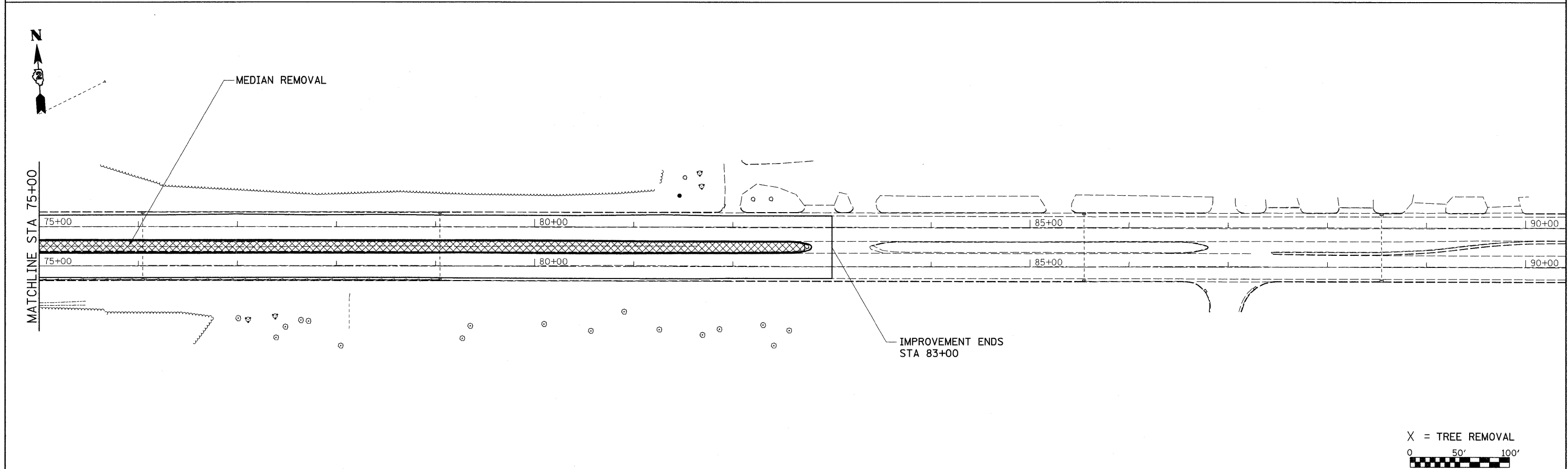
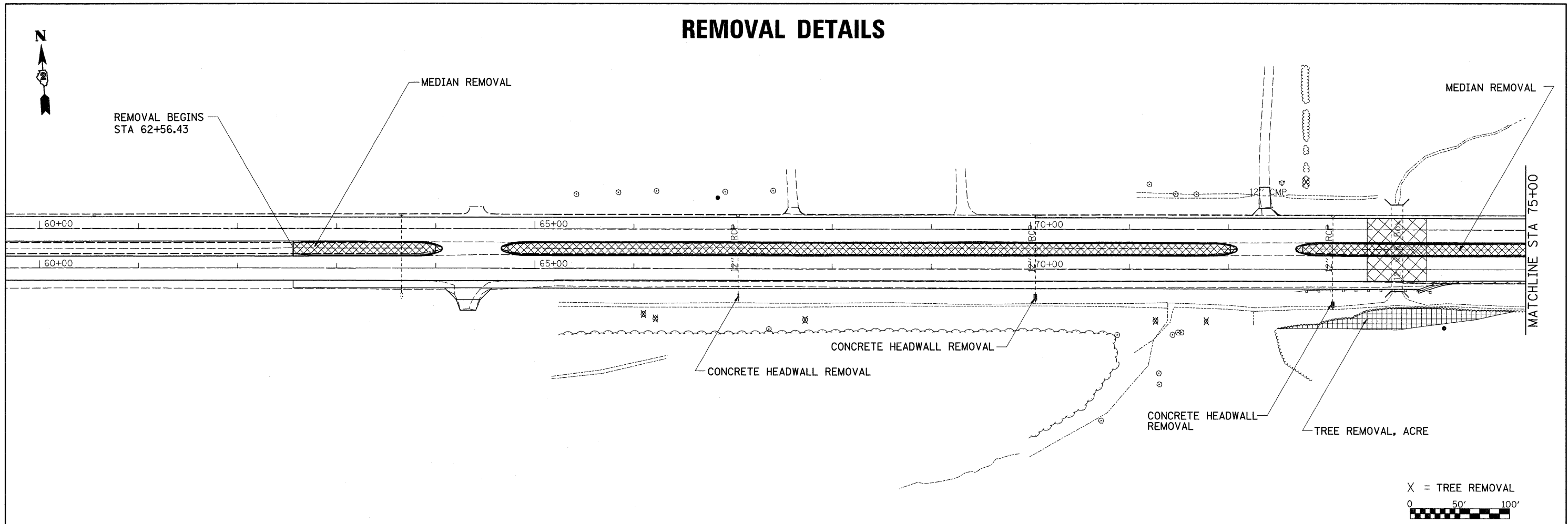
PLAN  
 SURVEYED \_\_\_\_\_  
 NOTE BOOK \_\_\_\_\_  
 NO. \_\_\_\_\_

PROFILE  
 SURVEYED \_\_\_\_\_  
 NOTE BOOK \_\_\_\_\_  
 NO. \_\_\_\_\_



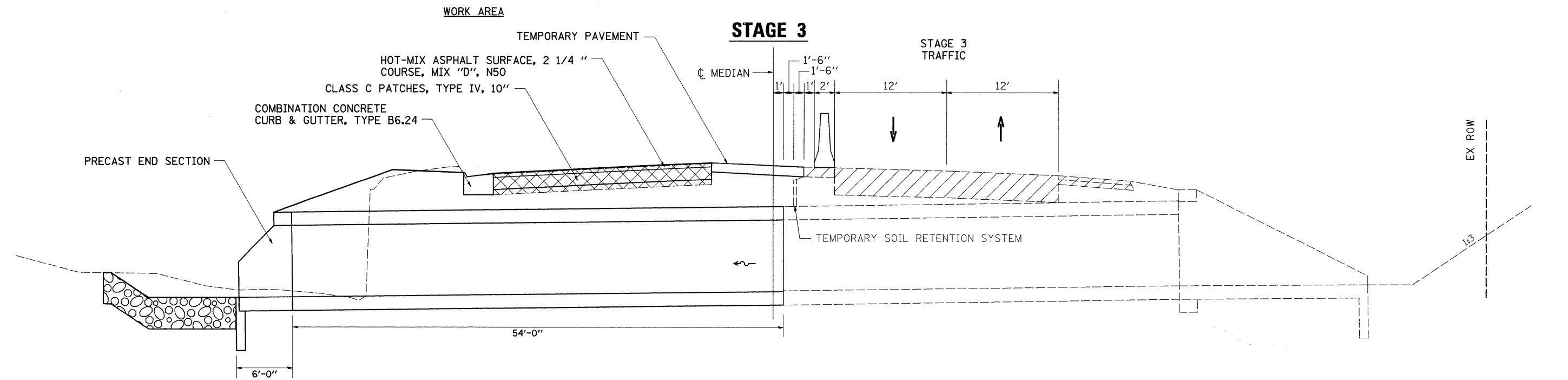
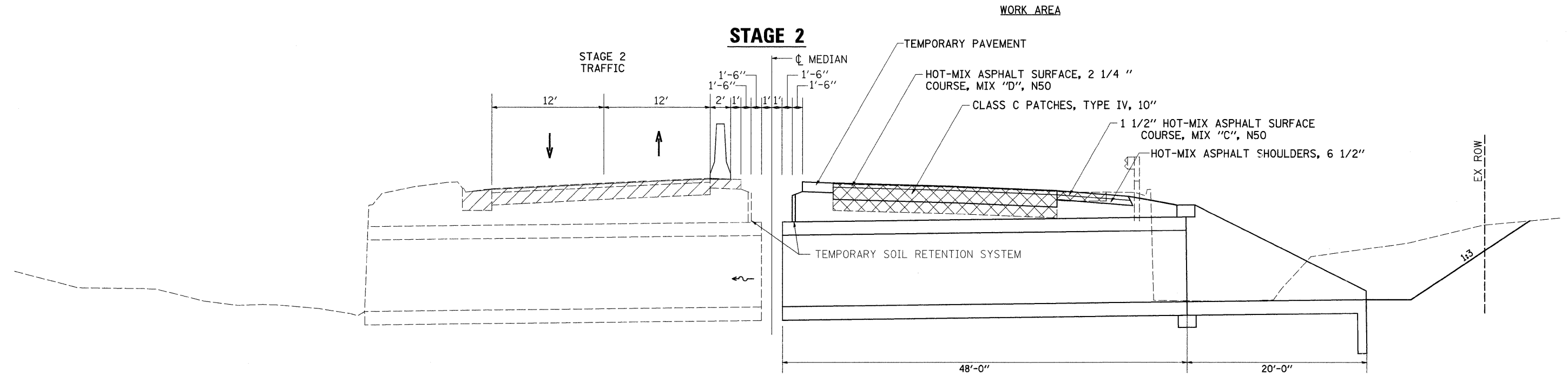
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PLOT DATE = Thu Aug 21 08:35:11 2008	DATE -	REVISED -											

# REMOVAL DETAILS



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	PLOT DATE = Mon Aug 04 13:38:23 2008	CHECKED -	REVISED -		FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT								
		DATE -	REVISED -										

# STAGING TYPICALS

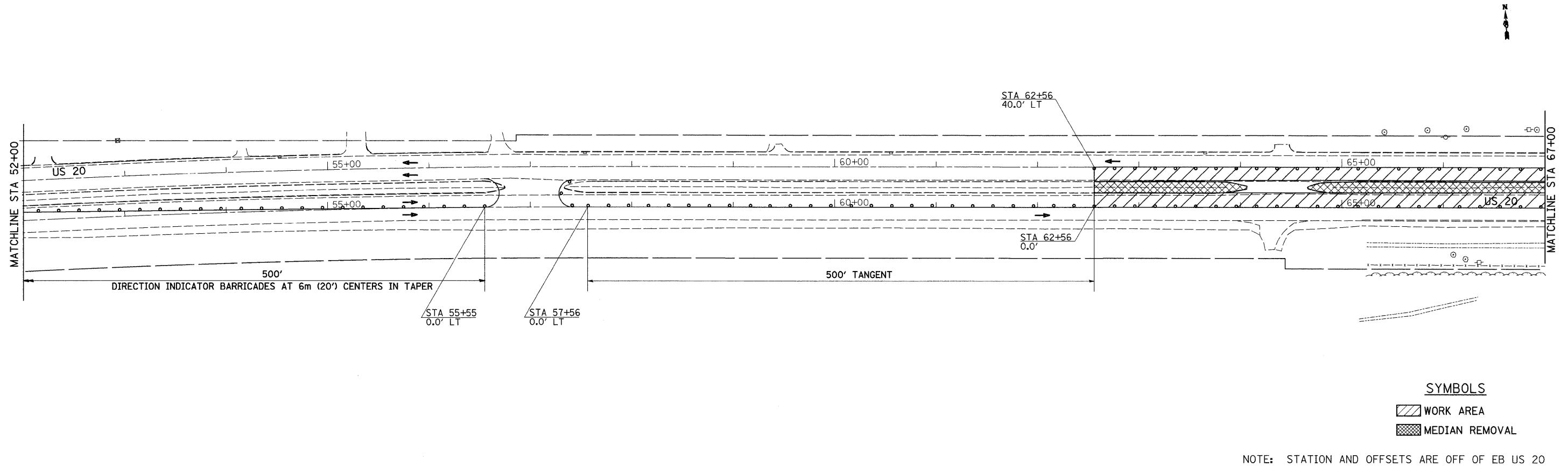
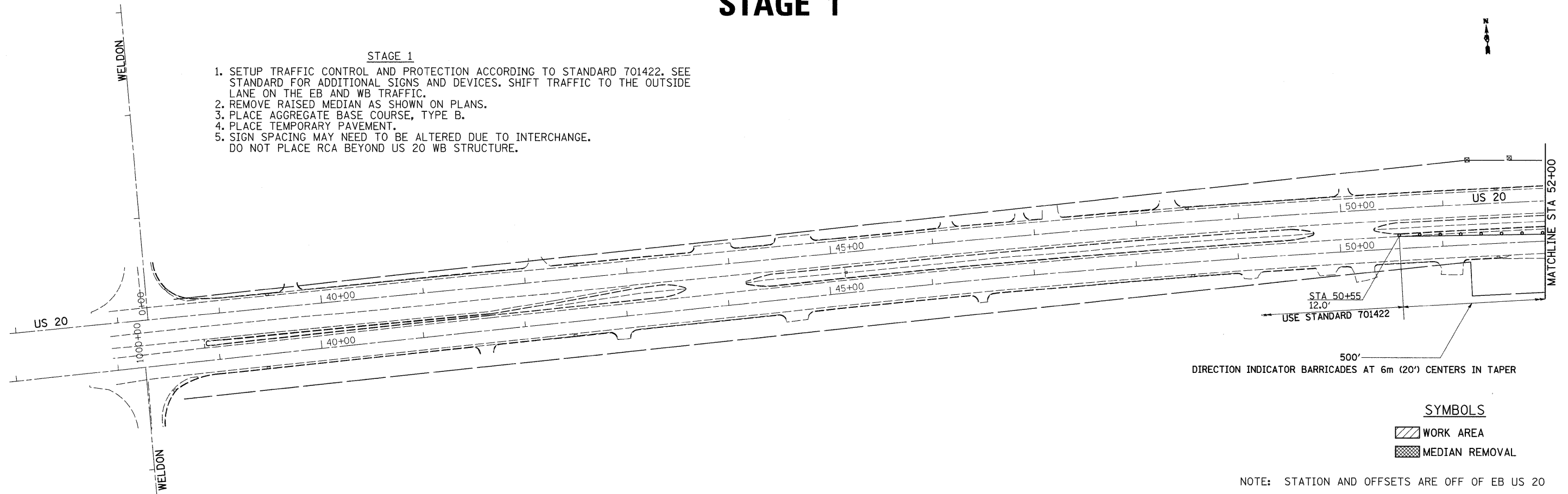


- EXISTING PAVEMENT
- PAVEMENT REMOVAL

FILE NAME = c:\projects\p211406\dl1406stg.dgn	USER NAME = polzinej	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>STAGING TYPICALS</b>	F.A.P. RTE. 303	SECTION (40R)T	COUNTY WINNEBAGO	TOTAL SHEETS 67	SHEET NO. 28
PLOT SCALE = 50.0000' / IN.				SCALE:		CONTRACT NO. 64C65				
PLOT DATE = Mon Aug 04 14:50:18 2008				DATE		FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				

# STAGE 1

- STAGE 1**
1. SETUP TRAFFIC CONTROL AND PROTECTION ACCORDING TO STANDARD 701422. SEE STANDARD FOR ADDITIONAL SIGNS AND DEVICES. SHIFT TRAFFIC TO THE OUTSIDE LANE ON THE EB AND WB TRAFFIC.
  2. REMOVE RAISED MEDIAN AS SHOWN ON PLANS.
  3. PLACE AGGREGATE BASE COURSE, TYPE B.
  4. PLACE TEMPORARY PAVEMENT.
  5. SIGN SPACING MAY NEED TO BE ALTERED DUE TO INTERCHANGE. DO NOT PLACE RCA BEYOND US 20 WB STRUCTURE.

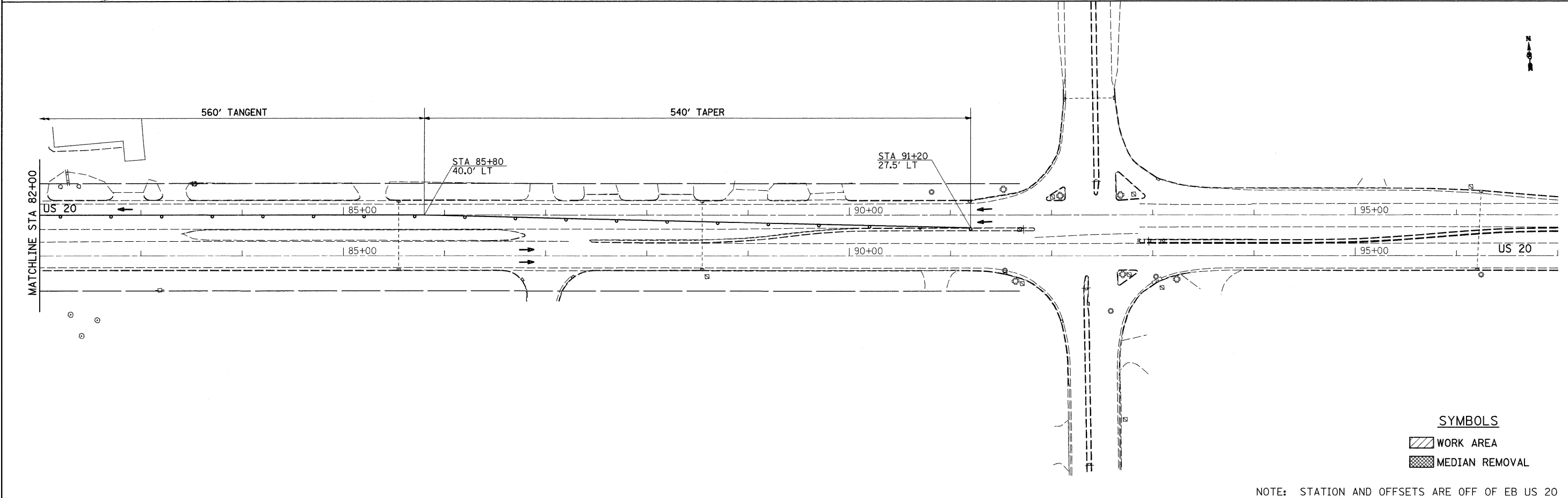
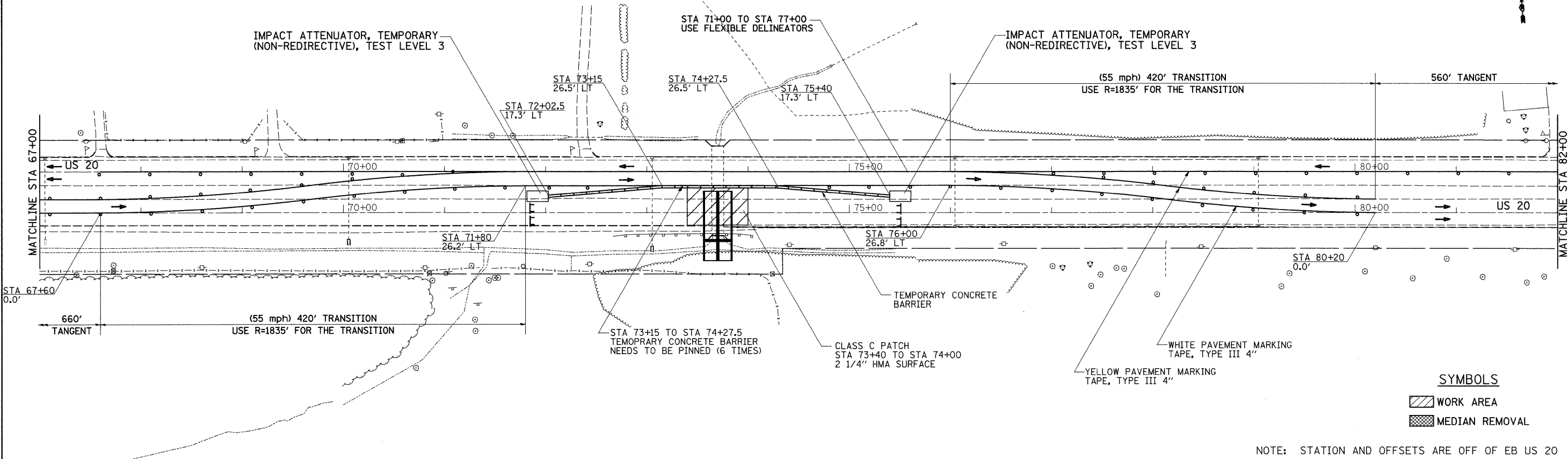


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	PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED -		SCALE:	SHEET NO. OF SHEETS	STA. 37+00 TO STA. 67+00	CONTRACT NO. 64C65				
	PLOT DATE = Mon Aug 04 14:50:18 2008	DATE -	REVISED -		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT							





# STAGE 2

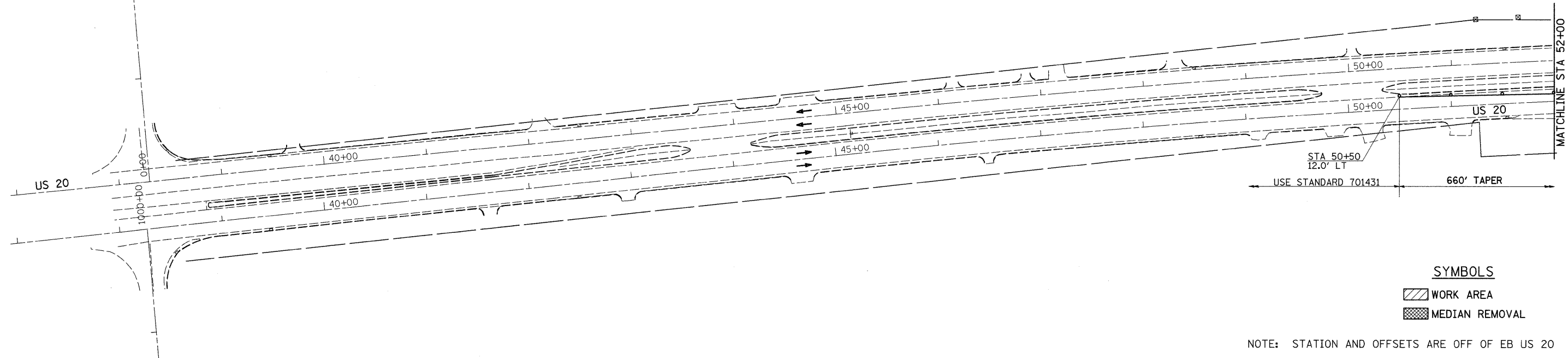


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	PLOT DATE = Mon Aug 04 14:50:19 2008	CHECKED -	REVISED -									
		DATE -	REVISED -									



# STAGE 3

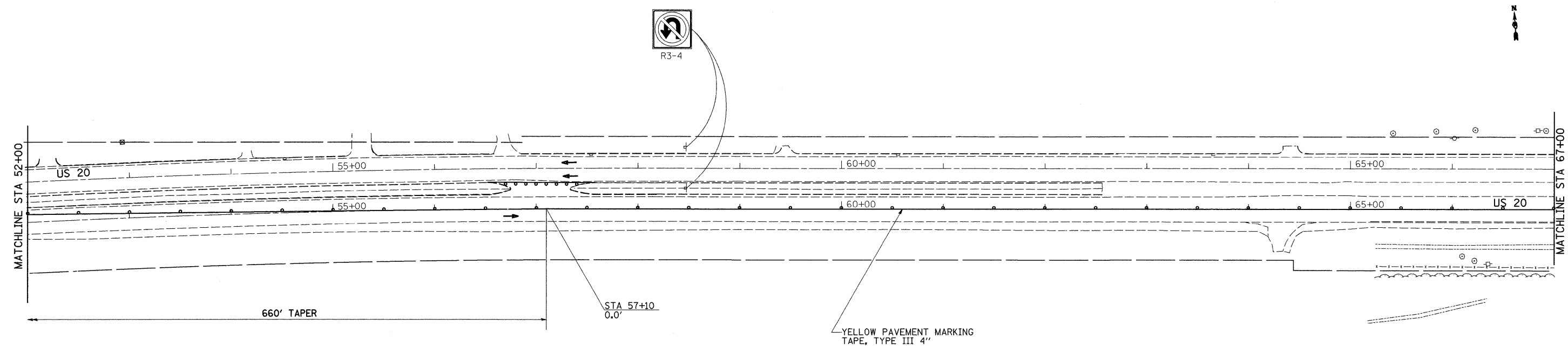
- STAGE 3
1. SETUP TRAFFIC CONTROL AND SIGNING ACCORDING TO STANDARD 701431. SEE STANDARD FOR ADDITIONAL SIGNS AND DEVICES. SHIFT WB TRAFFIC ONTO EB INSIDE LANE AND EB TRAFFIC ONTO EB OUTSIDE LANE.
  2. REMOVE PAVEMENT AS SHOWN ON PLANS.
  3. REMOVE NORTH HALF OF EXISTING CULVERT.
  4. CONSTRUCT PRECAST BOX CULVERT, GRATED END SECTIONS AND BACKFILL.
  5. CONSTRUCT CLASS C PATCH.



### SYMBOLS

- WORK AREA
- MEDIAN REMOVAL

NOTE: STATION AND OFFSETS ARE OFF OF EB US 20



### SYMBOLS

- WORK AREA
- MEDIAN REMOVAL

NOTE: STATION AND OFFSETS ARE OFF OF EB US 20

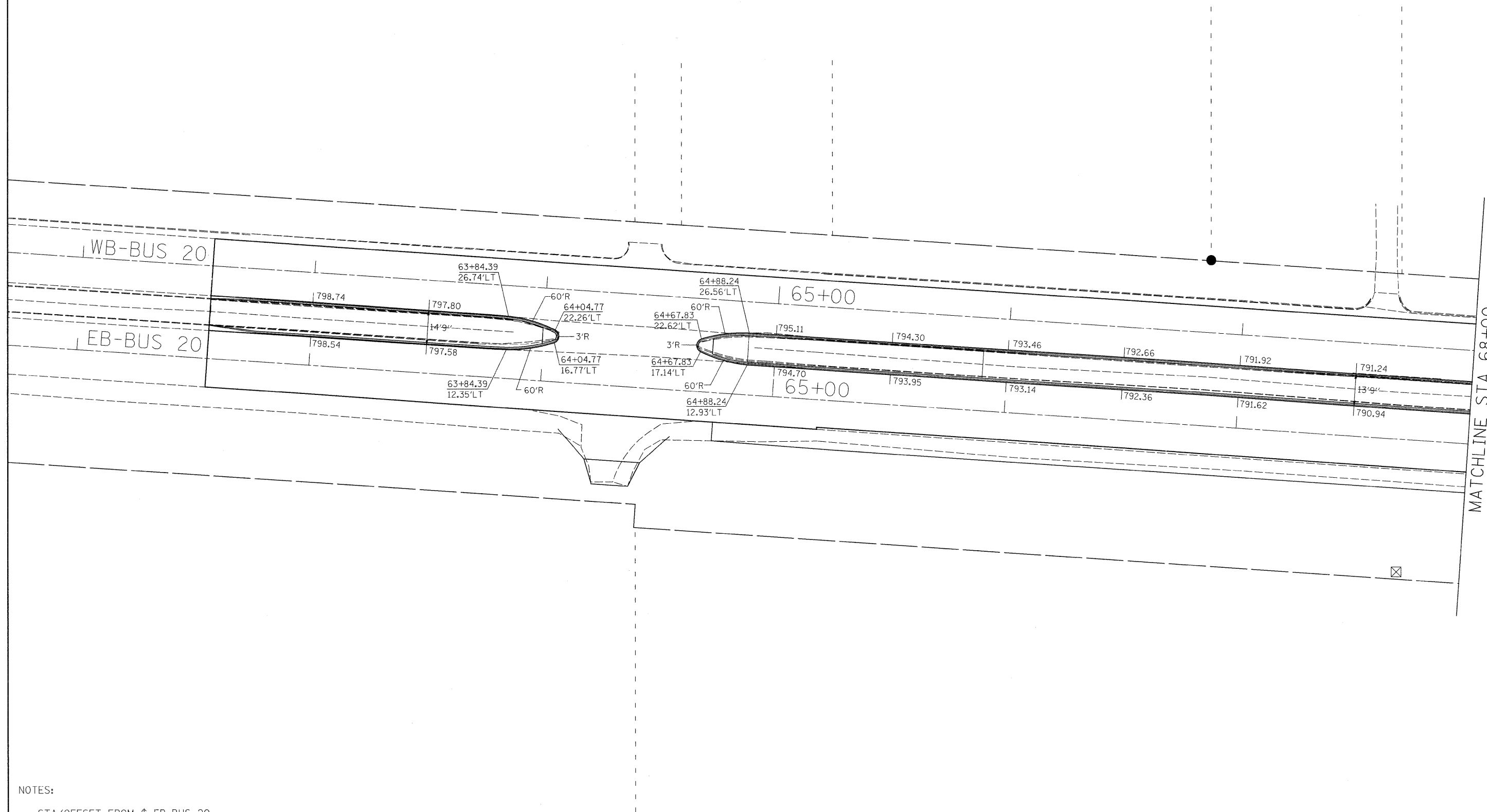
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	PLOT SCALE = 50.0000' / IN.	DRAWN -	REVISED -		SCALE:	SHEET NO.	OF	SHEETS	STA. 37+00	TO STA. 67+00	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT
	PLOT DATE = Mon Aug 04 14:50:19 2008	CHECKED -	REVISED -									
		DATE -	REVISED -									







# PAVEMENT ELEVATIONS



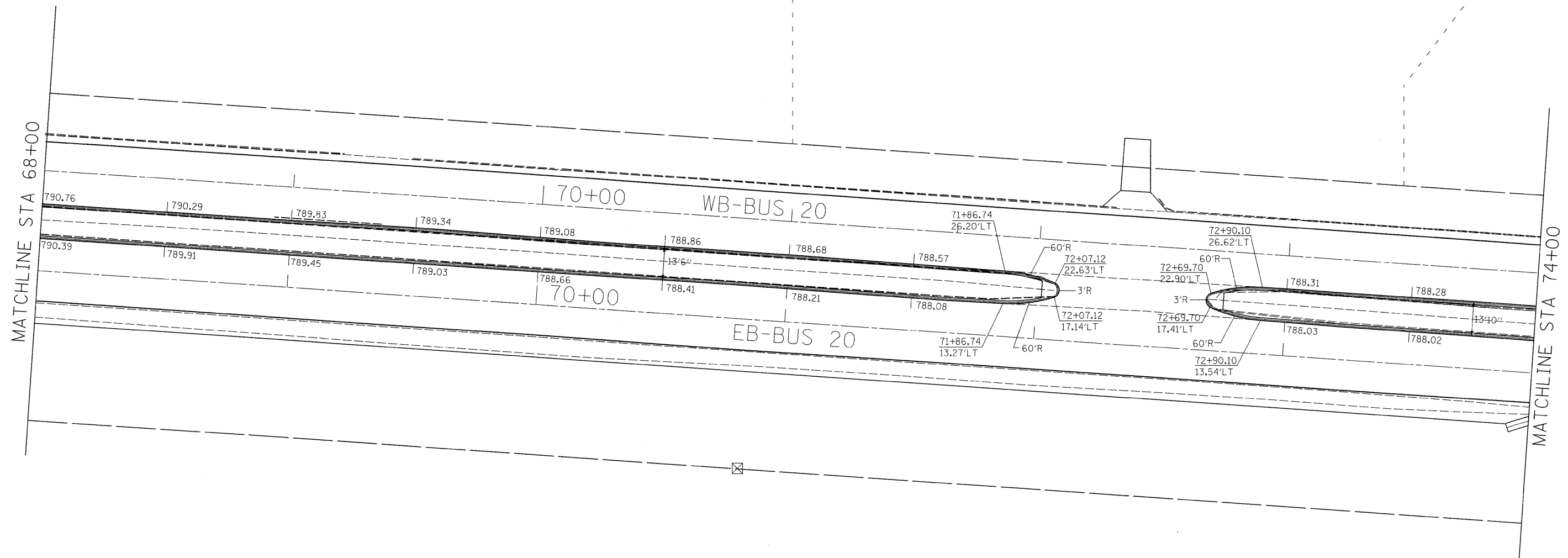
**NOTES:**

STA/OFFSET FROM  $\phi$  EB-BUS 20  
PROPOSED MEDIAN ELEVATIONS @ 50' INTERVALS

\* ELEVATIONS ARE AT THE GUTTER FLAG

FILE NAME = c:\projects\p211406\dl1406e1.dgn	USER NAME = polzinej	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PAVEMENT ELEVATIONS</b>				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED -						303	(40R)T	WINNEBAGO	67	37
PLOT DATE = Mon Aug 04 13:20:14 2008	DATE -	REVISED -	REVISED -	SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO. 64C65	

# PAVEMENT ELEVATIONS



**NOTES:**

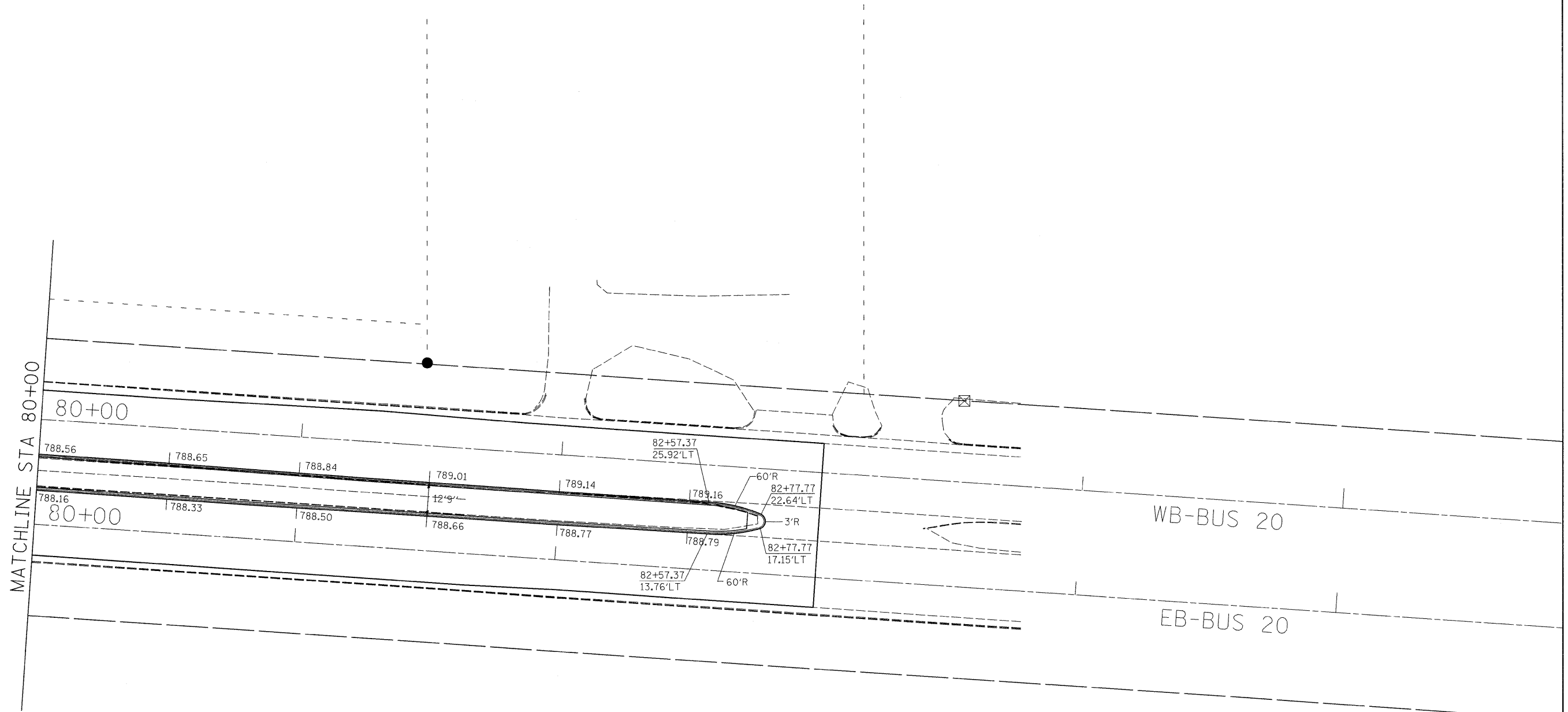
STA/OFFSET FROM  $\phi$  EB-BUS 20  
PROPOSED MEDIAN ELEVATIONS @ 50' INTERVALS

\* ELEVATIONS ARE AT THE GUTTER FLAG

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# PAVEMENT ELEVATIONS



**NOTES:**

STA/OFFSET FROM  $\uparrow$  EB-BUS 20  
 PROPOSED MEDIAN ELEVATIONS @ 50' INTERVALS

\* ELEVATIONS ARE AT THE GUTTER FLAG

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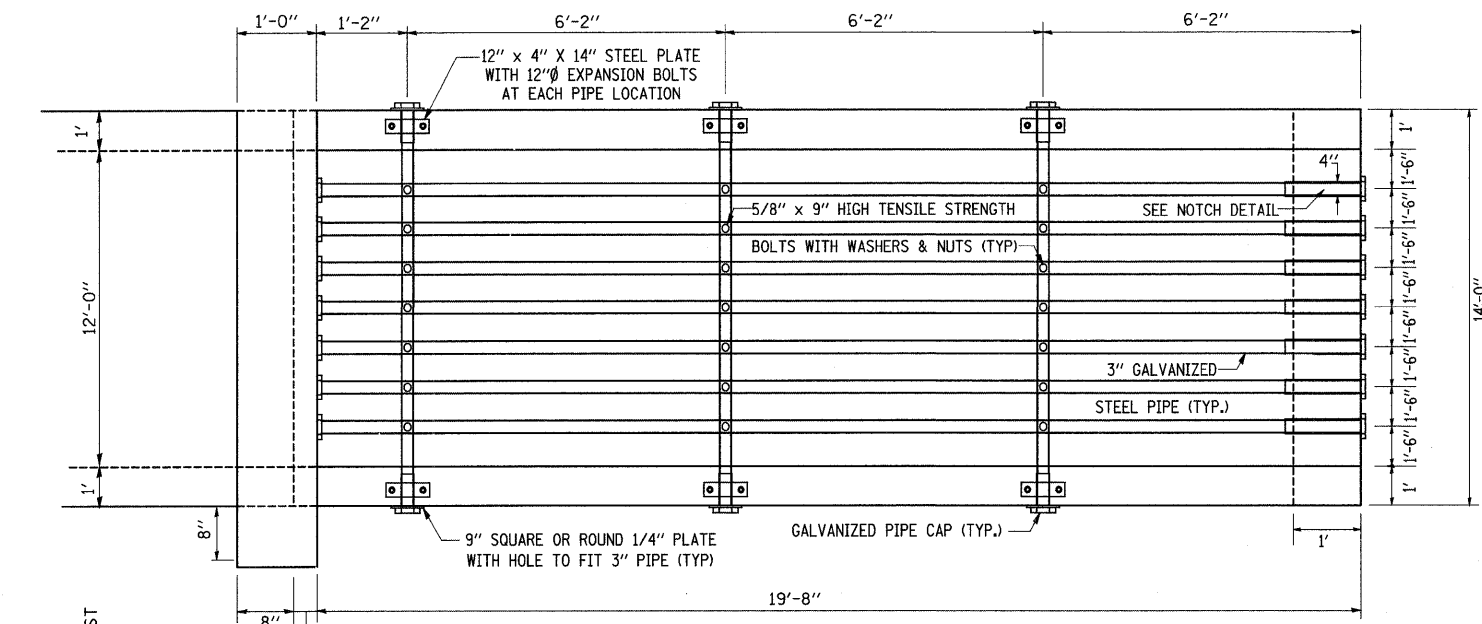




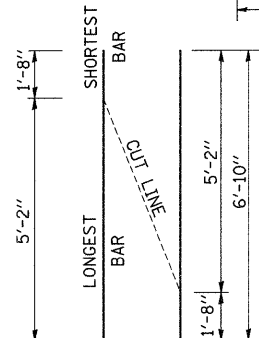


# GRATED CULVERT EXTENSION NO. 1

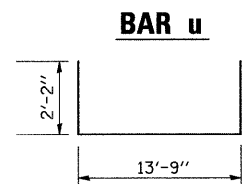
STA. 73 + 70 LT



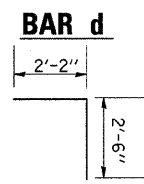
**PLAN VIEW**



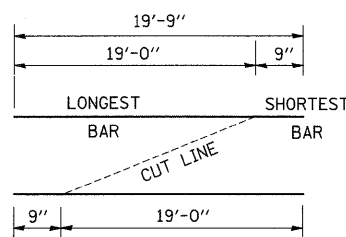
**BAR v CUT DIAGRAM**



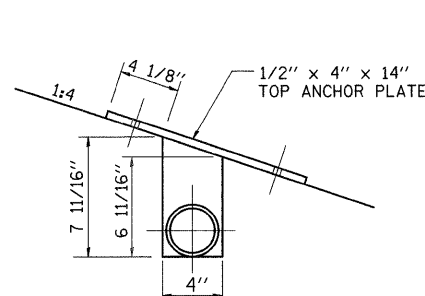
**BAR u**



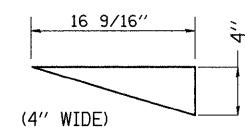
**BAR d**



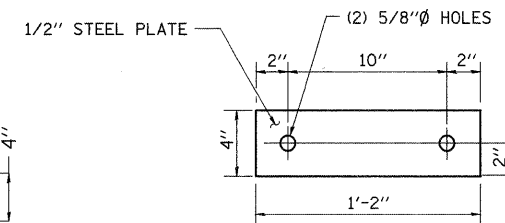
**BAR h CUT DIAGRAM**



**DETAIL "A"**



**NOTCH DETAIL**



**TOP ANCHOR PLATE**

**\*CONNECTION COLLAR BILL OF MATERIALS**

BAR	NO.	SIZE	LENGTH	SHAPE	LBS
h3	4	4	29'-3"	—	78.16
v1	8	4	7'-2"	—	38.30
TOTAL					116.46
DESCRIPTION		UNIT	QTY		
CLASS "SI" CONCRETE		CU YD	1.8		
REINFORCEMENT BARS		LB	116.45		

\*FOR INFORMATIONAL PURPOSES ONLY.  
COST TO BE INCLUDED IN THE BID ITEM  
"PRECAST CONCRETE BOX CULVERT 12'x4' "

**\*\*GRATED CULVERT EXTENSION, NO. 1  
BILL OF MATERIALS FOR ONE EXTENSION**

BAR	NO.	SIZE	LENGTH	SHAPE	LBS	
a	3	4	13'-9"	—	27.56	
d	15	4	4'-8"	└	46.76	
h	6	4	19'-9"	—	79.16	
h1	15	4	19'-9"	—	197.90	
h2	6	4	5'-11"	—	23.71	
v	14	4	6'-10"	—	63.91	
u	21	4	18'-1"	└	253.67	
TOTAL					692.67	
DESCRIPTION					UNIT	QTY
CLASS "SI" CONCRETE					CU YD	15.3
REINFORCEMENT BARS					LB	692.66
3" I.D. GALVANIZED STEEL PIPE					3 @	14'-4"
					7 @	20'-6"
3" GALV. PIPE CAPS					EACH	20
1/4" GALV. STEEL PLATE (9" NORMAL)					EACH	6
1/2"x4"x14" GALV. STEEL PLATES					EACH	6
5/8"x9" GALV. STEEL BOLTS					EACH	21
EXPANSION BOLTS 1/2"					EACH	12

\*\* QUANTITIES GIVEN ARE FOR ONE EACH BOX CULVERT END SECTION FOR INFORMATIONAL PURPOSES ONLY. COST TO BE INCLUDED IN THE BID ITEM "GRATED CULVERT EXTENSION, NO. 1.

**GENERAL NOTES:**

SLOPE FLOW LINE OF THE EXTENSION AT THE SAME RATE AS THE FLOW LINE OF THE PIPE.

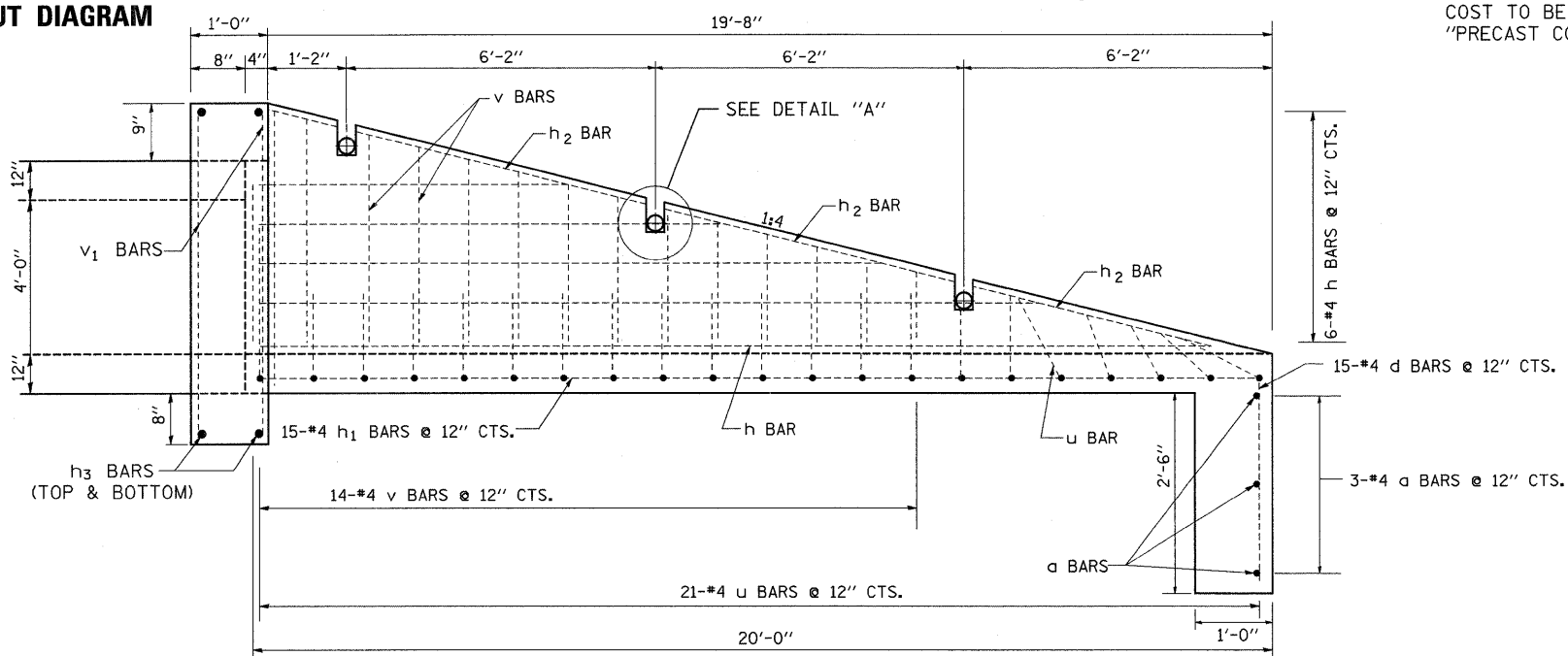
BOLTS, NUTS AND WASHERS SHALL BE IN ACCORDANCE WITH ARTICLE 710.11 OF THE STANDARD SPECIFICATION AND SHALL BE GALVANIZED.

THE CONTRACT UNIT PRICE "EACH" FOR GRATED CULVERT EXTENSION NO. 1 SHALL INCLUDE THE EXPANSION BOLTS, GALVANIZED PIPE & CAPS, PLATES, CLASS SI CONCRETE, REINFORCEMENT BARS, BOLTS, NUTS, WASHERS, INSTALLATION ON THE PROPOSED CULVERT, EARTH EXCAVATION WHERE REQUIRED, AND ANY NECESSARY GRADING TO FIT INLET AS SHOWN IN THE CROSS SECTIONS OR TO SLOPE.

STEEL PIPES SHALL CONFORM TO A.S.T.M. A-53 (TYPE E OR S) GRADE B, SCHEDULE 40 AND SHALL BE GALVANIZED CONFORMING TO A.S.T.M. A-120. CONTRACTOR SHALL FIELD VERIFY PIPE LENGTH.

STEEL PLATES SHALL CONFORM TO AASHTO M-183 AND SHALL BE GALVANIZED CONFORMING TO AASHTO M-111.

SEE PLAN PROFILE SHEET FOR MORE INFORMATION.  
SEE CULVERT LOCATION PLANS FOR MORE INFORMATION.

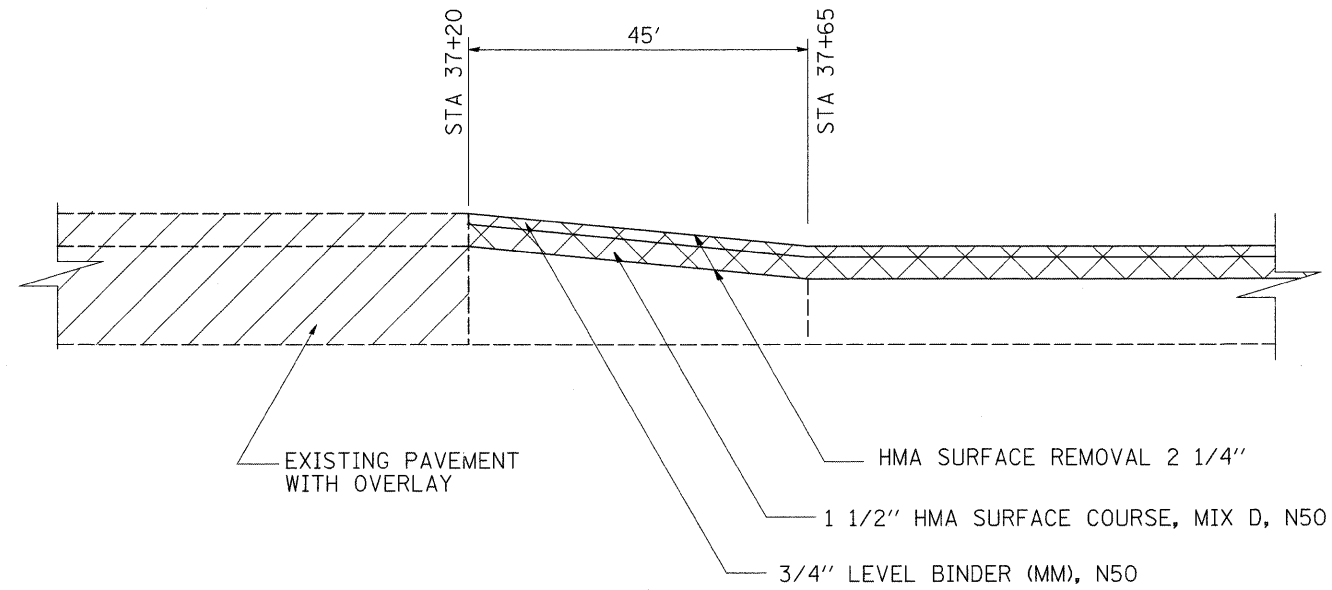


**PROFILE VIEW**

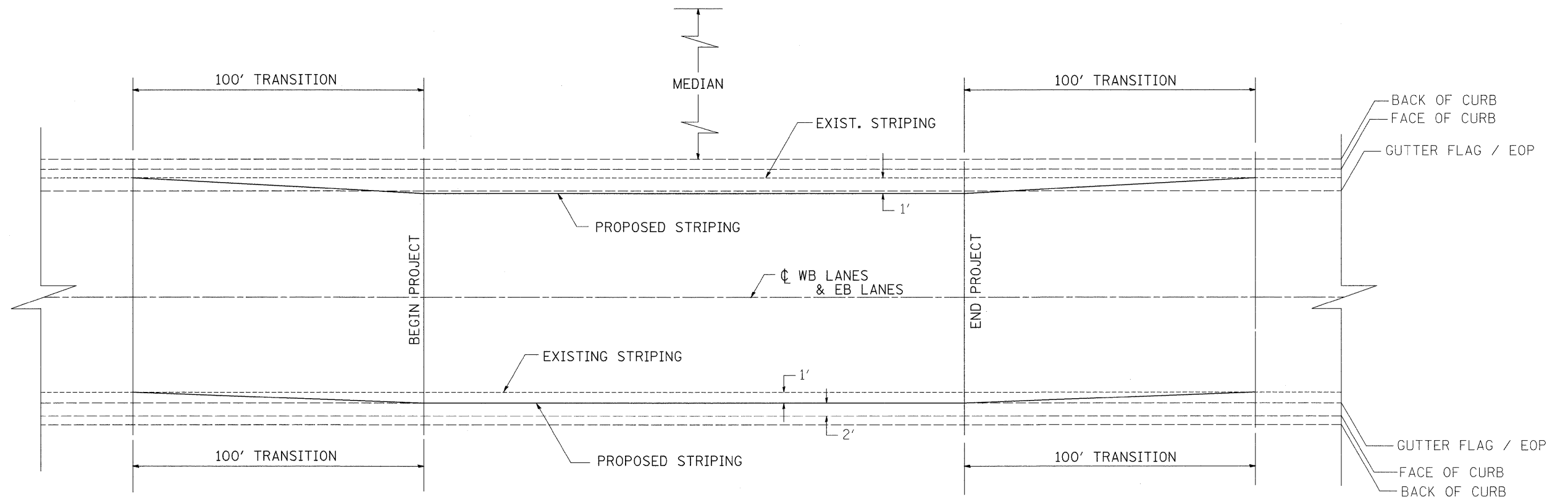
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PLOT SCALE = 5/8" = 1' / IN.	CHECKED -	REVISED -	CONTRACT NO. 64C65									
PLOT DATE = Mon Aug 04 11:37:50 2008	DATE -	REVISED -	SCALE: SHEET NO. OF SHEETS STA. TO STA.									
			FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT									



# TAPER DETAIL

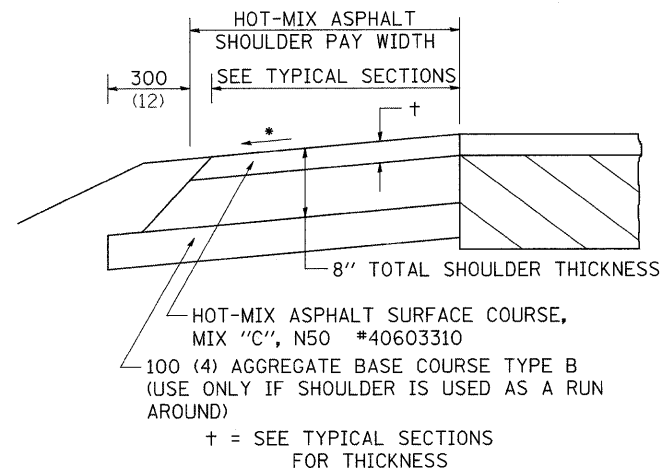


# STRIPING TRANSITION DETAIL



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PLOT SCALE = 50,0000' / IN.	CHECKED -	REVISED -	SCALE:			SHEET NO. OF SHEETS	STA. TO STA.	FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			
PLOT DATE = Mon Aug 04 11:37:51 2008	DATE -	REVISED -						CONTRACT NO. 64C65			

# HOT-MIX ASPHALT SHOULDER



## GENERAL NOTES

THE HOT-MIX ASPHALT SHOULDER SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 482 EXCEPT THE TOP LIFT SHALL BE HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 #40603310. THE WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER TON FOR HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 #40603310 AND SQUARE YARD FOR HOT-MIX ASPHALT SHOULDERS OF THE THICKNESS SPECIFIED.

USE HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 #40603310. WHEN RESURFACING EXISTING HOT-MIX ASPHALT SHOULDERS. THE THICKNESS IS SHOWN ON THE TYPICAL SECTIONS. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER TON FOR HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 #40603310.

REMOVAL OF MATERIAL FOR PLACEMENT OF THE HOT-MIX ASPHALT SHOULDER TO BE PAID FOR IN UNITS FOR EXCAVATING AND GRADING EXISTING SHOULDERS OR IN CUBIC YARDS FOR EARTH EXCAVATION OR EARTH EXCAVATION WIDENING.

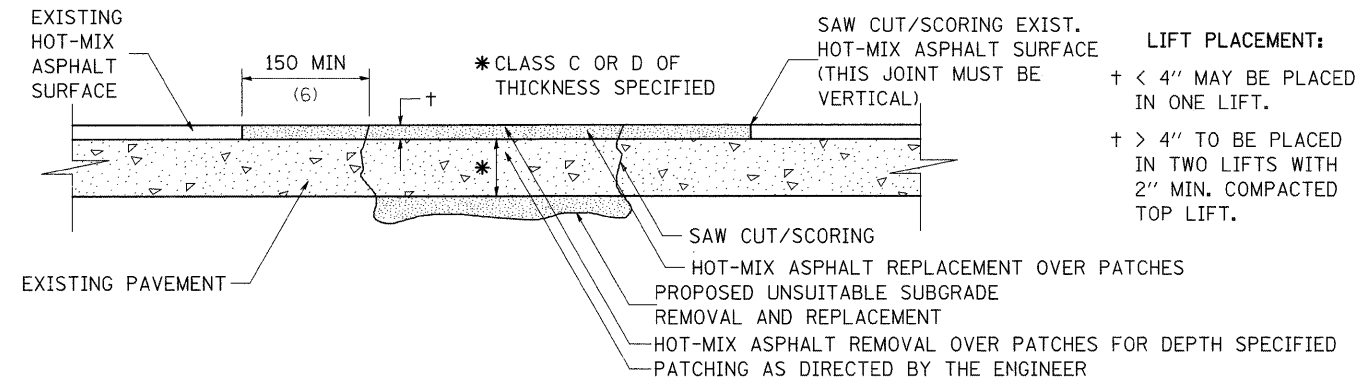
\* 4% WHEN MAINLINE IS ON TANGENT. FOR CROSS SLOPE ON SUPERELEVATION SECTION, SEE HIGHWAY STANDARD 482001 OR 482006.

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

REVISED - 11-01-07

HOT-MIX ASPHALT SHOULDER 23.4a

# PAVEMENT PATCHING FOR HOT-MIX ASPHALT SURFACED PAVEMENT



## SEQUENCE OF CONSTRUCTION:

1. REMOVE THE EXISTING HOT-MIX ASPHALT SURFACE.
2. RESIDENT ENGINEER WILL DETERMINE IF LOCATION IS TO BE PATCHED OR TO ONLY REPLACE HOT-MIX ASPHALT SURFACE.
3. REMOVE AND REPLACE FULL DEPTH PATCHES AT LOCATIONS DIRECTED BY THE ENGINEER.
4. REPLACE HOT-MIX ASPHALT SURFACE OVER FULL DEPTH PATCHES AND AT LOCATIONS OF HOT-MIX ASPHALT SURFACE REMOVAL.

## GENERAL NOTES:

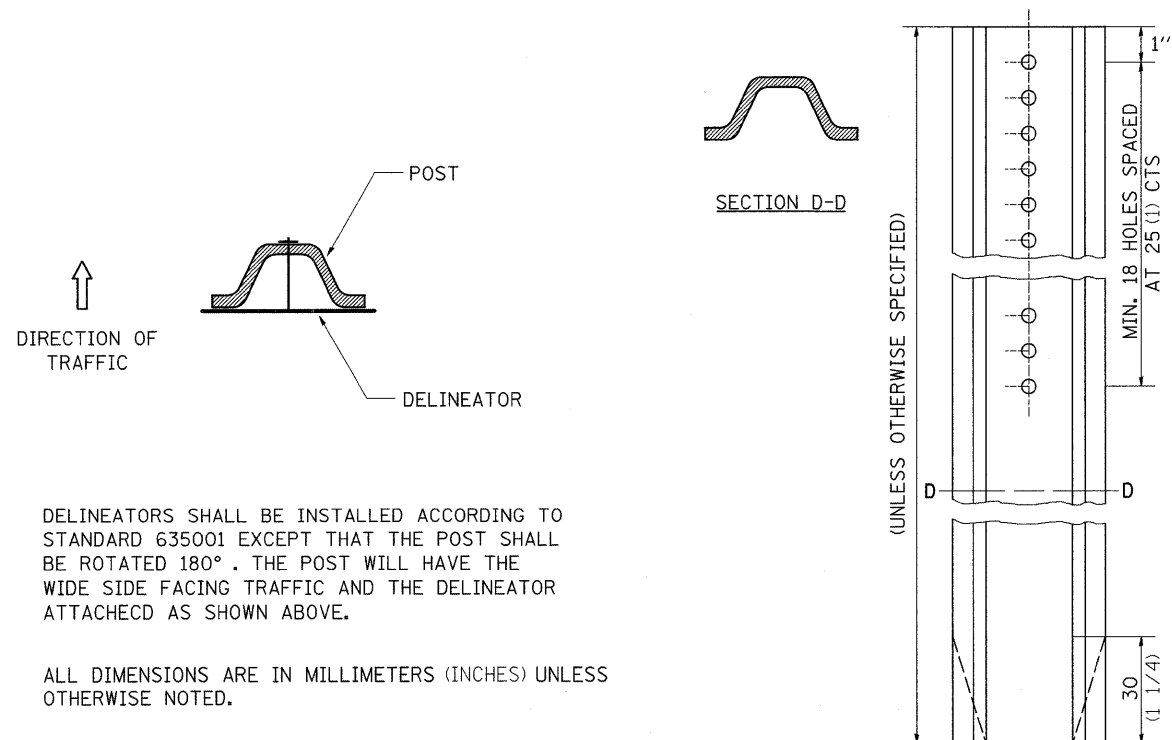
1. THE WIDTH OF THE FULL DEPTH PATCH OVER A TRENCH SHALL BE 300 (12) WIDER ON EACH SIDE OF THE TRENCH.
2. FOR BASIS OF PAYMENT: SEE THE RECURRING SPECIAL PROVISION "PATCHING WITH HOT-MIX ASPHALT OVERLAY REMOVAL".

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

REVISED - 11-01-07

PAVEMENT PATCHING FOR HOT-MIX ASPHALT SURFACED PAVEMENT 32.4

# DELINEATOR AND POST ORIENTATION



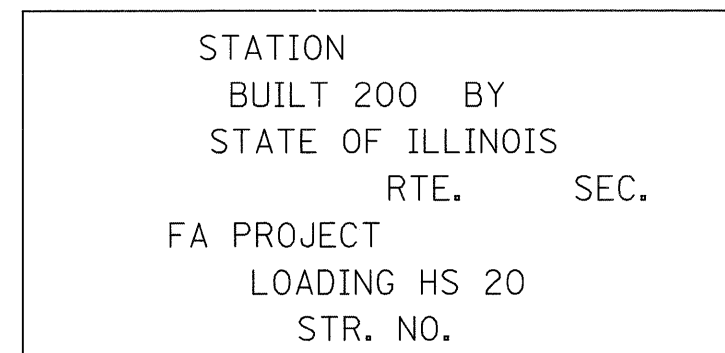
DELINEATORS SHALL BE INSTALLED ACCORDING TO STANDARD 635001 EXCEPT THAT THE POST SHALL BE ROTATED 180°. THE POST WILL HAVE THE WIDE SIDE FACING TRAFFIC AND THE DELINEATOR ATTACHED AS SHOWN ABOVE.

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

REVISED - 11-01-07

DELINEATOR AND POST ORIENTATION 37.4

# LETTERING FOR NAME PLATE



SEE STD. 515001

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

REVISED - 11-01-07

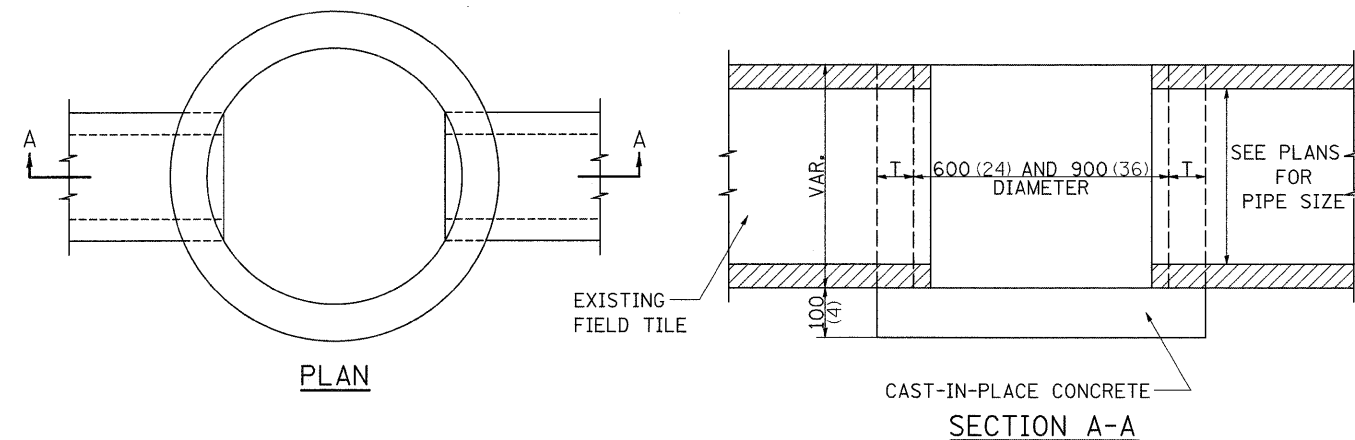
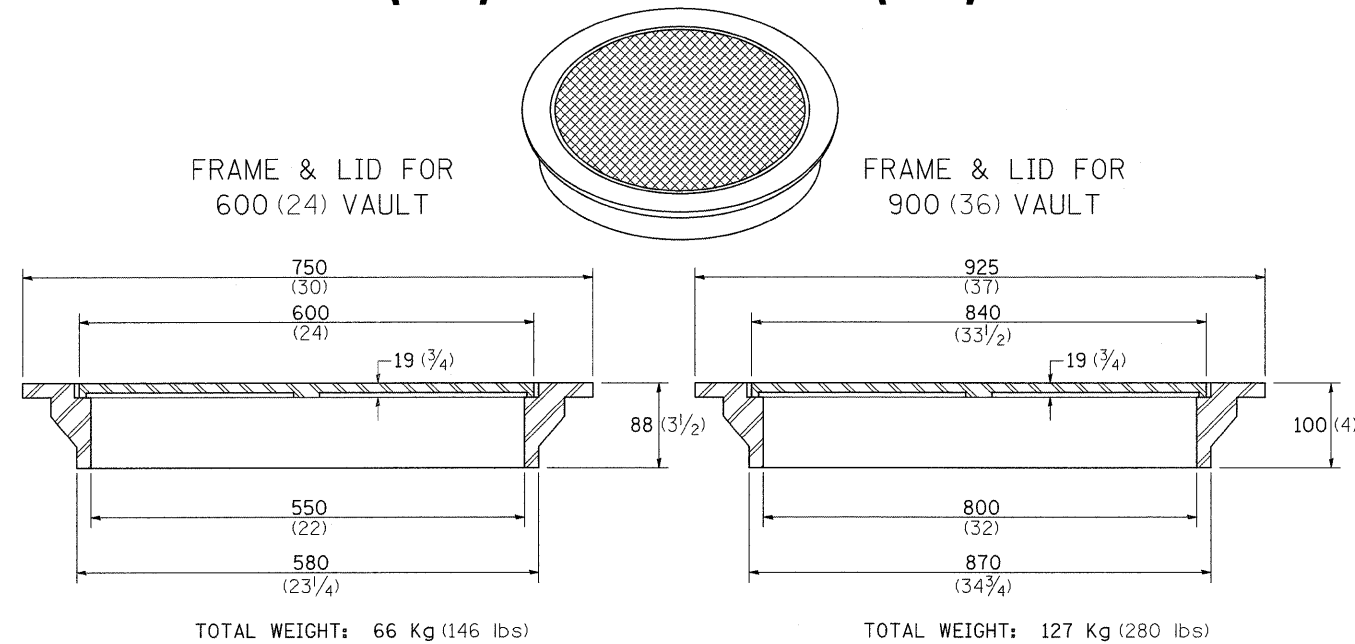
REVISED -	REGION 2 / DISTRICT 2 STANDARD				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
REVISED -	SCALE: 50.0000' / 1"	SHEET NO.	OF SHEETS	STA.	TO STA.	303	(40R)T	WINNEBAGO	67 46
REVISED -					CONTRACT NO. 64C65				
REVISED -					FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				

STATION	STRUCTURE NO.
STA 73+70	101-1079

LETTERING FOR NAME PLATE 89.4



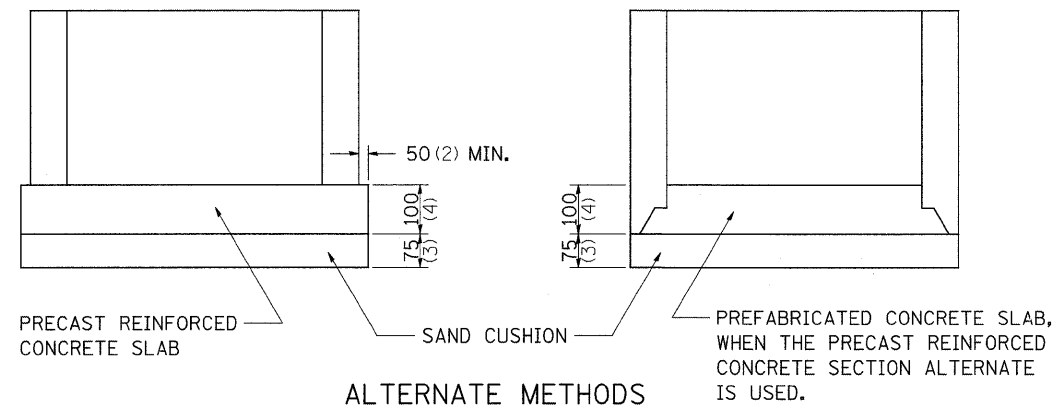
# FIELD TILE JUNCTION VAULTS 600 (24) AND 900 (36) DIA.



ALTERNATE MATERIALS FOR WALLS	T
BRICK MASONRY	200 (8)
CAST-IN-PLACE CONCRETE	150 (6)
CONCRETE MASONRY UNIT	125 (5)
PRECAST REINFORCED CONCRETE SECTION	75 (3)

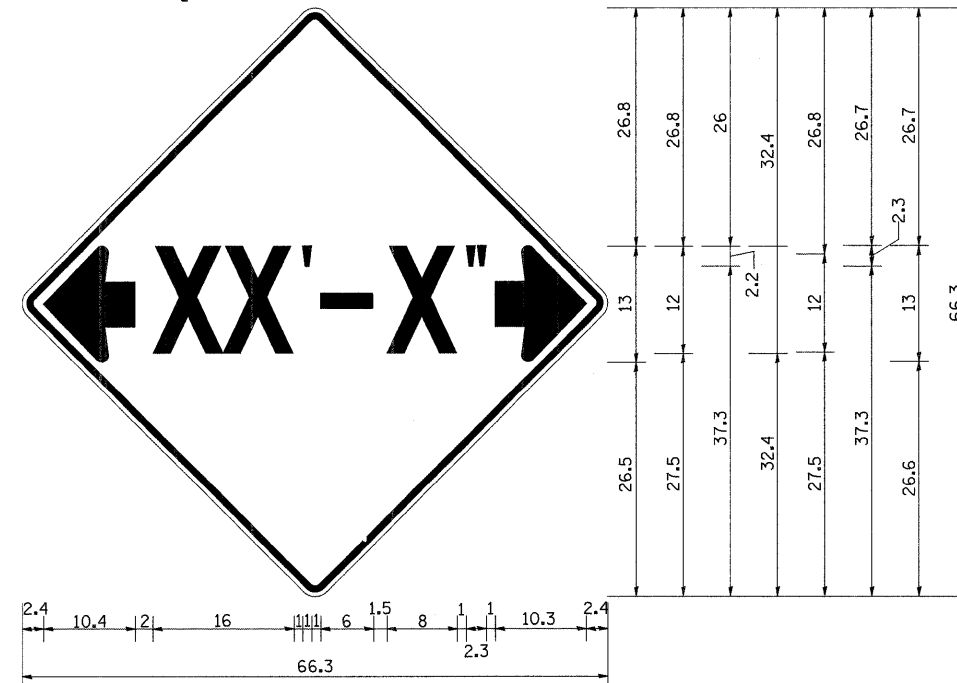
NOTE: THE FRAME AND LID IS REQUIRED ON ALL JUNCTION VAULTS.

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

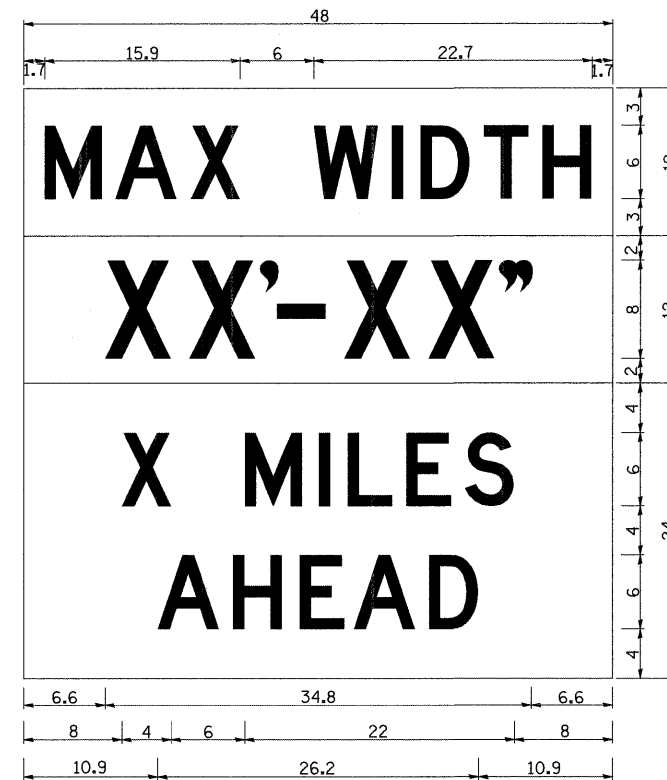


REVISED - 5-03-94

# INFORMATIONAL WARNING SIGN (FOR NARROW TRAVEL LANES)



NOTES  
W12-2 - Horizontal Clearance Sign  
48.0" across sides, 1.9" Radius,  
0.8" Border, 0.5" Indent, Black on  
Orange; Standard Arrow Custom  
10.4" X 8.1" 180° Black 11 Inch  
D Series Lettering; Standard Arrow  
Custom 10.4" X 8.1" 0°



W12-I103 (Width Is 8D);  
No border, Black on White;  
[MAX WIDTH] D;  
  
No border, Black on Orange;  
[XX'-XX'] D;  
  
No border, Black on White;  
[X MILES] D; [AHEAD] D;

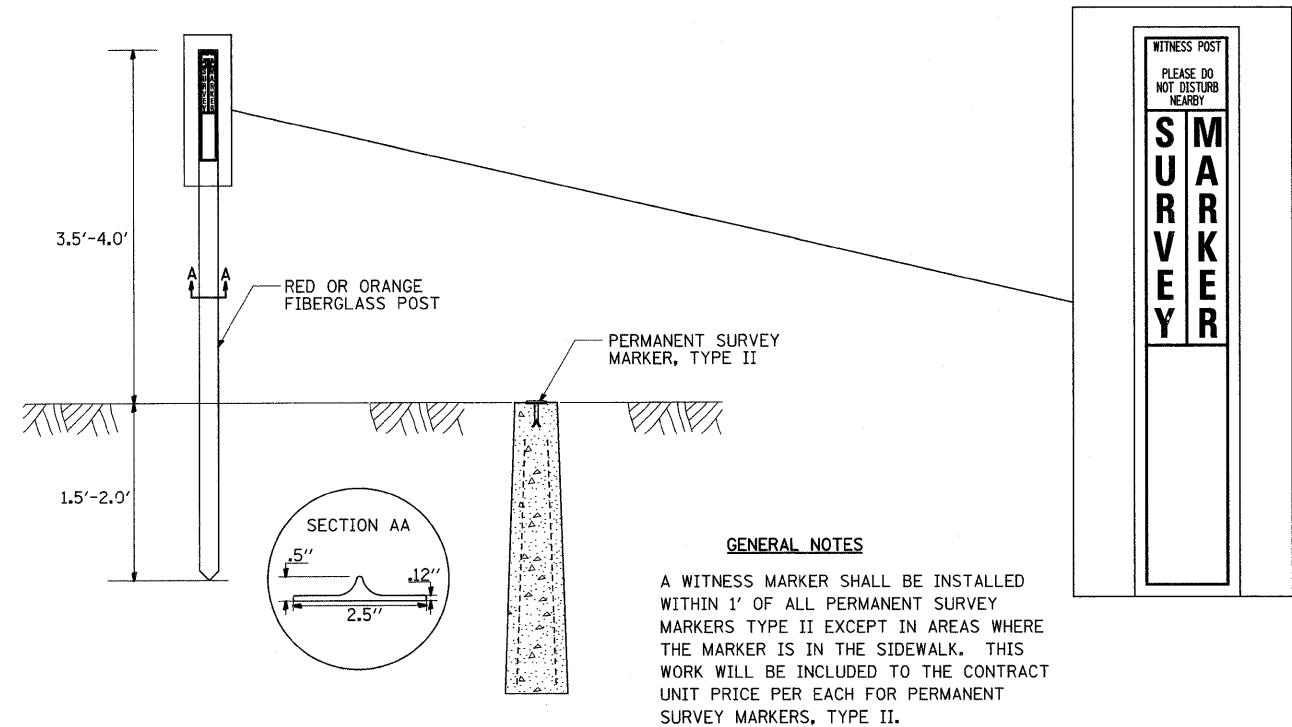
All work to furnish and install these signs shall be included in the cost of the Traffic Control Standards and shall not be paid for separately.

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

REVISED - 1-9-08	REGION 2 / DISTRICT 2 STANDARD	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
REVISED -		303	(40R)T	WINNEBAGO	67	48
REVISED -		SCALE: 50,000 / IN	SHEET NO. OF SHEETS STA. TO STA.		CONTRACT NO. 64C65	
REVISED -		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



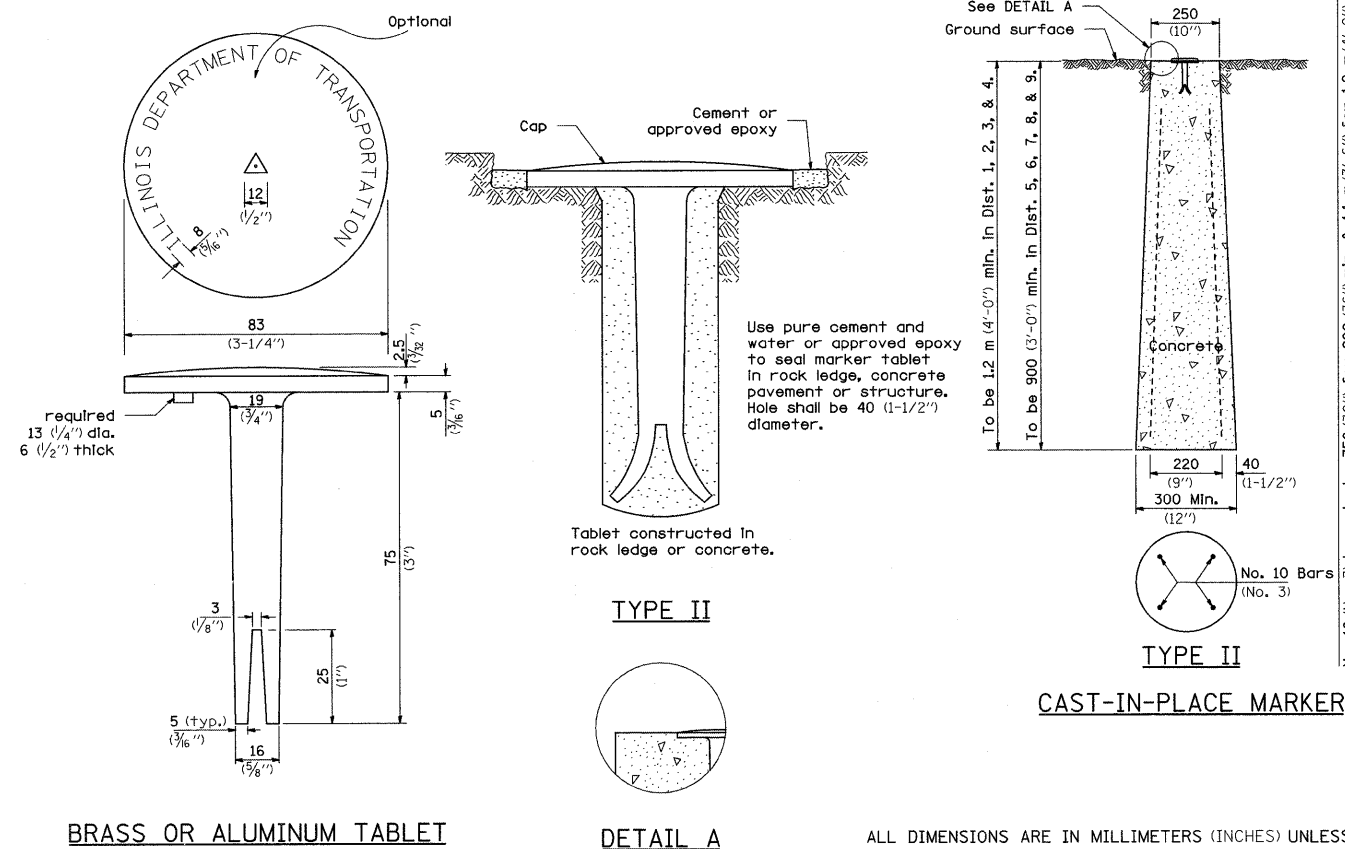
# WITNESS MARKER FOR PERMANENT SURVEY MARKERS, TYPE II



### GENERAL NOTES

A WITNESS MARKER SHALL BE INSTALLED WITHIN 1' OF ALL PERMANENT SURVEY MARKERS TYPE II EXCEPT IN AREAS WHERE THE MARKER IS IN THE SIDEWALK. THIS WORK WILL BE INCLUDED TO THE CONTRACT UNIT PRICE PER EACH FOR PERMANENT SURVEY MARKERS, TYPE II.

# PERMANENT SURVEY MARKERS, TYPE II



Use pure cement and water or approved epoxy to seal marker tablet in rock ledge, concrete pavement or structure. Hole shall be 40 (1-1/2") diameter.

Tablet constructed in rock ledge or concrete.

TYPE II

No. 10 Bars (No. 3)

TYPE II

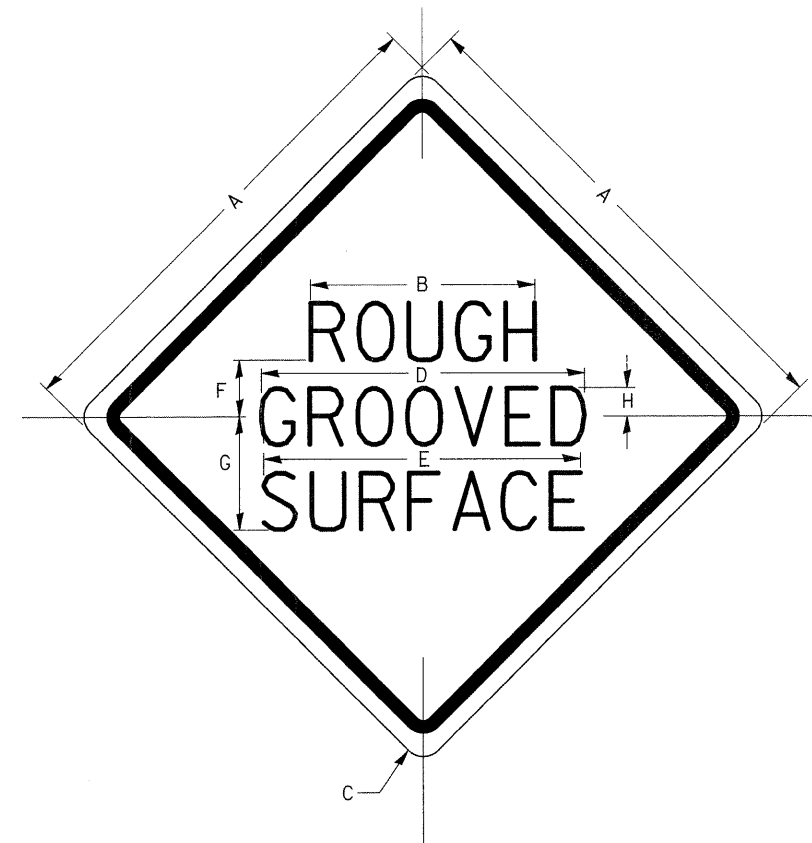
CAST-IN-PLACE MARKER

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

REVISED - 6-26-06

# ROUGH GROOVED SURFACE SIGN

ILLINOIS STANDARD W8-I107  
SIGN PANEL TYPE 1



### GENERAL NOTES

COLOR: LEGEND AND BORDER - BLACK NON-REFLECTIVE  
BACKGROUND - ORANGE REFLECTORIZED

SIGN PANELS AND FACE MATERIALS SHALL BE ACCORDING TO SECTION 720 OF THE STANDARD SPECIFICATIONS  
METAL POSTS SHALL BE IN ACCORDANCE WITH STD. 720011.

ALL MOUNTING HARDWARE SHALL BE ALUMINUM, STAINLESS STEEL, ZINC OR CADMIUM PLATED STEEL AND SHALL BE INCLUDED TO THE COST OF THE INSTALLATION.

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

SIGN SIZE	DIMENSIONS							
	A	B	C	D	E	F	G	H
1200x1200 (48x48)	1200 (48.0)	600 (24.1)	75 (3.0)	850 (34.0)	825 (33.0)	150 (6.0)	325 (13.0)	88 (3.5)

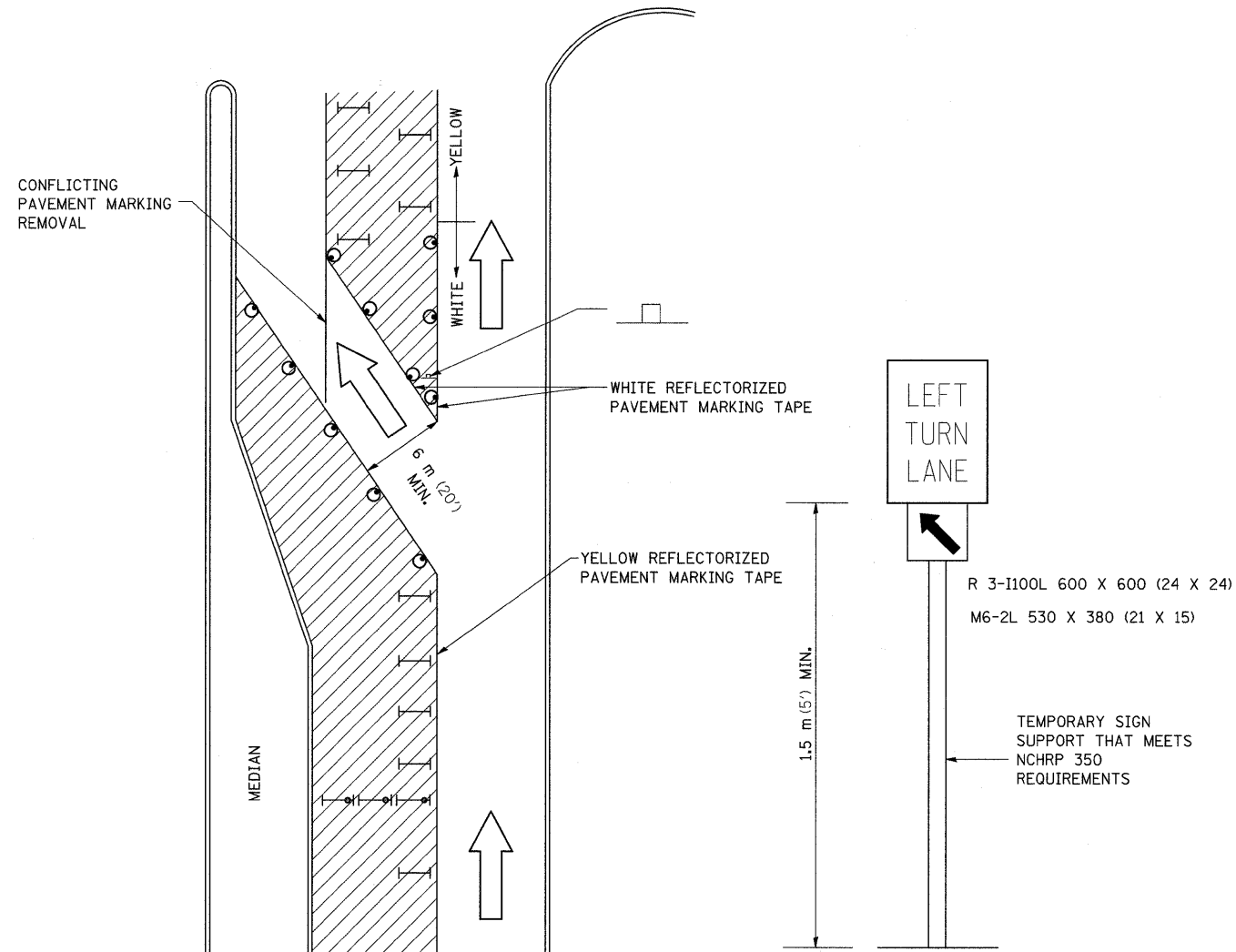
SIGN SIZE	SERIES LINES			MARGIN	BORDER	BLANK STD.
	1	2	3			
1200x1200 (48x48)	7C	7C	7C	20 (0.8)	30 (1.2)	B4-48D

ALL DIMENSIONS IN INCHES.

No. 10 (No. 3) Bars to be 750 (30") for 900 (36") min. & 1.1 m (3'-6") for 1.2 m (4'-0") min.

REVISED - 1-09-08	REGION 2 / DISTRICT 2 STANDARD	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
REVISED -		303	(40R)T	WINNEBAGO	67	49
REVISED -		CONTRACT NO. 64C65				
REVISED -		SCALE: 50.0000' / 1"	SHEET NO.	OF SHEETS	STA.	TO STA.

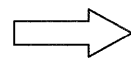
# TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)



## LEGEND



WORK AREA



LANE OPEN TO TRAFFIC



TYPE I OR II BARRICADE OR DRUM WITH FLASHING BURNING LIGHT



DRUM OR BARRICADE WITH STEADY BURN LIGHT



SIGN (SEE DETAIL)



TYPE I OR II CHECK BARRICADE WITH STEADY LIGHT BURN

REVISED - 10-15-04

## GENERAL NOTES

CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 710 (28) IN HEIGHT.

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

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

THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-100 600 x 600 (24 x 24) AND M6-2R 530 x 380 (21 x 15) SHALL BE USED.

THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES. LONGITUDINAL DIMENSIONS MAY BE ADJUSTED TO FIT FIELD CONDITIONS.

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

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

REVISED -	<b>REGION 2 / DISTRICT 2 STANDARD</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
REVISED -		303	(40R)T	WINNEBAGO	67	50
REVISED -		CONTRACT NO. 64C65				
REVISED -		SCALE: 50.0000' / 1" SHEET NO. OF SHEETS STA. TO STA.	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 STAGED CONSTRUCTION FOR THE REMOVAL AND REPLACEMENT OF A BOX CULVERT AND RECONSTRUCTION OF RAISED MEDIAN.

### 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) 4.31 ACRES  
PROPOSED R.O.W (TOTAL PARCEL AREA) 0.38 ACRES  
DISTURBED BY EXCAVATION (E.O.P TO CONSTRUCTION LIMIT) 1.34 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

DRAINAGE DITCH FLOWS NORTHEASTERLY AND CROSSES US BUS 20 THROUGH A CULVERT AT STA 73+70 AND CONTINUES NORTHEASTERLY TO A BERM WITH AN 18" RCP. ONCE THE FLOW GETS HIGH ENOUGH THERE IS A CHANNEL THAT IS 3' HIGHER THAN THE FLOW LINE OF THE 18" RCP THAT WILL TAKE THE EXCESS WATER NORTHERLY.

## 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.

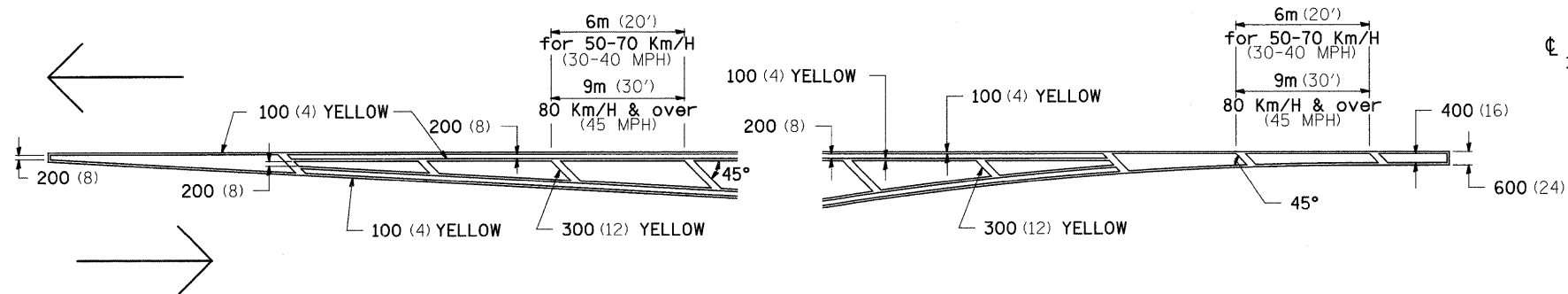
## MAINTENANCE AFTER FINAL GRADING

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 RESEDED.

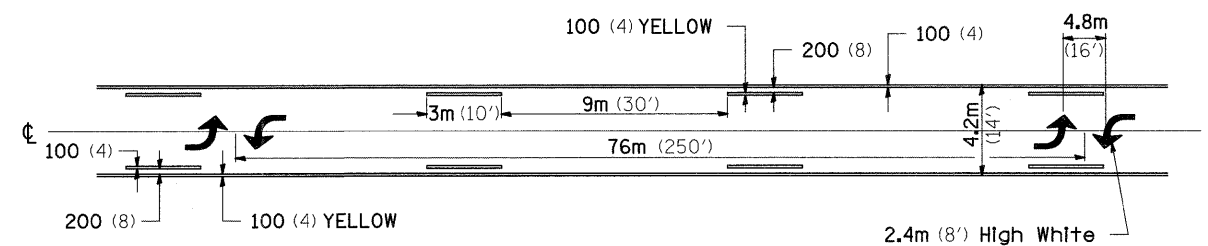
FILE NAME = c:\projects\p211406\dl1406sp1.dgn	USER NAME = polznej	DESIGNED -	REVISED - 5-12-04	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>REGION 2 / DISTRICT 2 STANDARD</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED -			303	(40R)T	WINNEBAGO	67	51	
	PLOT DATE = Mon Aug 04 11:37:49 2008	DATE -	REVISED -					CONTRACT NO. 64C65			
						SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.

# TYPICAL PAVEMENT MARKINGS

## TYPICAL PAVEMENT MARKING FOR FLUSH MEDIAN AT LEFT TURN LANE

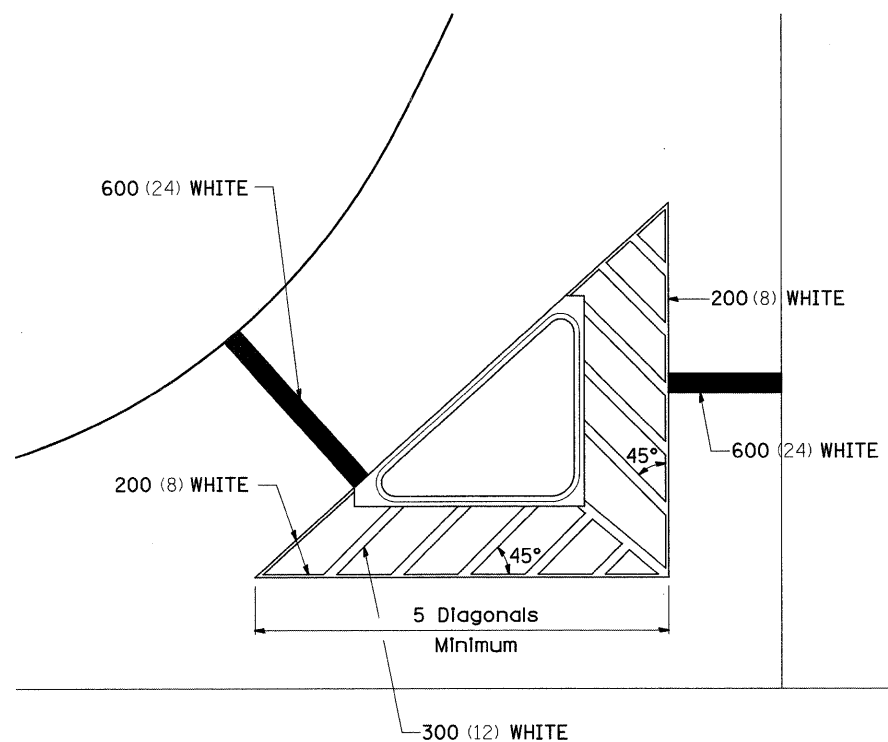


## MEDIAN PAVEMENT MARKING

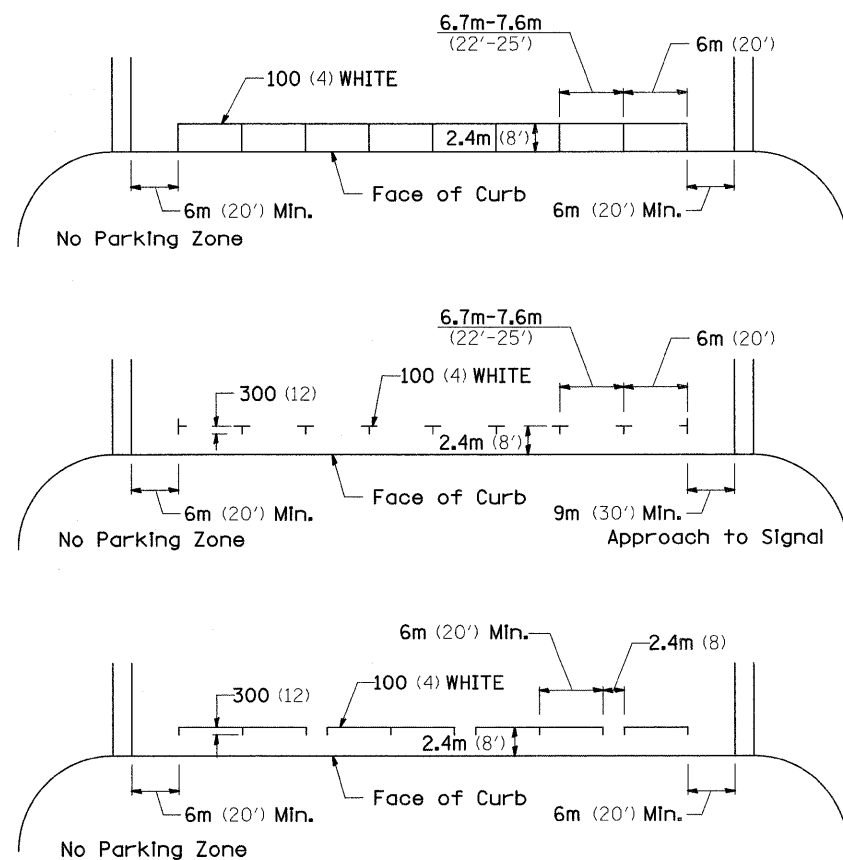


•• ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE NOTED.

## TYPICAL ISLAND OFFSET SHOULDER WIDTH

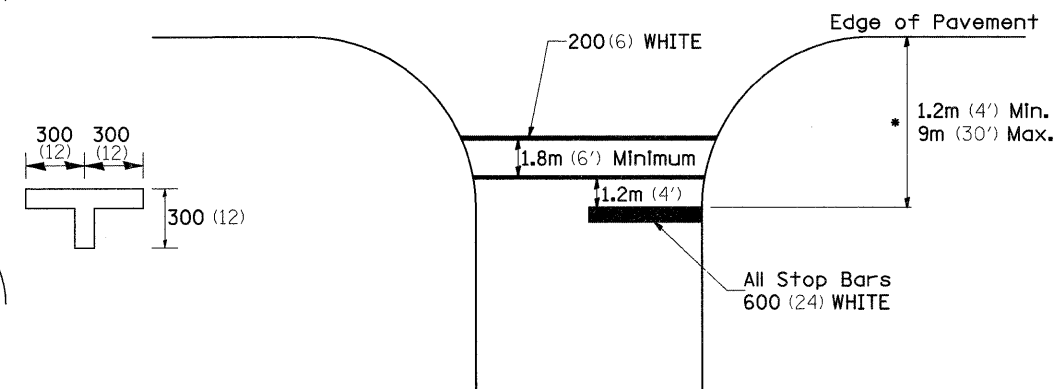


## TYPICAL PARKING SPACING



## STANDARD CROSSWALK MARKING

See Schedules for Locations

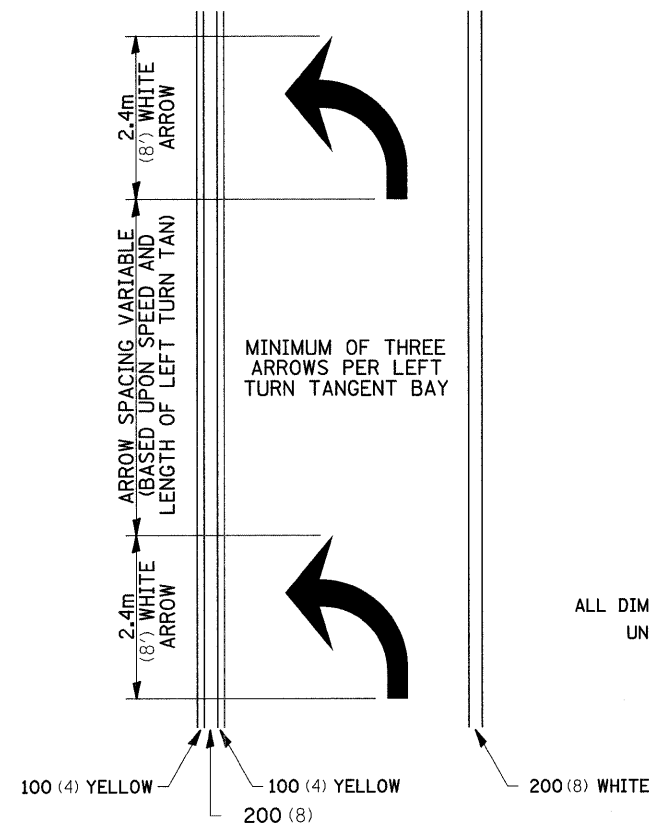


\* Distance to the nearest edge of the intersecting roadway in the absence of a marked crosswalk.

FILE NAME = e:\projects\p211406\dl1406sp1.dgn	USER NAME = polzinej	DESIGNED -	REVISED - 1-11-08	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>REGION 2 / DISTRICT 2 STANDARD</b>			F.A.P. RTE. 303	SECTION (40R)T	COUNTY WINNEBAGO	TOTAL SHEETS 67	SHEET NO. 52
	PLOT SCALE = 50,0000 ' / IN.	DRAWN -	REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO. 64C65
	PLOT DATE = Mon Aug 04 11:37:50 2008	CHECKED -	REVISED -									
		DATE -	REVISED -									

# TYPICAL PAVEMENT MARKINGS

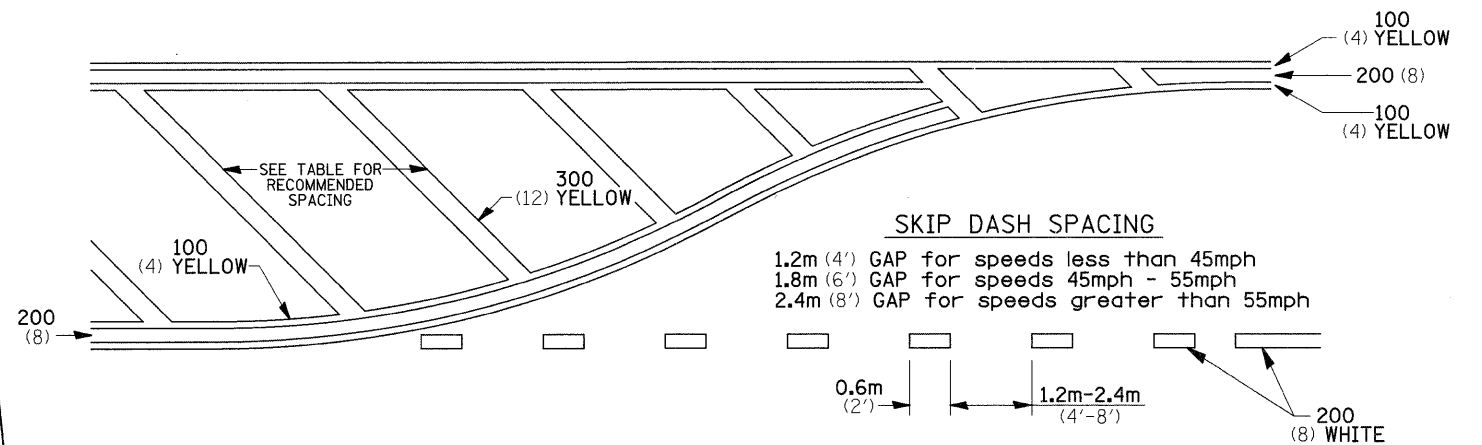
## ARROW LAYOUT



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

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

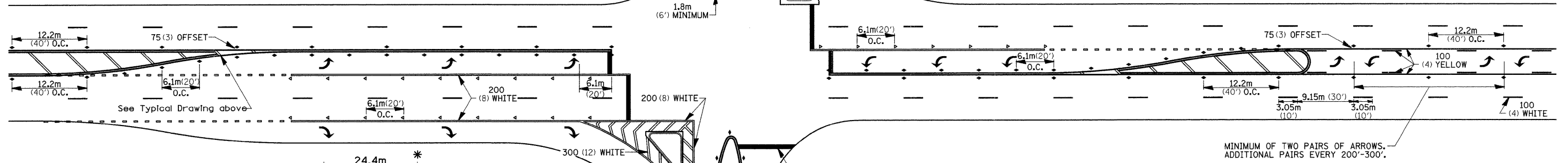
## TYPICAL PAVEMENT MARKING FOR FLUSH MEDIAN



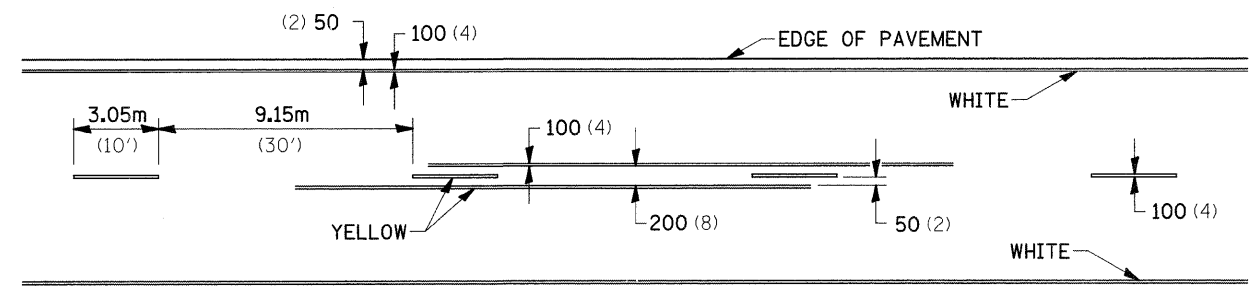
### RECOMMENDED SPACING BETWEEN DIAGONALS (IN FEET)

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.



## TYPICAL PAVEMENT MARKING FOR TWO LANE SECTION - NO PASSING ZONES



## SYMBOLS

See Typical Drawing above

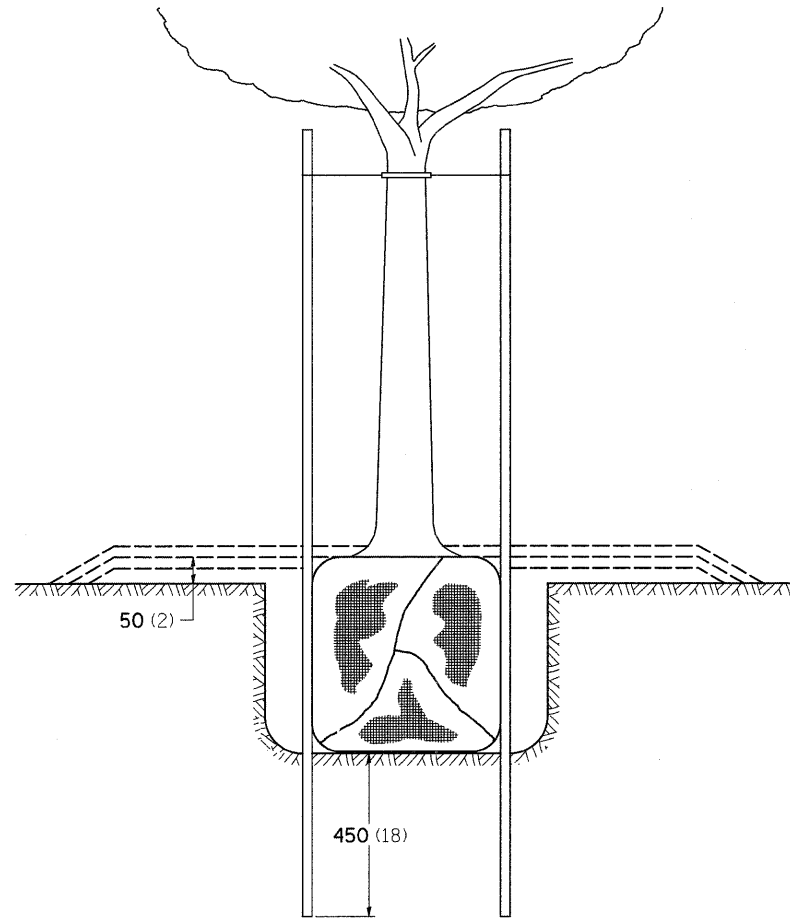
\* REDUCE TO 12.2m (40') O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 15Km/H (10MPH) LOWER THAN POSTED SPEEDS.

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

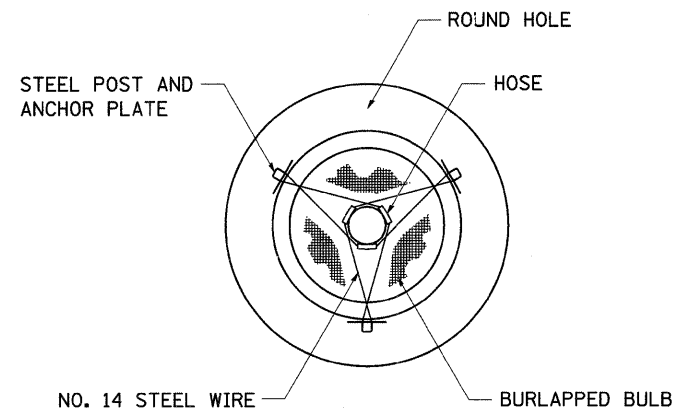
## MULTI-LANE / UNDIVIDED

FILE NAME = c:\projects\p211406\d11406spl.dgn	USER NAME = polznej	DESIGNED -	REVISED - 1-11-08	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>REGION 2 / DISTRICT 2 STANDARD</b>			F.A.P. RTE. 303	SECTION (40R)T	COUNTY WINNEBAGO	TOTAL SHEETS 67	SHEET NO. 53
								CONTRACT NO. 64C65				
								FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				
								SCALE: SHEET NO. OF SHEETS STA. TO STA.				

# DETAILS OF PLANTING AND BRACING TREES

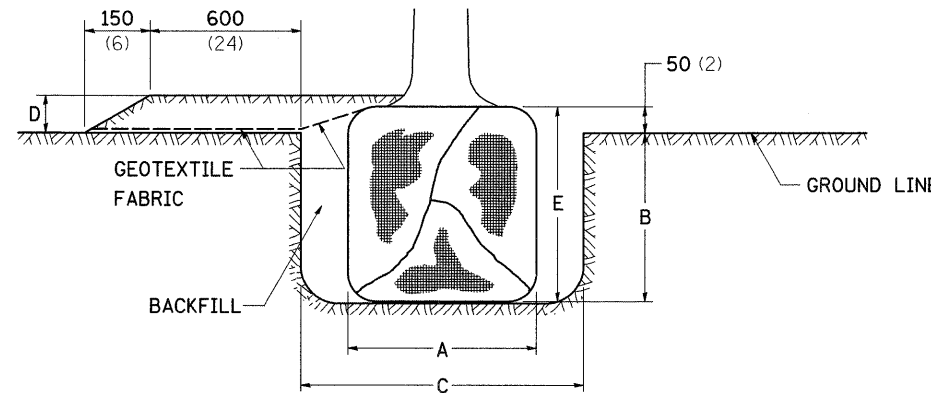


TREES SMALLER THAN 115 (4 1/2) IN DIAMETER

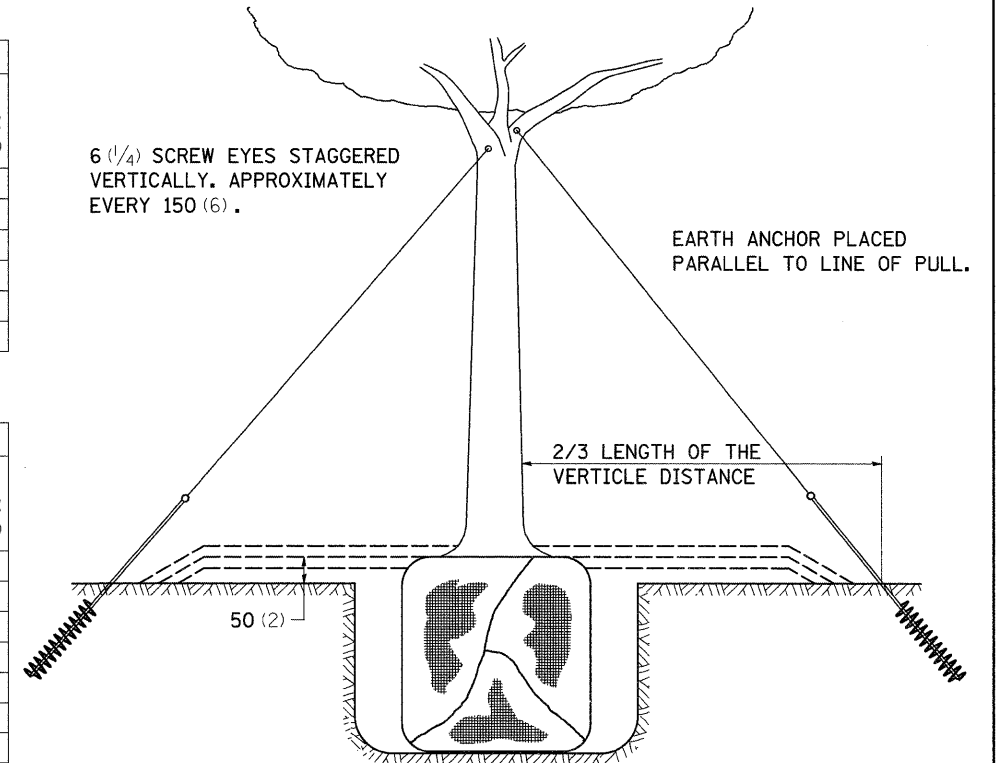


SMALL	A	B	C	D	E	F
TREE SIZE	DIAMETER OF BALL OR ROOT SYS.	DEPTH OF HOLE EXCAVATION	WIDTH OF HOLE EXCAVATION	THICKNESS OF MULCH COVER	DEPTH OF BALL OR ROOT SYS.	VOLUME OF MULCH COVER m <sup>3</sup> (CU. YDS.)
1.5-1.8m (5'-6')	400 (16)	250 (10)	750 (30)	100 (4)	300 (12)	0.41 (0.54)
1.5-1.8m (5'-6') BB	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 <sup>3</sup> (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)



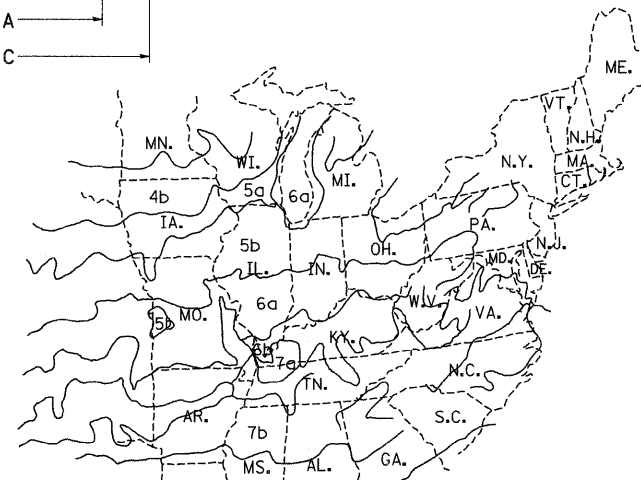
TREES OVER 115 (4 1/2) IN DIAMETER



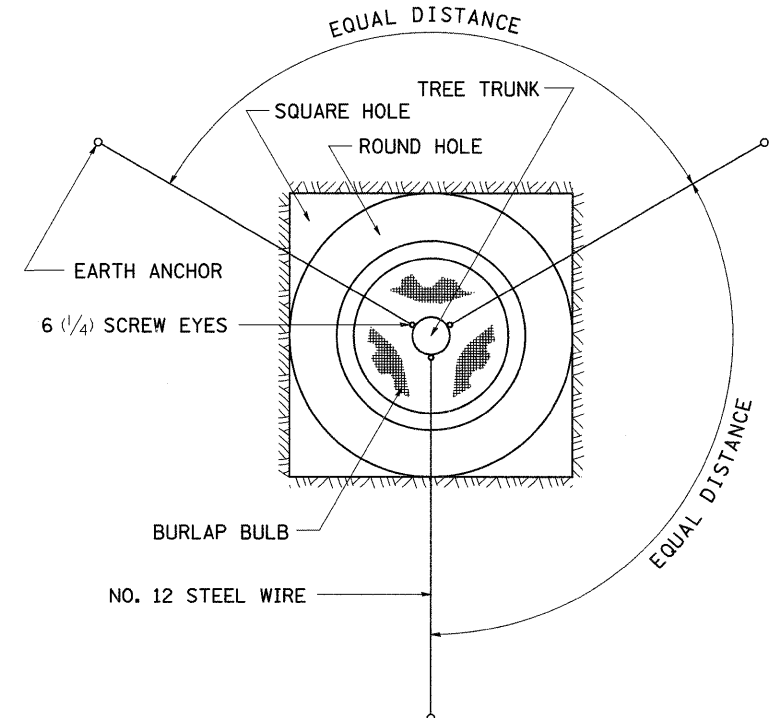
6 (1/4) SCREW EYES STAGGERED VERTICALLY. APPROXIMATELY EVERY 150 (6).

EARTH ANCHOR PLACED PARALLEL TO LINE OF PULL.

2/3 LENGTH OF THE VERTICLE DISTANCE



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

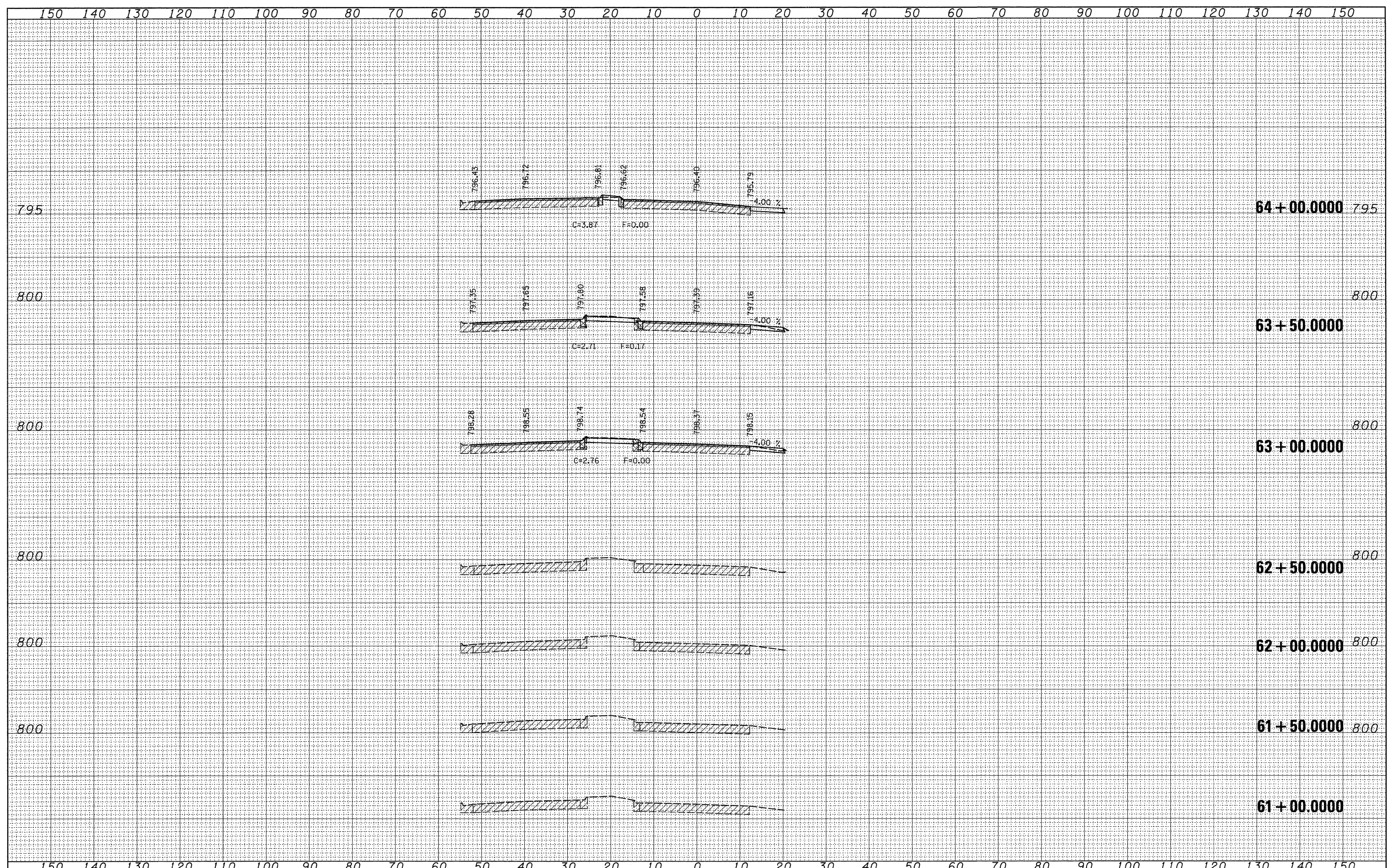


ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE NOTED.

FILE NAME =	USER NAME = polzinej	DESIGNED -	REVISED - 10-15-04	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>REGION 2 / DISTRICT 2 STANDARD</b>	F.A.P. RTE. 303	SECTION (40R)T	COUNTY WINNEBAGO	TOTAL SHEETS 67	SHEET NO. 54		
CONTRACT NO. 64C65	PLOT SCALE = 50.0000' / IN.	DRAWN -	REVISED -			SCALE:	SHEET NO. OF SHEETS STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			
	PLOT DATE = Mon Aug 04 11:37:51 2008	CHECKED -	REVISED -									
		DATE -	REVISED -									

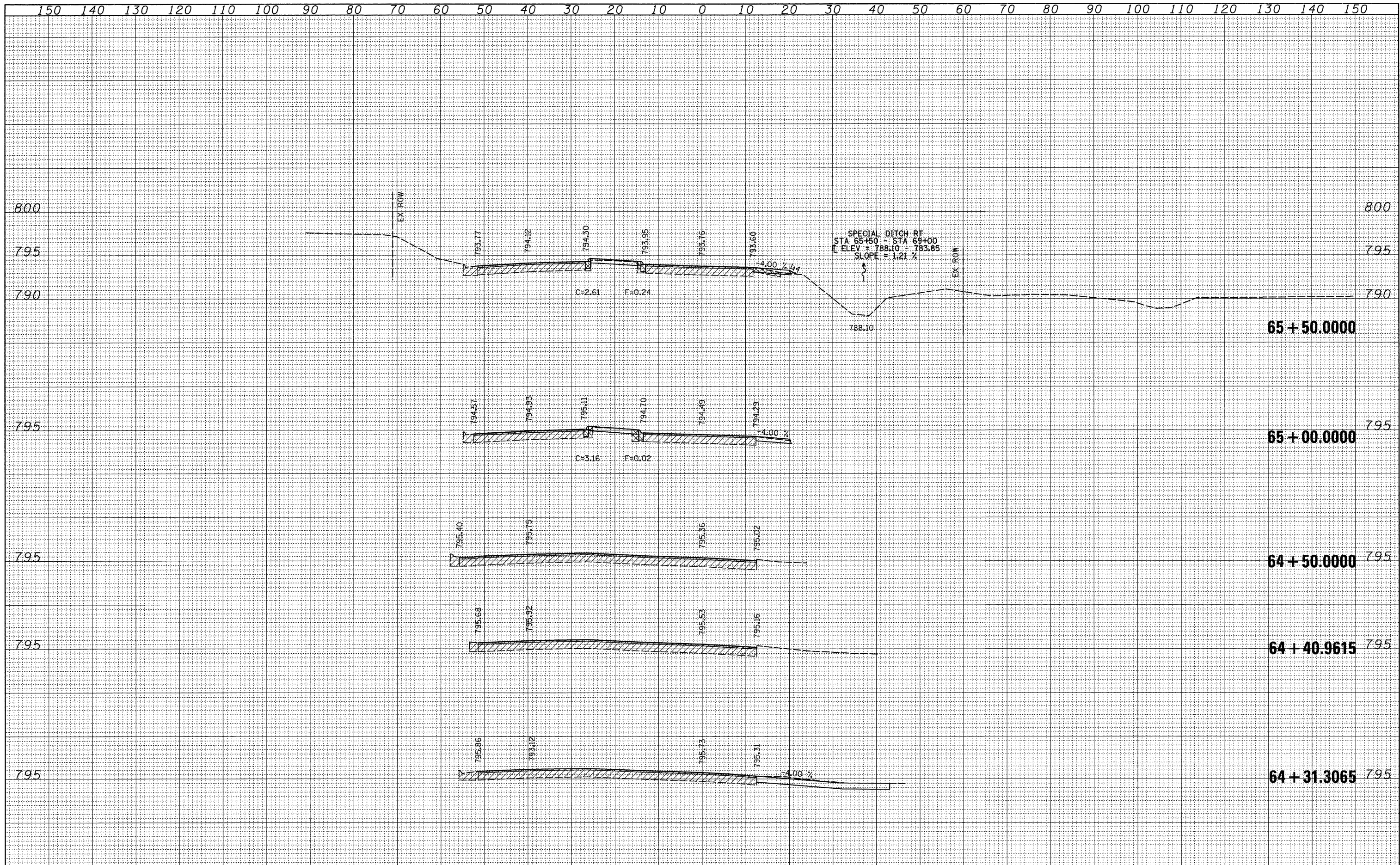
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SURVEYED	BY	
PLOTTED		
TEMPLATE		
NOTE BOOK		
AREAS		
CHECKED		
NO.		

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



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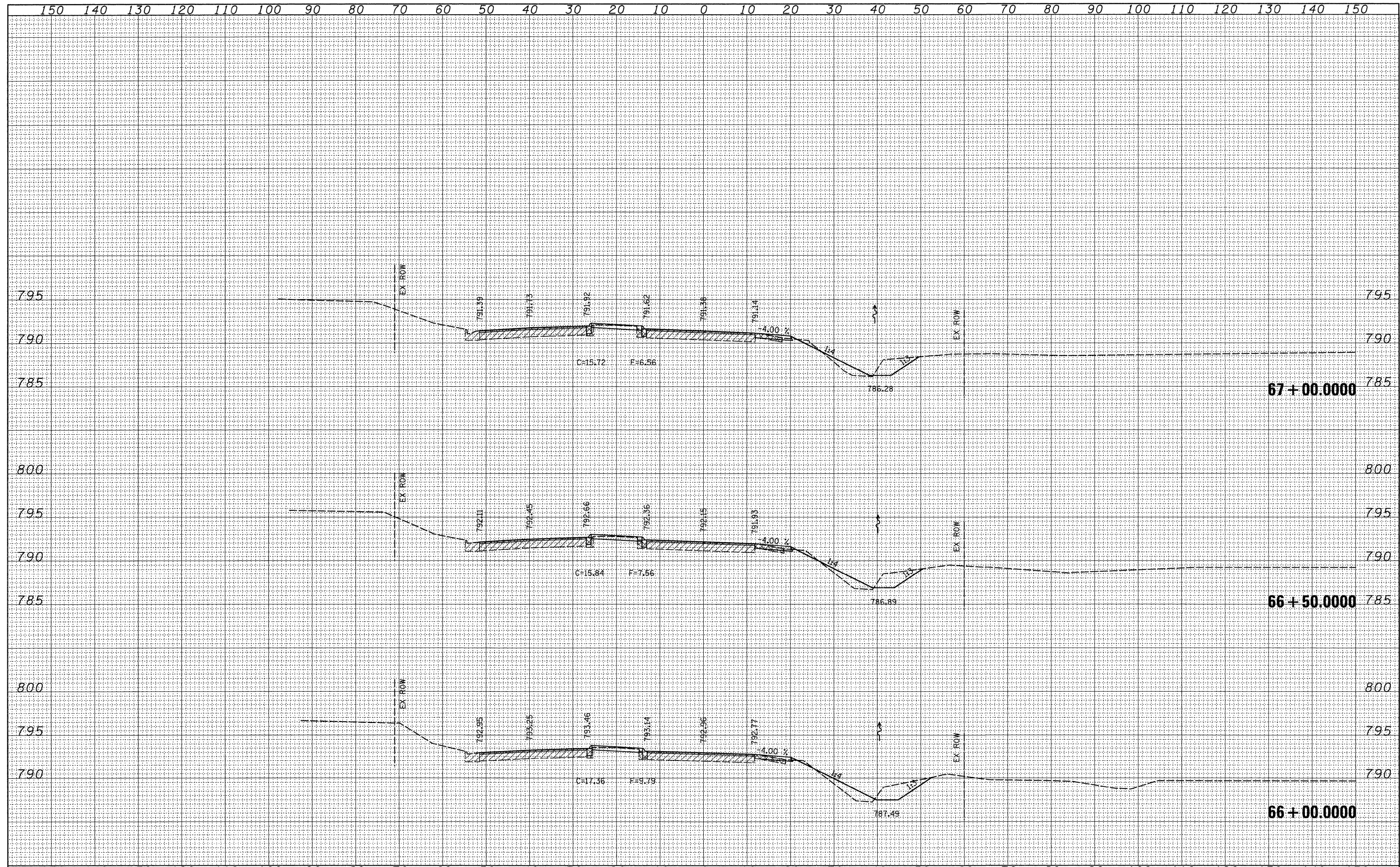


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cr\projects\p211406\dl1406.xml.dgn		DRAWN -	REVISED -						67	56
		CHECKED -	REVISED -						CONTRACT NO. 64C65	
		DATE -	REVISED -						FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT	
PLOT SCALE = 10.0000' / IN.				SCALE:	SHEET NO. OF SHEETS	STA. 64+31.3065 TO STA. 65+50.0000				
PLOT DATE = Mon Aug 04 15:19:36 2008										



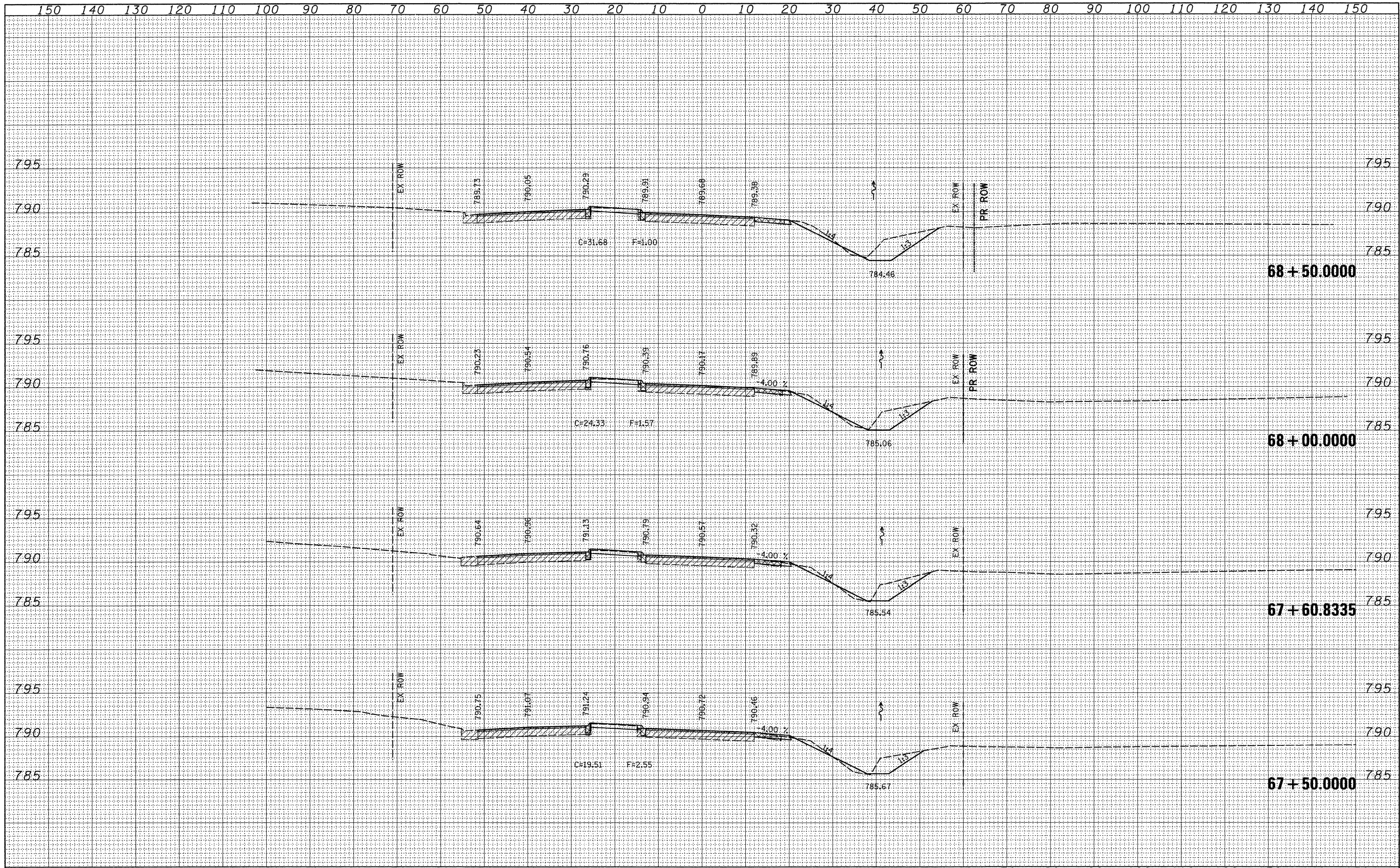
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CHECKED		
PLOTTED		
TEMPLATE		
NOTE BOOK		
AREAS		
NO.		

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



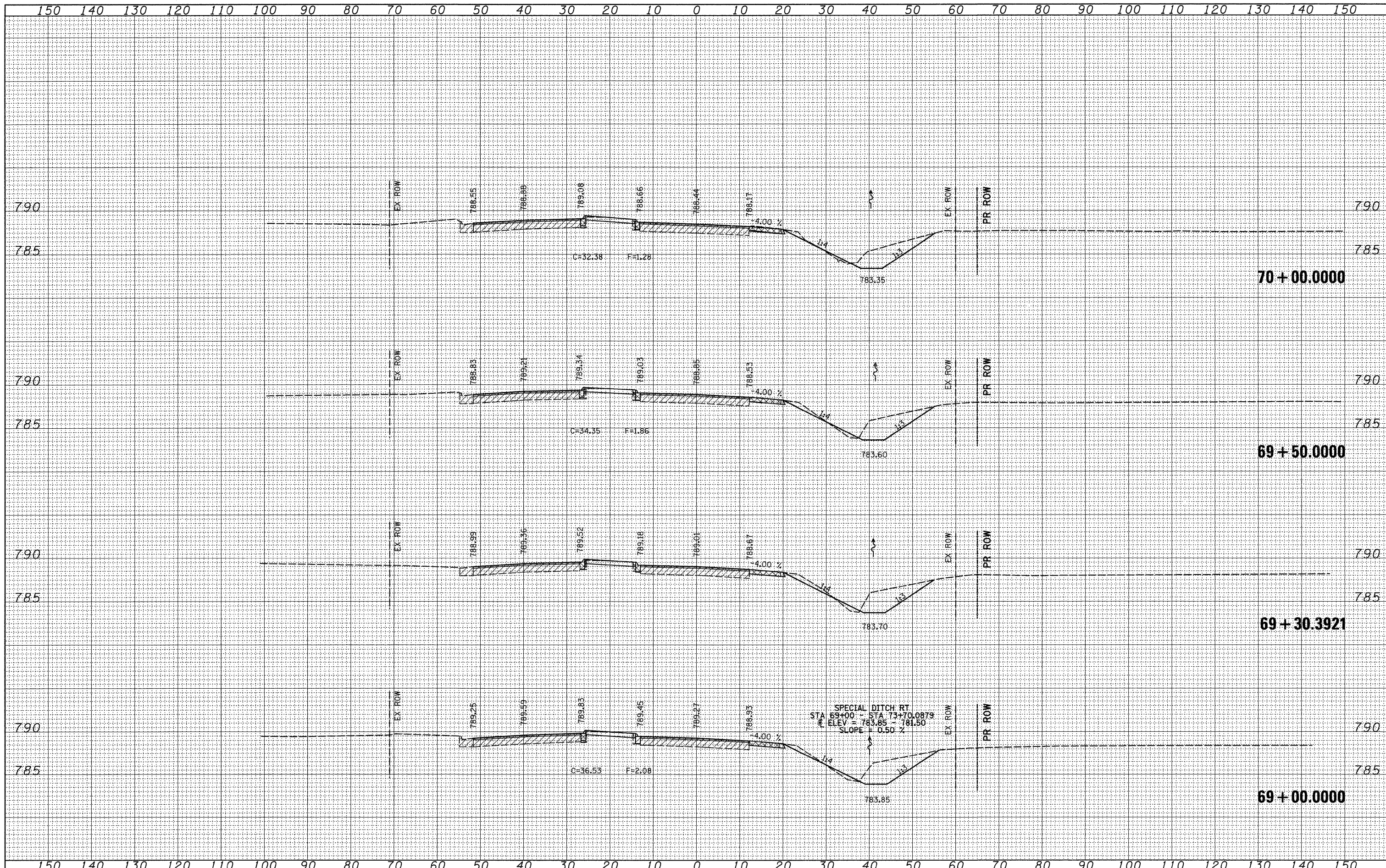
DATE	
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CHECKED	
PLOTTED	
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AREAS	
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NOTE BOOK	
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DATE	
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TEMPLATE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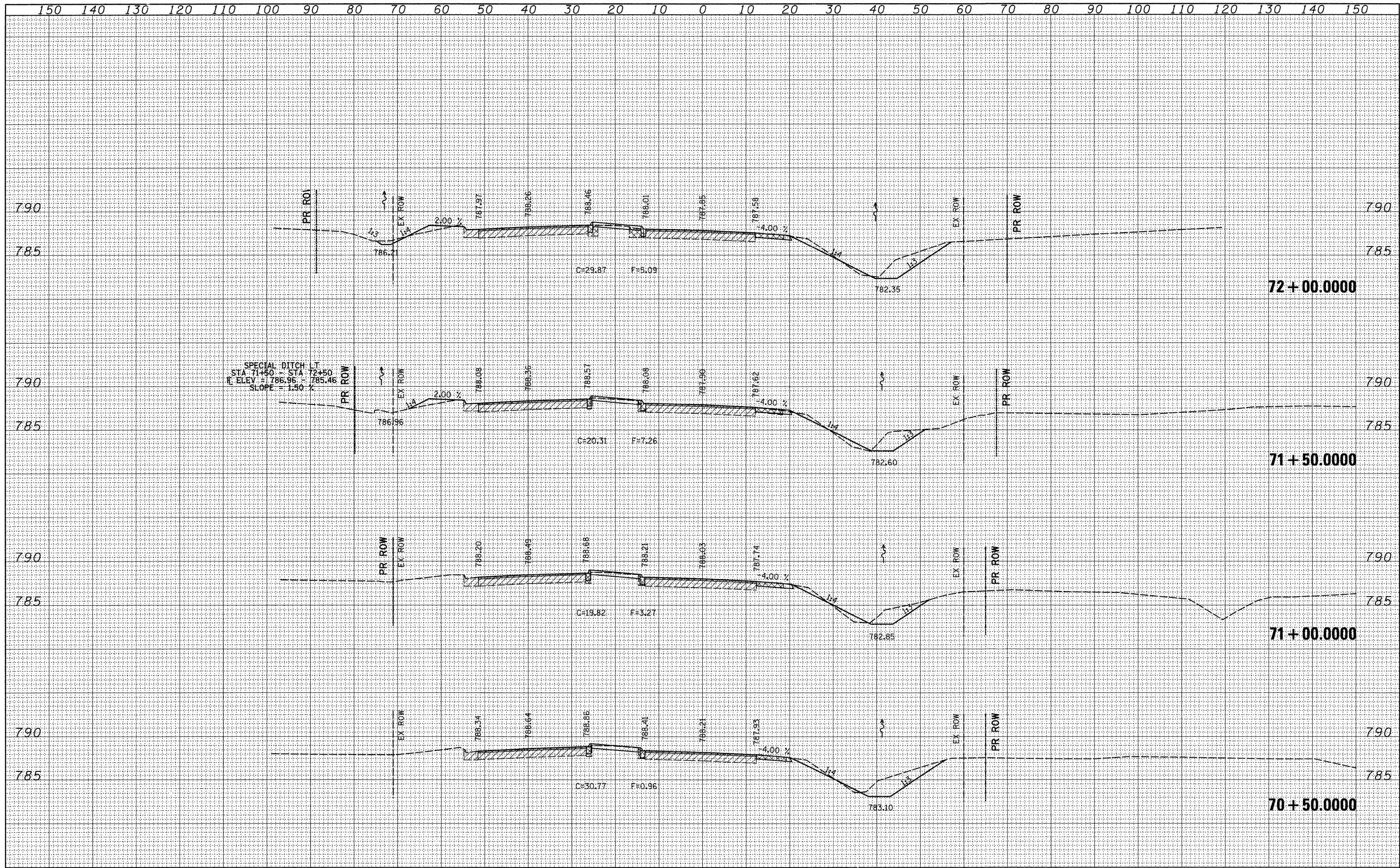
FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
	AREAS		
	CHECKED		

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



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

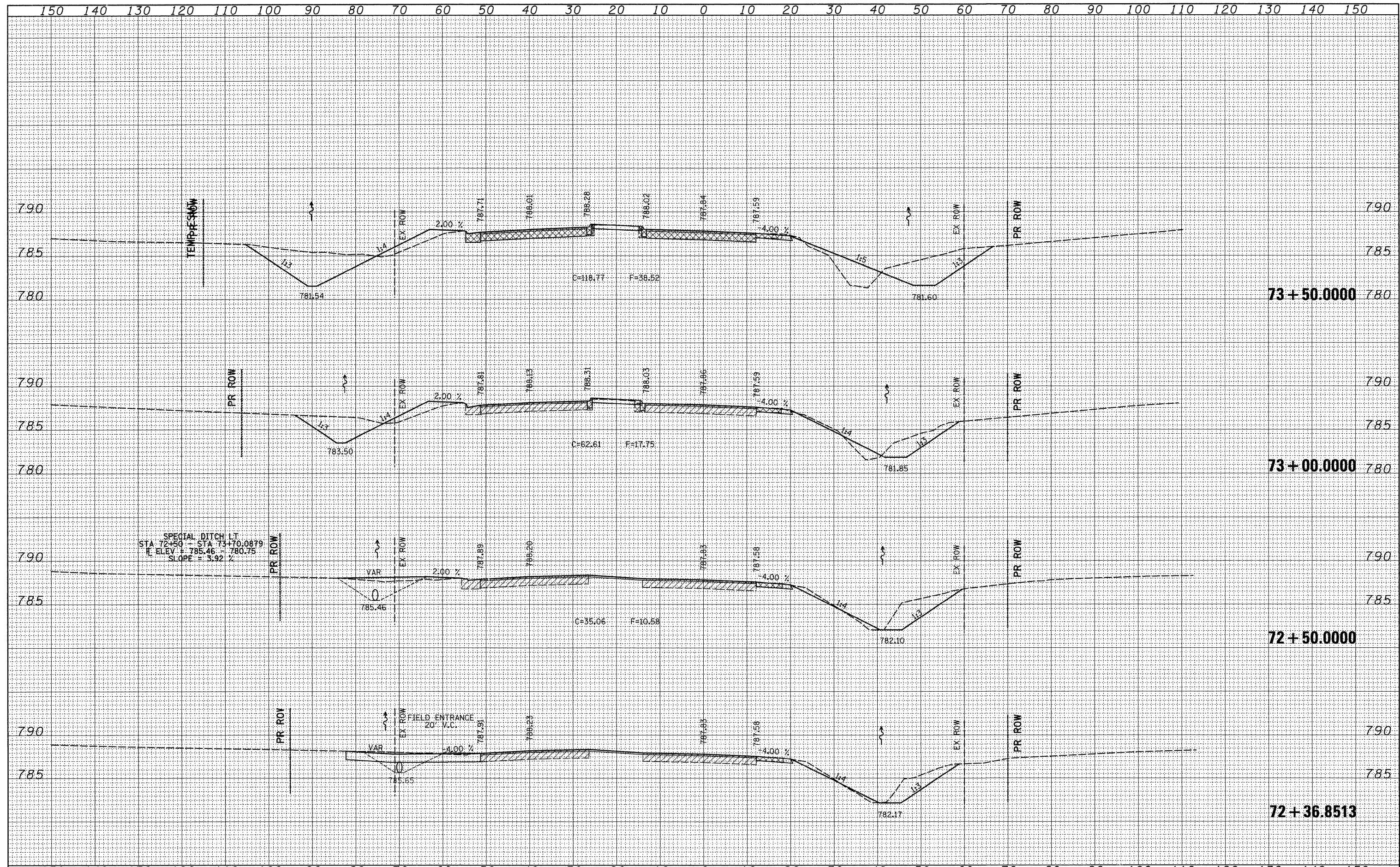
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BY	
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DRAWN	
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DATE	
REVISIONS	
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AREAS CHECKED	
TEMPLATE	
NOTE BOOK	
NO.	
ORIGINAL SURVEY	
NO.	



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	PLOT SCALE = 12,0000' / IN.	DRAWN -	REVISIONS -		SCALE:	SHEET NO.	OF	SHEETS	STA. 70+50.0000 TO STA. 72+00.0000	FED. ROAD DIST. NO.	(ILLINOIS) FED. AID PROJECT	CONTRACT NO. 64C65
	PLOT DATE = Mon Aug 04 15:19:37 2008	CHECKED -	REVISIONS -									
		DATE -	REVISIONS -									

DATE	
BY	
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FILE NAME	
USER NAME	
DESIGNED	
DRAWN	
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DATE	



SPECIAL DITCH LT.  
 STA 72+50 - STA 73+70.0079  
 ELEV = 785.46 - 780.75  
 SLOPE = 3.92 %

FILE NAME =  
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USER NAME = polzinej  
 PLOT SCALE = 10.0000' / IN.  
 PLOT DATE = Mon Aug 04 15:49:38 2008

DESIGNED -  
 DRAWN -  
 CHECKED -  
 DATE -

REVISED -  
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 REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

US BUS 20

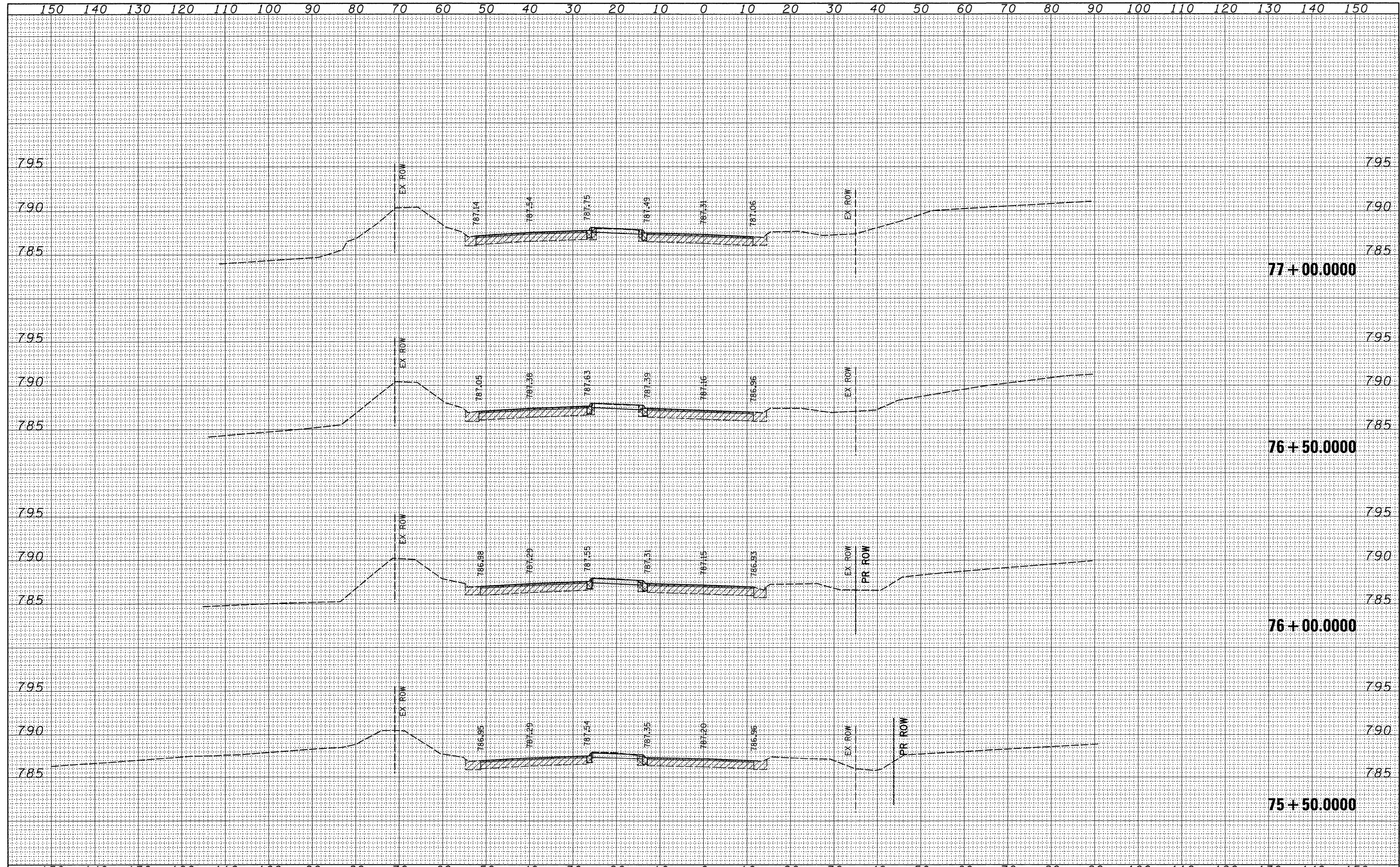
SCALE: SHEET NO. OF SHEETS STA. 72+36.8513 TO STA. 73+50.0000

F.A.P. RTE. 303	SECTION (40R)	COUNTY WINNEBAGO	TOTAL SHEETS 67	SHEET NO. 61
CONTRACT NO. 64C65				
FED. ROAD DIST. NO. (ILLINOIS) FED. AID PROJECT				



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

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



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 PLOT DATE = Mon Aug 04 15:19:38 2008

DESIGNED -  
 DRAWN -  
 CHECKED -  
 DATE -

REVISED -  
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 REVISED -  
 REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

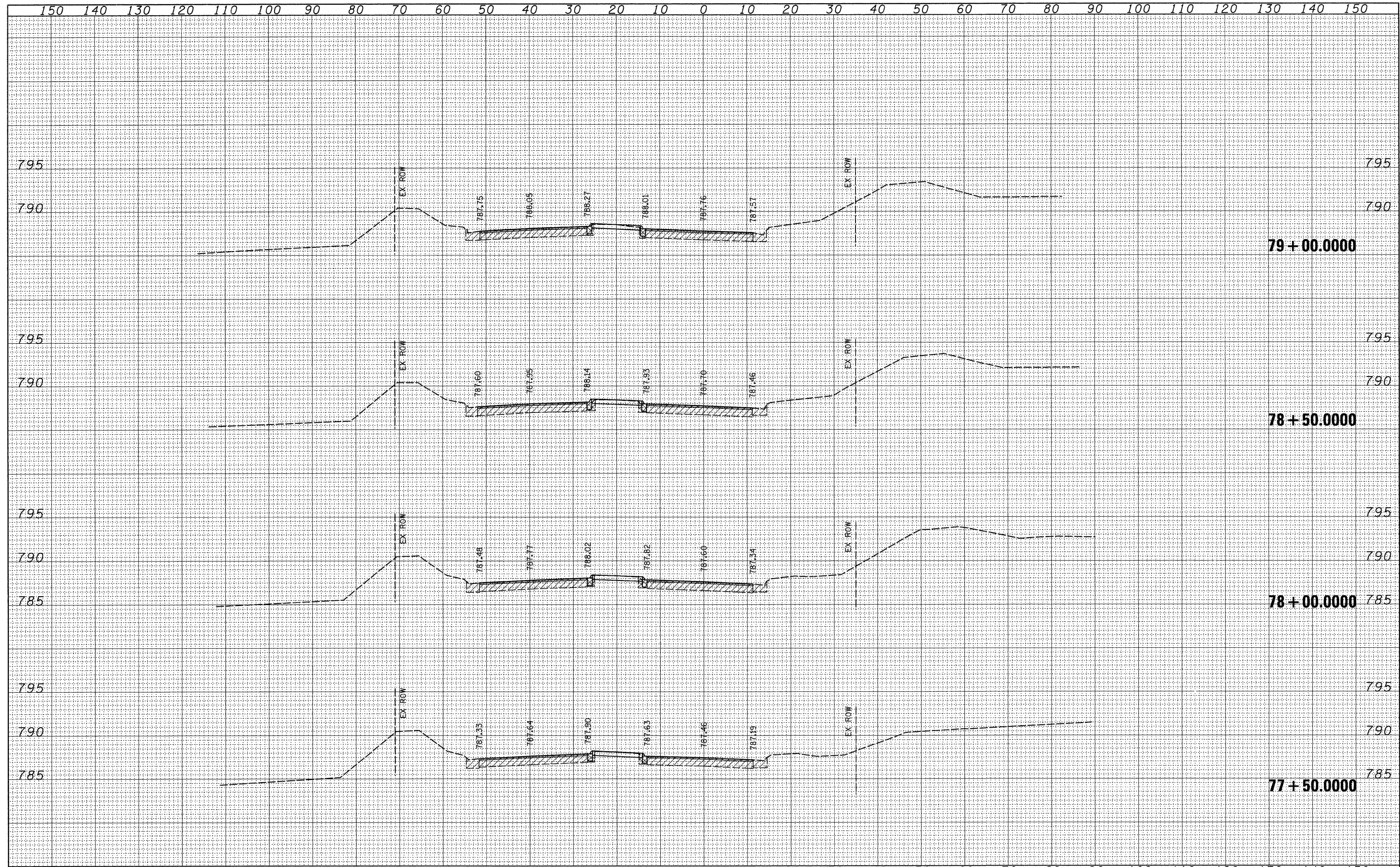
**US BUS 20**

SCALE: SHEET NO. OF SHEETS STA. 75+50.0000 TO STA. 77+00.0000

F.A.P. RTE. 303	SECTION (40R)T	COUNTY WINNEBAGO	TOTAL SHEETS 67	SHEET NO. 63
CONTRACT NO. 64C65				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

DATE	
BY	
DESIGNED	
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DATE	
REVISIONS	
NO.	
AREA CHECKED	
AREAS	
TEMPLATE	
NOTE BOOK	
NO.	
FINAL SURVEY	
NO.	

DATE	
BY	
DESIGNED	
DRAWN	
CHECKED	
DATE	
REVISIONS	
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AREA CHECKED	
AREAS	
TEMPLATE	
NOTE BOOK	
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ORIGINAL SURVEY	
NO.	

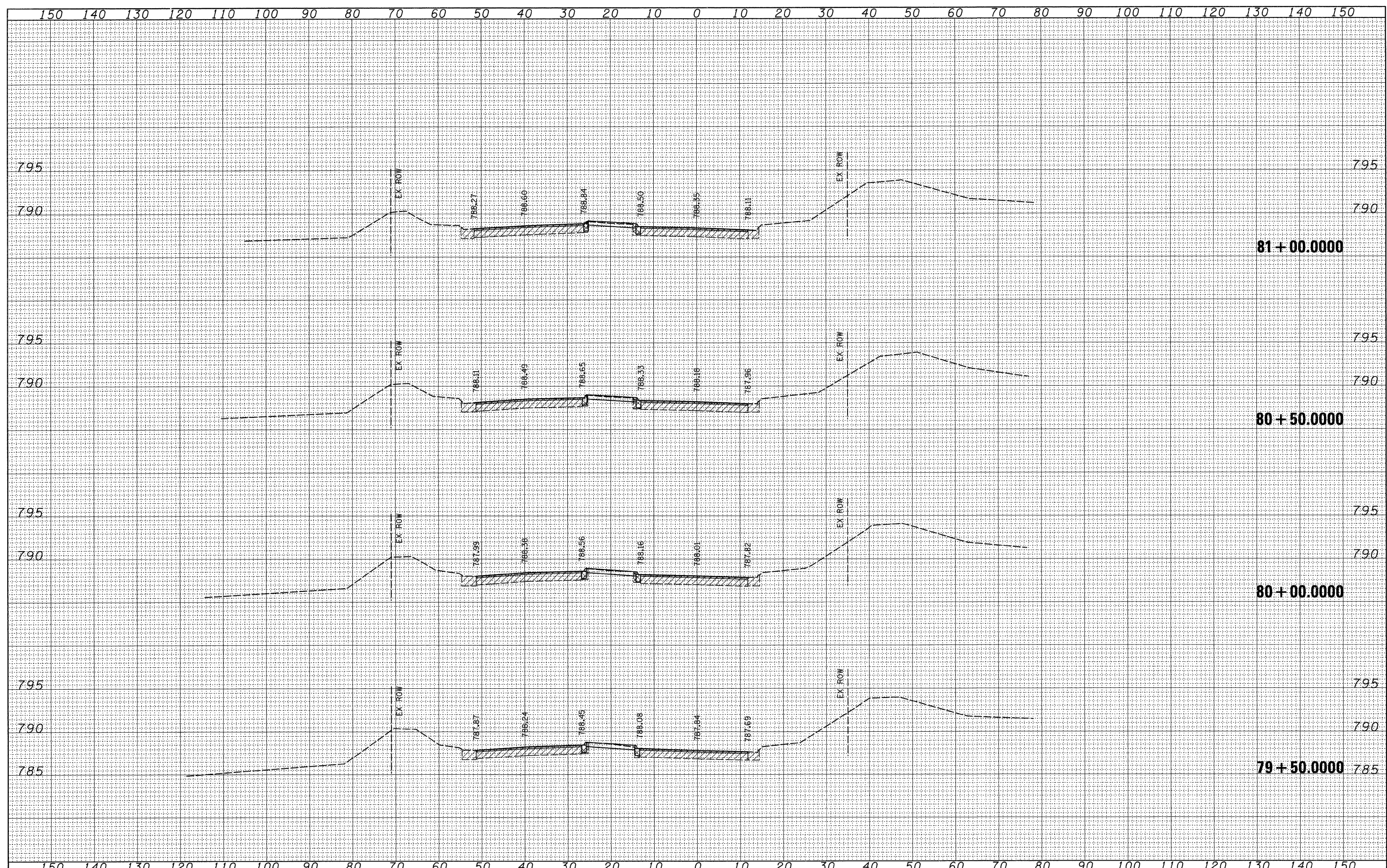


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	PLOT SCALE = 10.0000' / IN.	DRAWN -	REVISIONS -		SCALE:	SHEET NO.	OF SHEETS	STA. 77+50.0000 TO STA. 79+00.0000	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	CONTRACT NO. 64C65
	PLOT DATE = Mon Aug 04 15:49:39 2008	CHECKED -	REVISIONS -									
		DATE -	REVISIONS -									



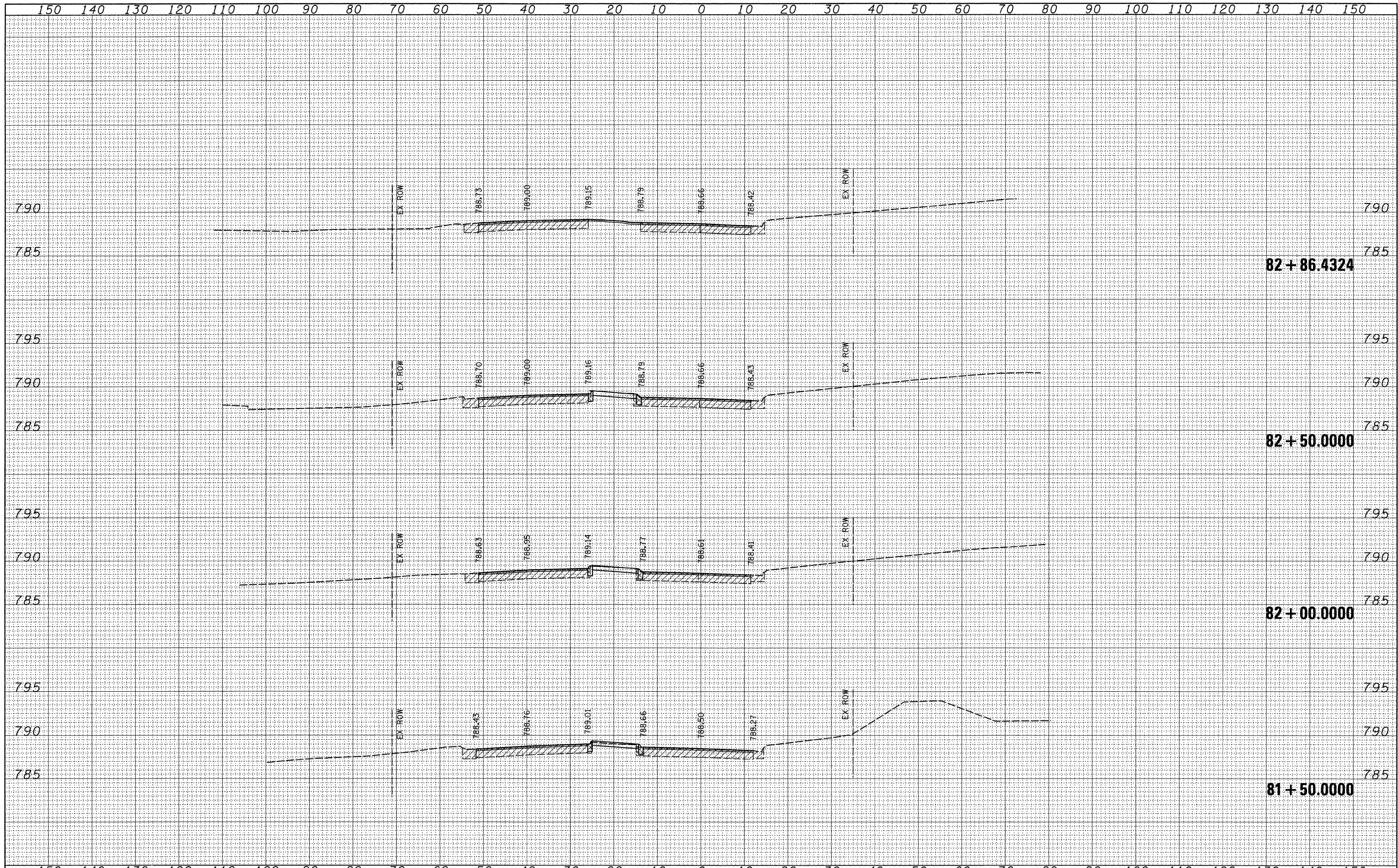
FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
	AREAS		
	CHECKED		

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



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



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 PLOT DATE = Mon Aug 04 15:19:39 2008

DESIGNED -  
 DRAWN -  
 CHECKED -  
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

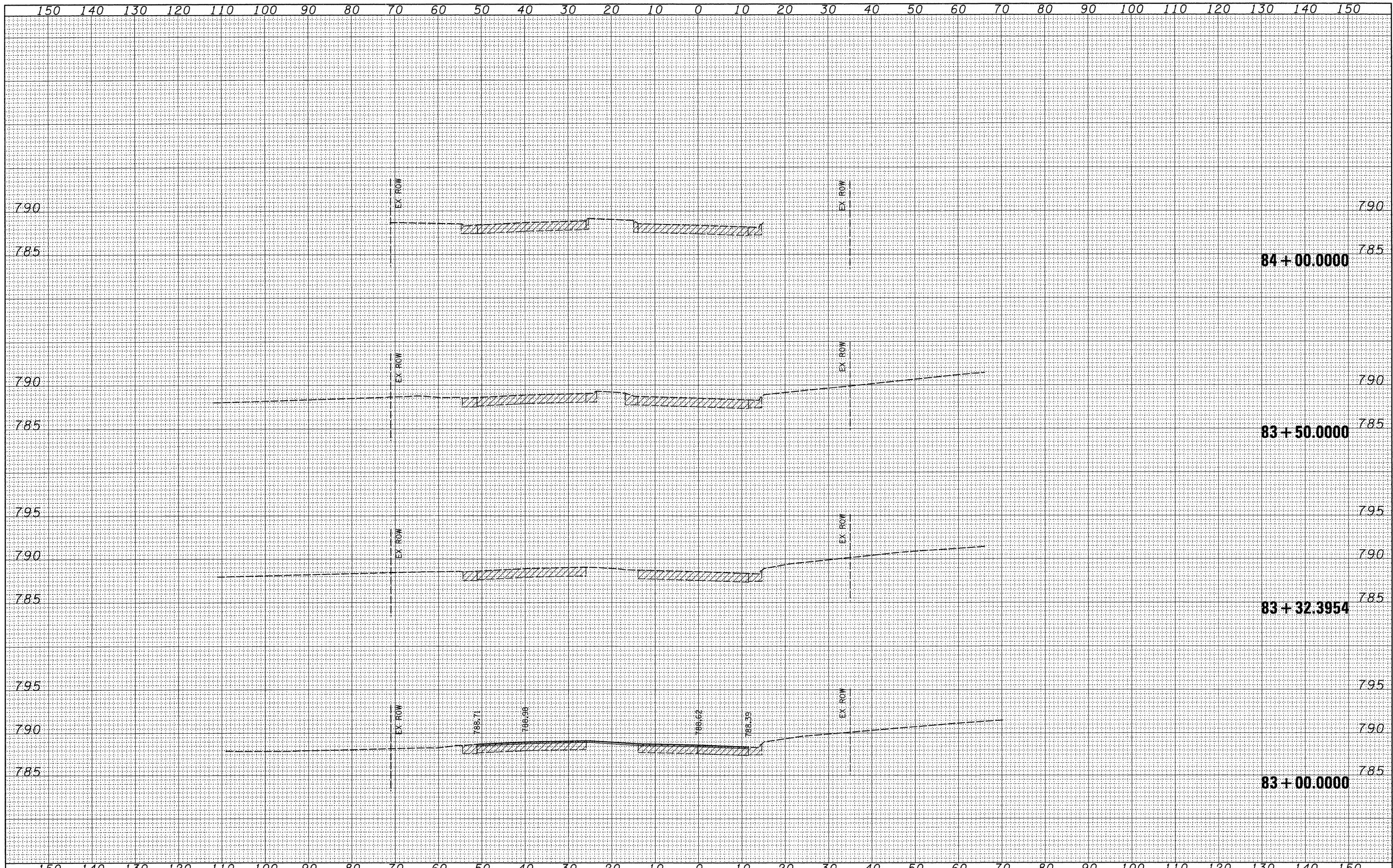
**US BUS 20**

SCALE: SHEET NO. OF SHEETS STA. 81+50.000 TO STA. 82+86.4324

F.A.P. RTE. 303	SECTION (40R)T	COUNTY WINNEBAGO	TOTAL SHEETS 67	SHEET NO. 66
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT		CONTRACT NO. 64C65		

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

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



FILE NAME =  
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USER NAME = polzinej  
 PLOT SCALE = 10.0000' / IN.  
 PLOT DATE = Mon Aug 04 15:19:39 2008

DESIGNED -  
 DRAWN -  
 CHECKED -  
 DATE -

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**US BUS 20**

SCALE: SHEET NO. OF SHEETS STA. 83+00.000 TO STA. 84+00.000

F.A.P. RTE. 303	SECTION (40R)	COUNTY WINNEBAGO	TOTAL SHEETS 67	SHEET NO. 67
CONTRACT NO. 64C65				
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				