CONTRACT NO. 64B43

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
553	120T-2	OGLE	59	1

11-16-07 Letting, Item 026

PROJECT ENGINEER: MASOOD AHMAD

SENIOR SQUAD LEADER: SAM ABDULLAH (815) 284-5935
STUDIES & PLANS SQUAD ENGINEER: COREY CONDERMAN (815) 284-5936

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROPOSED
HIGHWAY PLANS

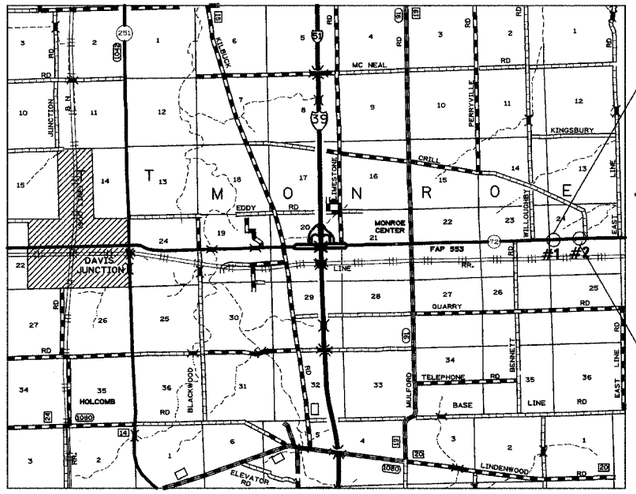
FAP ROUTE 553 (IL 72)
SECTION 120T-2
PROJECT ACF-0553(150)
OGLE COUNTY
C-92-008-07

D-92-106-05

LOCATION OF SECTION INDICATED THUS: –

N

R 2 E



MONROE TOWNSHIP, SECTION 24

EXISTING S.N. 071-1141
PROPOSED S.N. 071-1160
STA 2109+85
REMOVE EXISTING 6'X5.5' BOX CULVERT AND CONSTRUCT 2 CELL 6'X5' BOX CULVERT AT 27° SKEW WITH NEW STA 2109+64.78

SECTION & IMPROVEMENT BEGINS
STA 2106+80
SECTION ENDS
STA 2112+20

EXISTING S.N. 071-1140
PROPOSED S.N. 071-1161
STA 2131+99
REMOVE EXISTING 6'X4' BOX CULVERT AND CONSTRUCT 2 CELL 6'X3' BOX CULVERT AT 45° SKEW WITH NEW STA 2131+60

SECTION BEGINS
STA 2128+80
SECTION & IMPROVEMENT ENDS
STA 2134+20

100' 200' 300' — 1" = 100'
10' 20' 30' — 1" = 10'
50' 100' — 1" = 50'
50' 100' — 1" = 40'
50' 100' — 1" = 30'
50' 100' — 1" = 20'

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.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED 8/10 20 07
George T. Ryan
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER
October 12, 20 07
Eric E. Harm (P.E.)
Interim ENGINEER OF DESIGN AND ENVIRONMENT
October 12, 20 07
Milton R. Sees, P.E. (P.E.)
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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

GROSS LENGTH OF PROJECT = 2440 LIN. FT = 0.46 MILE
NET LENGTH OF PROJECT = 2440 LIN. FT = 0.46 MILE

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

CONTRACT NO. 64B43

FAP 553 (IL 72) SECTION 120T-2 OGLE COUNTY DISTRICT 2 DIXON, IL

CONTRACT NO. 64B43

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
553	120T-2	OGLE	59	2
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

INDEX OF SHEETS

STATE STANDARDS

000001	- 04	Standard Symbols, Abbreviations, and Patterns
280001	- 03	Temporary Erosion Control Systems
420001	- 06	Pavement Joints
442201	- 02	Class C & D Patches
515001	- 02	Name Plate for Bridges
542401		Metal End Section for Pipe Culverts
635001		Delineators
666001		Right-Of-Way Markers
667101		Permanent Survey Markers
701006	- 02	Typical Application of Traffic Control Standard
701201	- 02	Typical Application of Traffic Control Standard
701301	- 02	Typical Application of Traffic Control Standard
701311	- 02	Typical Application of Traffic Control Standard
701321	- 08	Typical Application of Traffic Control Standard
701326	- 02	Typical Application of Traffic Control Standard
702001	- 06	Traffic Control Devices
704001	- 03	Temporary Concrete Barrier
720011		Metal Posts for Signs, Markers & Delineators
728001		Telescoping Steel Sign Support
729001		Applications of Types A &B Metal Posts (For Signs & Markers)
781001	- 02	Typical Applications Raised Reflective Pavement Markers

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SCALE: VERT. HORIZ.
DATE
DRAWN BY
CHECKED BY

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CONTRACT NO. 64B43

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
553	120T-2	OGLE	59	3

STA. __________ TO STA. __________

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

SUMMARY OF QUANTITIES

	CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	ROADWAY - Y007 80% FED 20% STATE
	20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	425	425
	20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	247	247
	20200100	EARTH EXCAVATION	CU YD	242	242
	20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	161	161
	20400800	FURNISHED EXCAVATION	CU YD	724	724
*	25000210	SEEDING, CLASS 2A	ACRE	1.08	1.08
■	25000750	MOWING	ACRE	1.08	1.08
*	25100115	MULCH, METHOD 2	ACRE	1.08	1.08
	25100630	EROSION CONTROL BLANKET	SQ YD	1089	1089
	28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	216	216
	28000300	TEMPORARY DITCH CHECKS	EACH	18	18
	28000400	PERIMETER EROSION BARRIER	FOOT	570	570
	28000500	INLET AND PIPE PROTECTION	EACH	2	2
	28100107	STONE RIPRAP, CLASS A4	SQ YD	134	134
	28200200	FILTER FABRIC	SQ YD	134	134
	35101600	AGGREGATE BASE COURSE, TYPE B 4"	SQ YD	1,600	1,600
	40600990	TEMPORARY RAMP	SQ YD	58	58
	40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	273	273
	44201383	CLASS C PATCHES, TYPE IV, 12 INCH	SQ YD	532	532
	48101200	AGGREGATE SHOULDERS, TYPE B	TON	30	30
	48203019	HOT-MIX ASPHALT SHOULDERS, 5 1/2"	SQ YD	1,417	1,417
	50100300	REMOVAL OF EXISTING STRUCTURES NO. 1	EACH	1	1
	50100400	REMOVAL OF EXISTING STRUCTURES NO. 2	EACH	1	1
	51500100	NAME PLATES	EACH	2	2
	54010603	PRECAST CONCRETE BOX CULVERT 6' X 3'	FOOT	144	144

■ 100% STATE
* SPECIALTY ITEM

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

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CONTRACT NO. 64B43

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
553	120T-2	OGLE	59	4
STA. _____	TO STA. _____			
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

SUMMARY OF QUANTITIES

ROADWAY - Y007

CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	80% FED 20% STATE
54010605	PRECAST CONCRETE BOX CULVERT 6' X 5'	FOOT	96	96
542D1087	PIPE CULVERTS, CLASS D, TYPE 2 42"	FOOT	125	125
54213477	END SECTIONS 42"	EACH	2	2
60246540	INLET BOX, SPECIAL	EACH	1	1
61100500	EXPLORATION TRENCH 52" DEPTH	FOOT	40	40
61133100	FIELD TILE JUNCTION VAULTS, 2' DIA.	EACH	4	4
63200310	GUARDRAIL REMOVAL	FOOT	1,088	1,088
63500105	DELINEATORS	EACH	4	4
66600105	FURNISHING AND ERECTING RIGHT-OF-WAY MARKERS	EACH	22	22
66700305	PERMANENT SURVEY MARKERS, TYPE II	EACH	3	3
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	3	3
67100100	MOBILIZATION	L SUM	1	1
70100405	TRAFFIC CONTROL AND PROTECTION, STANDARD 701321	EACH	2	2
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	1
70100500	TRAFFIC CONTROL AND PROTECTION, STANDARD 701326	L SUM	1	1
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	10	10
70106500	TEMPORARY BRIDGE TRAFFIC SIGNALS	EACH	2	2
70106700	TEMPORARY RUMBLE STRIP	EACH	12	12
70300520	PAVEMENT MARKING TAPE, TYPE III 4"	FOOT	4,230	4,230
70300570	PAVEMENT MARKING TAPE, TYPE III 24"	FOOT	62	62
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	1,534	1,534
70400100	TEMPORARY CONCRETE BARRIER	FOOT	660	660

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

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SUMMARY OF QUANTITIES

	CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	ROADWAY - Y007 80% FED 20% STATE
	70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	660	660
*	78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	20,770	20,770
*	78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	4	4
	78300100	PAVEMENT MARKING REMOVAL	SQ FT	994	994
*	A2006714	TREE, QUERCUS MACROCARPA (BUR OAK), 1-3/4" CALIPER, BALLED AND BURLAPPED	EACH	25	25
*	C2001736	SHRUB, CORNUS SERICEA CARDINAL (CARDINAL REDOSIER DOGWOOD), 3' HEIGHT, BALLED AND BURLAPPED	EACH	34	34
	X0323988	TEMPORARY SOIL RETENTION SYSTEM	SQ FT	814	814
	Z0005400	BREAKER-RUN CRUSHED STONE	TON	329	329
	Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1
	Z0020900	ESTABLISHING AND REFERENCING LAND SECTION MARKERS	EACH	2	2
	Z0023500	FILLING EXISTING CULVERTS	CU YD	45	45
	Z0029001	GRATED CULVERT EXTENSION, NO. 1	EACH	4	4
	Z0029002	GRATED CULVERT EXTENSION, NO. 2	EACH	2	2
	Z0030250	IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3	EACH	4	4
	Z0030350	IMPACT ATTENUATORS, RELOCATE (NON-REDIRECTIVE), TEST LEVEL 3	EACH	4	4

* SPECIALTY ITEM

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REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

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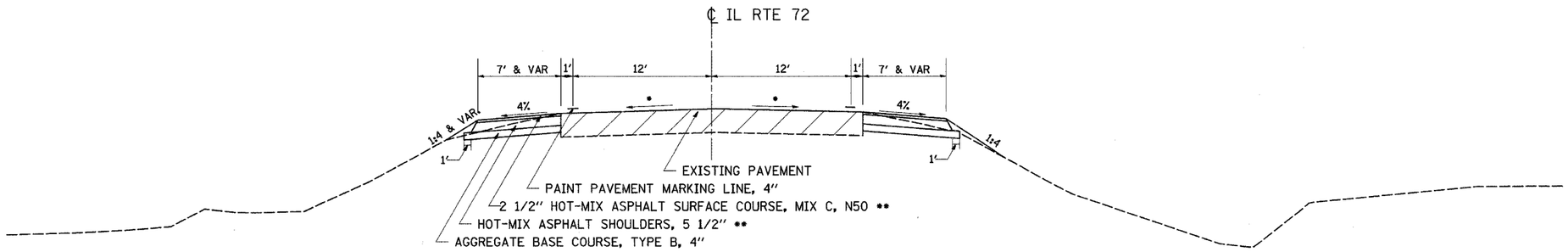
CHECKED BY

CONTRACT NO. 64B43

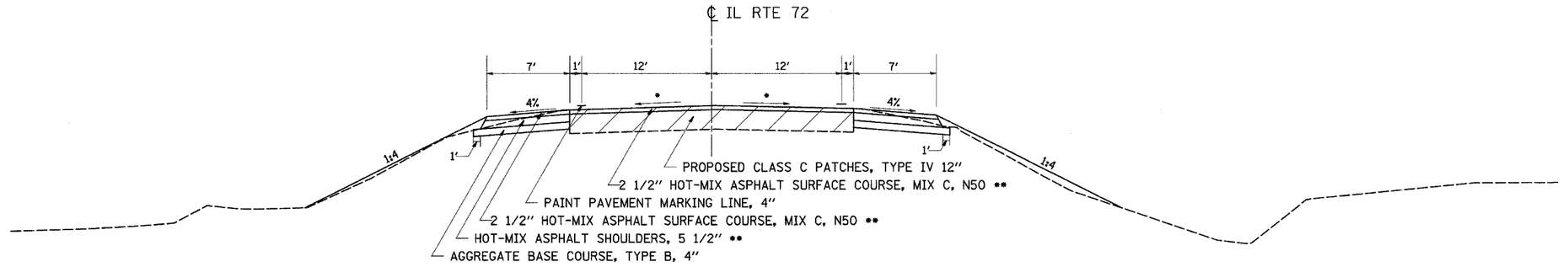
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
553	12QI-2	OGLE	59	6
STA. _____	TO STA. _____			
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

TYPICAL SECTIONS

STA 2106+80 TO STA 2109+33
STA 2109+97 TO STA 2112+20
STA 2128+80 TO STA 2131+10
STA 2132+10 TO STA 2134+20



STA 2109+33 TO STA 2110+09
STA 2131+10 TO STA 2132+18



** 112 LBS/SQ YD/IN

• MATCH EXISTING CROSS SLOPES WITH A MINIMUM OF 1/8" PER FOOT

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SCALE: VERT. HORIZ.
DRAWN BY
DATE
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TYPICAL SECTIONS

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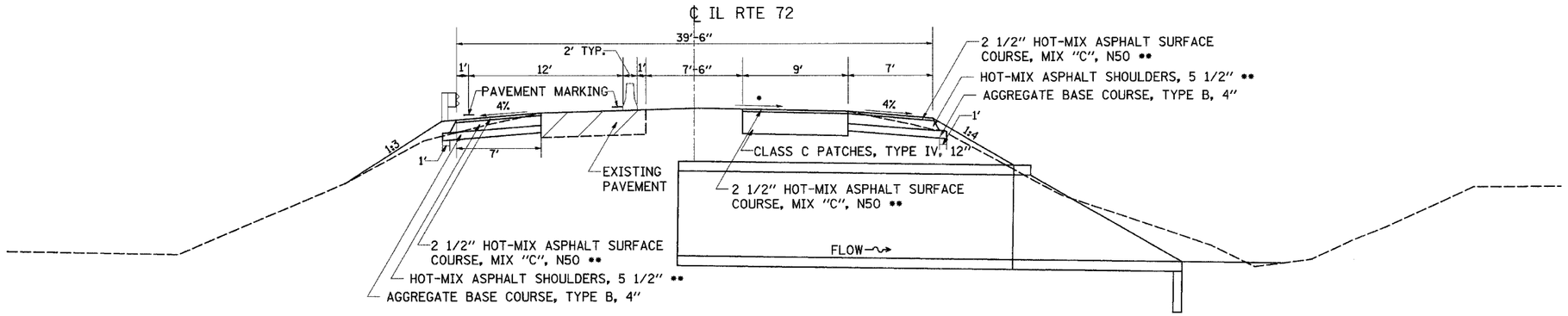
CONTRACT NO. 64B43

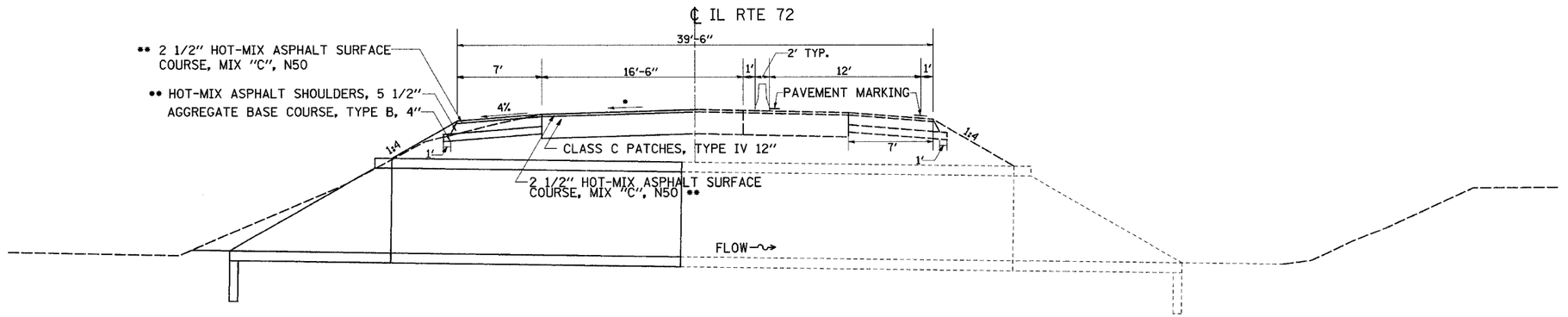
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
553	120T-2	OGLE	59	7
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

STAGING TYPICALS

STA 2109+64.78
STAGE 1 TYPICAL



STA 2109+64.78
STAGE 2 TYPICAL



** 112 LBS/SQ YD/IN
* MATCH EXISTING

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SCALE: VERT.
HORIZ.
DATE

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CHECKED BY

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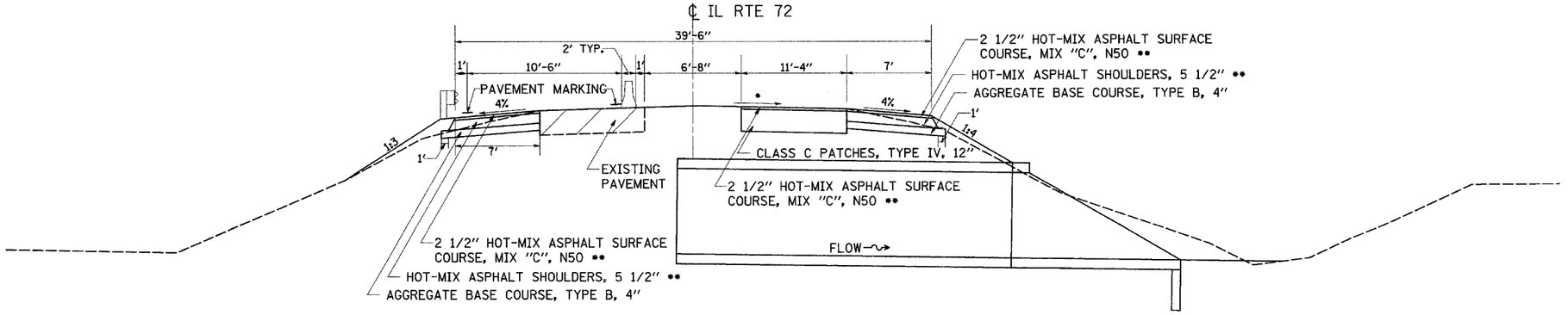
STAGING TYPICALS

CONTRACT NO. 64B43

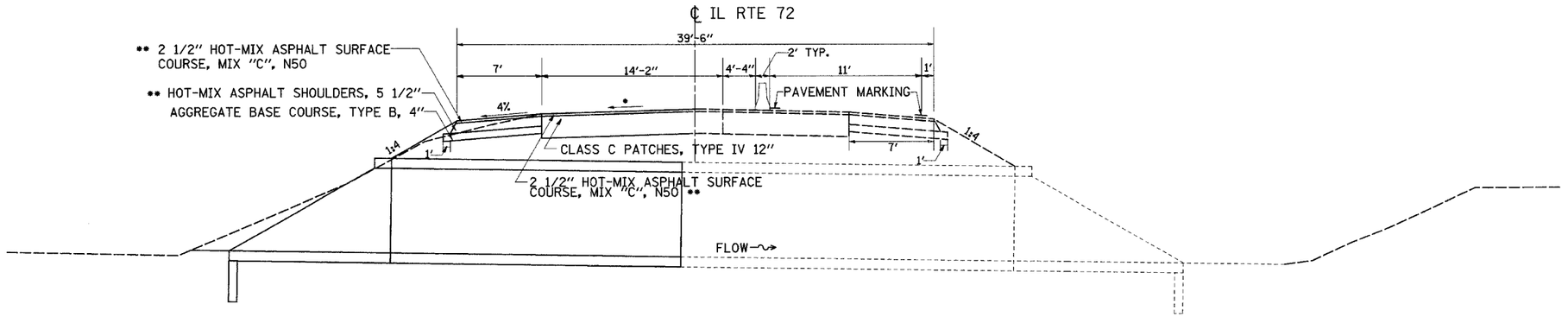
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
553	120T-2	OGLE	59	8
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

STAGING TYPICALS

STA 2131+60
STAGE 3 TYPICAL



STA 2131+60
STAGE 4 TYPICAL



** 112 LBS/SQ YD/IN
* MATCH EXISTING

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SCALE: VERT.
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DATE

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STAGING TYPICALS

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GENERAL NOTES

ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 553 (IL 72)	120T-2	Ogle	59	9
FED ROAD DIST. NO.	ILLINOIS	PROJECT		
Contract #64B43				

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.

It is estimated that 724 cubic yards of earth will be hauled to the job from outside the project limits. A shrinkage factor of 25% has been used.

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 or SODDING.

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

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

The following Mixture Requirements are applicable for this project:

Mixture Uses(s):	Surface	Top Shoulder	Bottom Shoulder
PG:	PG 64-22	PG 58-22	PG 58-22
Mixture Composition (Gradation Mixture)	IL 9.5 or 12.5	IL 9.5 or 12.5	BAM
Friction Aggregate	C	C	N/A
20 Year ESAL	2.3	N/A	N/A
Mix Unit Weight	112 lbs/SY/in	112 lbs/SY/in	

Bituminous and Aggregate prime coat shall be placed in accordance with Section 406 of the Standard Specifications. The cost of the prime coats shall be included in the contract unit price per metric ton (ton) for HOT-MIX ASPHALT SURFACE COURSE of the type specified.

The new number for this structure will be 071-1160 & 071-1161.

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 excavated materials from earth excavation widening, grading and shaping ditches, and excavating and grading shoulders shall be used to build up the shoulder throughout the job to conform with the typical sections and shoulder widening for terminals as shown on the plans.

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: 3 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.

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:

AT&T Communications, Inc.
Commonwealth Edison Co.
Mediacom
Verizon

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

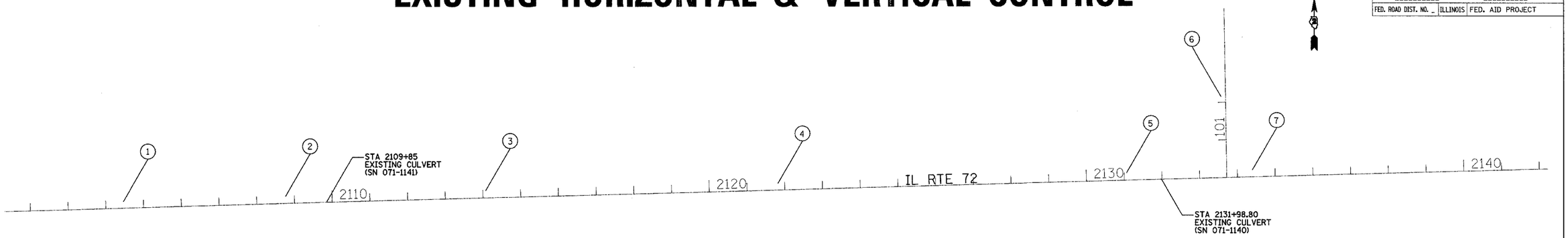
Per SB 699 (90 day utility relocation law), once right-of-way is clear to award the project, a notice will be sent to the utility companies instructing them to have their facilities relocated within 90 days. Estimated date relocation complete = Letting Date + 135 days.

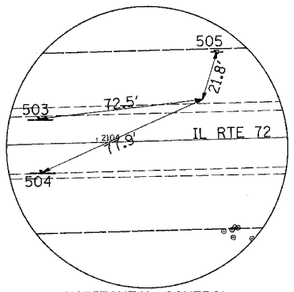
CADD data will be available to Contractors and Consultants working on this project. This information will be provided upon request as MicroStation CADD files and Geopak coordinate geometry files ONLY. If data is required in other formats it will be your responsibility to make these conversions. If any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

CONTRACT NO. 64B43

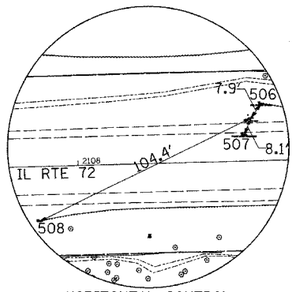
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
553	120I-2	OGLE	59	10
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

EXISTING HORIZONTAL & VERTICAL CONTROL

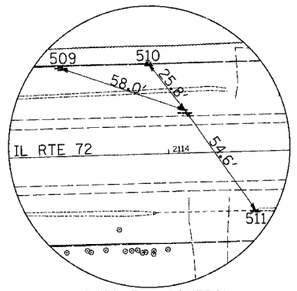




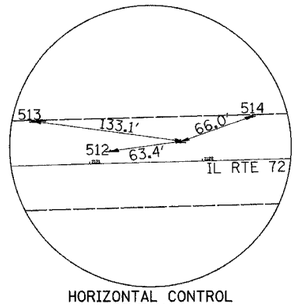
HORIZONTAL CONTROL
POINT No. 1



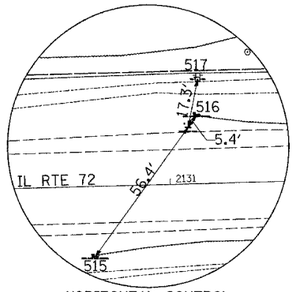
HORIZONTAL CONTROL
POINT No. 2



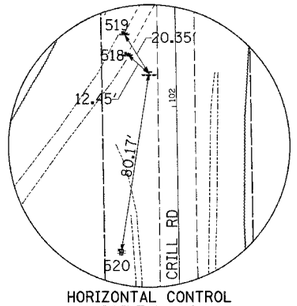
HORIZONTAL CONTROL
POINT No. 3



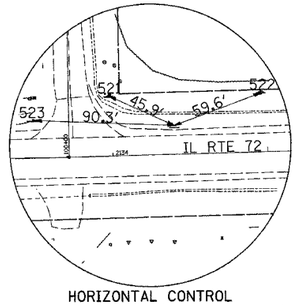
HORIZONTAL CONTROL
POINT No. 4



HORIZONTAL CONTROL
POINT No. 5



HORIZONTAL CONTROL
POINT No. 6



HORIZONTAL CONTROL
POINT No. 7

HORIZONTAL CONTROL POINTS

POINT	NORTH	EAST	ELEVATION	CHAIN	STATION	OFFSET	DESCRIPTION
1	1981747.2860	2624099.3000	814.8210	ILRT72	2104+47.3044	17.8436' LT	TOPO SURVEY POINT, PIN
2	1981759.8570	2624529.0970	805.1000	ILRT72	2108+77.2836	19.01' LT	TOPO SURVEY POINT, PIN
3	1981774.1060	2625059.3320	808.4280	ILRT72	2114+07.7100	19.1898' LT	TOPO SURVEY POINT, PIN
4	1981793.5570	2625834.0040	815.7750	ILRT72	2121+82.6253	18.0861' LT	TOPO SURVEY POINT, PIN
5	1981819.9800	2626757.8580	796.1010	ILRT72	2131+06.8552	19.995' LT	TOPO SURVEY POINT, PIN
6	1982022.1730	2627007.7560	789.7790	CRILLRD	102+14.6711	11.9839' LT	TOPO SURVEY POINT, PIN
7	1981827.5160	2627090.9810	796.2200	ILRT72	2134+40.0608	18.6925' LT	TOPO SURVEY POINT, PIN

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USER NAME = dossdd

EXISTING HORIZONTAL & VERTICAL CONTROL

Chain ILRT72 contains:
1000 1002 1202

Beginning chain ILRT72 description
==

Point 1000 N 1,981,608.1985 E 2,619,530.1330 Sta 2058+76.0557

Course from 1000 to 1002 88° 28' 48.2829" Dist 10,128.7443'

Equation: Sta 2160+04.8000 (BK) = Sta 0+00.0000 (AH) End Region 1 / Begin Region 2

Point 1002 N 1,981,876.8586 E 2,629,655.3136 Sta 0+00.0000

Course from 1002 to 1202 88° 28' 48.2820" Dist 12,165.2201'

Point 1202 N 1,982,199.5353 E 2,641,816.2535 Sta 121+65.2201

==
Ending chain ILRT72 description

REFERENCE TIES

POINT	CHAIN	STATION	OFFSET	DESCRIPTION
503	ILRT72	2103+75.0697	11.2373' LT	PAVEMENT STATION NUMBER
504	ILRT72	2103+75.5484	12.4568' RT	PAVEMENT STATION NUMBER
505	ILRT72	2104+54.3246	38.4937' LT	POWER POLE
506	ILRT72	2108+82.0125	25.3138' LT	GUARDRAIL STEEL PLATE BEAM, END
507	ILRT72	2108+74.1270	11.5661' LT	PAVEMENT STATION NUMBER
508	ILRT72	2107+82.3081	24.3491' RT	GUARDRAIL STEEL PLATE BEAM, END
509	ILRT72	2113+53.2252	39.0359' LT	POWER POLE
510	ILRT72	2113+92.2640	39.9058' LT	FENCE POST
511	ILRT72	2114+37.9807	26.2351' RT	PIPE CULVERT, END
512	ILRT72	2121+19.6132	10.963' LT	PAVEMENT STATION NUMBER
513	ILRT72	2120+51.1854	39.1329' LT	TELEPHONE SPLICE BOX
514	ILRT72	2122+45.4225	38.3716' LT	POWER POLE
515	ILRT72	2130+72.5964	24.859' RT	GUARDRAIL STEEL PLATE BEAM, END
516	ILRT72	2131+09.9934	24.4474' LT	GUARDRAIL STEEL PLATE BEAM, END
517	ILRT72	2131+10.7039	36.8629' LT	POWER POLE
518	CRILLRD	102+23.5449	21.3582' LT	PIPE CULVERT, END
519	CRILLRD	102+32.7785	22.5371' LT	PIPE CULVERT, END
520	CRILLRD	101+36.3599	25.5563' LT	POWER POLE
521	ILRT72	2133+98.7479	38.5833' LT	TELEPHONE SPLICE BOX
522	ILRT72	2134+96.5072	37.938' LT	POWER POLE
523	ILRT72	2133+49.9397	24.5209' LT	GUARDRAIL STEEL PLATE BEAM, END

SURVEY WORK POINTS

POINT	NORTH	EAST	ELEVATION	CHAIN	STATION	OFFSET	DESCRIPTION
100	1981691.3810	2624328.4590	808.4180	ILRT72	2106+74.8999	44.1201' RT	TOPO SURVEY POINT, PIN
101	1981638.9590	2624601.0840	802.8340	ILRT72	2109+46.0385	103.7549' RT	TOPO SURVEY POINT, NAIL

BENCH MARKS

POINT	NORTH	EAST	ELEVATION	CHAIN	STATION	OFFSET	DESCRIPTION
402	1981697.7430	2624395.6210	808.1060	ILRT72	2107+42.2070	39.5417' RT	R.O.W. MARKER, TOP
404	1981812.0160	2625709.6390	816.9430	ILRT72	2120+58.7937	39.8373' LT	R.O.W. MARKER, TOP
406	1981942.0030	2626995.4330	791.8880	ILRT72	2133+47.5832	135.6735' LT	POWER POLE, RAIL ROAD SPIKE

APPARENT PROPERTY CORNERS

POINT	NORTH	EAST	ELEVATION	CHAIN	STATION	OFFSET	DESCRIPTION
700	1981732.5700	2624396.2510	807.9860	ILRT72	2107+43.7605	4.7437' RT	QUARTER CORNER, PK NAIL

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CONTRACT NO. 64B43

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
553	120T-2	OGLE	59	12
STA. _____	TO STA. _____			
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

SCHEDULE OF QUANTITIES

20100110 TREE REMOVAL (6 TO 15 UNITS DIAMETER)

UNIT	LOCATION	
	IL 72	
6	Sta 2108+84	38' LT
6	Sta 2108+06	41' RT
11	Sta 2108+12	45' RT
8	Sta 2108+16	45' RT
10	Sta 2108+26	48' RT
6	Sta 2108+42	38' RT
6	Sta 2108+45	50' RT
6	Sta 2108+56	44' RT
8	Sta 2108+66	54' RT
8	Sta 2108+71	45' RT
8	Sta 2108+78	48' RT
8	Sta 2108+81	43' RT
6	Sta 2108+83	32' RT
6	Sta 2108+87	42' RT
8	Sta 2108+93	45' RT
8	Sta 2108+97	30' RT
8	Sta 2109+08	57' RT
8	Sta 2109+12	55' RT
8	Sta 2109+14	55' RT
6	Sta 2109+27	48' RT
10	Sta 2109+33	54' RT
12	Sta 2109+38	27' RT
12	Sta 2109+40	30' RT
12	Sta 2109+49	42' RT
12	Sta 2109+54	26' RT
10	Sta 2109+60	58' RT
10	Sta 2109+75	43' RT
10	Sta 2109+85	47' RT
10	Sta 2109+87	50' RT
10	Sta 2109+88	45' RT
10	Sta 2109+91	47' RT
10	Sta 2109+96	48' RT
14	Sta 2110+25	42' RT
14	Sta 2110+26	45' RT
6	Sta 2110+44	44' RT
8	Sta 2130+50	44' RT
12	Sta 2130+51	42' RT
8	Sta 2130+54	45' RT
14	Sta 2130+55	42' RT
12	Sta 2130+65	42' RT
6	Sta 2131+13	50' RT
6	Sta 2131+38	40' RT
6	Sta 2131+40	39' RT
6	Sta 2131+41	38' RT
6	Sta 2131+42	38' RT
6	Sta 2131+51	37' RT
6	Sta 2131+53	37' RT
6	Sta 2131+53	38' RT
12	Sta 2132+68	47' RT
425	TOTAL	

20100210 TREE REMOVAL (OVER 15 UNITS DIAMETER)

UNIT	LOCATION	
	IL 72	
30	Sta 2110+12	30' LT
24	Sta 2110+70	27' LT
15	Sta 2107+97	28' RT
36	Sta 2108+31	32' RT(STUMP)
16	Sta 2108+46	49' RT
18	Sta 2108+62	34' RT
28	Sta 2108+96	50' RT
18	Sta 2109+81	46' RT
16	Sta 2110+02	40' RT
16	Sta 2110+55	43' RT
30	Sta 2132+16	33' RT
247	TOTAL	

20200100 EARTH EXCAVATION

CU YD	LOCATION	
	IL 72	
166	Sta 2106+75 - 2112+25	LT & RT
76	Sta 2128+75 - 2134+25	LT & RT
242	TOTAL	

20201200 REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL

CU YD	LOCATION	
	IL 72	
78	Sta 2109+64.78	(Removable of Unsiutable Material)
83	Sta 2131+60	(Removable of Unsiutable Material)
161	TOTAL	

20400800 FURNISHED EXCAVATION

CU YD	LOCATION	
	IL 72	
427	Sta 2106+75 - 2112+25	LT & RT
297	Sta 2128+75 - 2134+25	LT & RT
724	TOTAL	

25000210 SEEDING, CLASS 2A

ACRE	LOCATION	
	IL 72	
0.32	Sta 2106+80 - 2112+20	LT
0.30	Sta 2106+80 - 2112+20	RT
0.24	Sta 2128+80 - 2134+20	LT
0.22	Sta 2128+80 - 2134+20	RT
1.08	TOTAL	

25000750 MOWING

ACRE	LOCATION	
	IL 72	
0.32	Sta 2106+80 - 2112+20	LT
0.30	Sta 2106+80 - 2112+20	RT
0.24	Sta 2128+80 - 2134+20	LT
0.22	Sta 2128+80 - 2134+20	RT
1.08	TOTAL	

25100115 MULCH, METHOD 2

ACRE	LOCATION	
	IL 72	
0.32	Sta 2106+80 - 2112+20	LT
0.30	Sta 2106+80 - 2112+20	RT
0.24	Sta 2128+80 - 2134+20	LT
0.22	Sta 2128+80 - 2134+20	RT
1.08	TOTAL	

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

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USER NAME = dosadd

CONTRACT NO. 64B43

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
553	120T-2	OGLE	59	13
STA. _____	TO STA. _____			
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

SCHEDULE OF QUANTITIES

25100630 EROSION CONTROL BLANKET

SQ YD	LOCATION		
	IL 72		
233.3	Sta 2108+00 - 2109+50	RT	(150' X 14')
311.1	Sta 2109+50 - 2111+50	RT	(200' X 14')
311.1	Sta 2130+00 - 2132+00	LT	(200' X 14')
233.3	Sta 2131+00 - 2132+50	RT	(150' X 14')
1088.8	TOTAL		

28000250 TEMPORARY EROSION CONTROL SEEDING

POUND	LOCATION		
	IL 72		
64	Sta 2106+80 - 2112+20	LT	
60	Sta 2106+80 - 2112+20	RT	
48	Sta 2128+80 - 2134+20	LT	
44	Sta 2128+80 - 2134+20	RT	
216	TOTAL		

28000300 TEMPORARY DITCH CHECKS

EACH	LOCATION	
	IL 72	
1	Sta 2108+00	RT
1	Sta 2108+30	RT
1	Sta 2108+60	RT
1	Sta 2108+85	RT
1	Sta 2109+25	RT
1	Sta 2109+50	RT
1	Sta 2110+00	RT
1	Sta 2110+50	RT
1	Sta 2111+00	RT
1	Sta 2130+25	LT
1	Sta 2130+60	LT
1	Sta 2130+95	LT
1	Sta 2131+30	LT
1	Sta 2131+65	LT
1	Sta 2132+00	LT
1	Sta 2131+25	RT
1	Sta 2131+75	RT
1	Sta 2132+25	RT
18	TOTAL	

28000400 PERIMETER EROSION BARRIER

FOOT	LOCATION		
	IL 72		
285	Sta 2109+00 - 2111+50	LT	
140	Sta 2130+00 - 2131+25	RT	
145	Sta 2132+00 - 2133+25	LT	
570	TOTAL		

28000500 INLET AND PIPE PROTECTION

EACH	LOCATION	
	IL 72	
1	Sta 2109+46	47' RT
1	Sta 2131+29	34' RT
	TOTAL 2	

28100107 STONE RIPRAP, CLASS A4

SQ YD	LOCATION		
	IL 72		
58.7	Sta 2109+97	LT	(24' x 22')
74.7	Sta 2132+18	LT	(24' x 28')
133.4	TOTAL		

28200200 FILTER FABRIC

SQ YD	LOCATION		
	IL 72		
58.7	Sta 2109+97	LT	(24' x 22')
74.7	Sta 2132+18	LT	(24' x 28')
133.4	TOTAL		

35101600 AGGREGATE BASE COURSE, TYPE B 4"

SQ YD	LOCATION		
	IL 72		
405.8	Sta 2106+80 - 2112+20	Shoulder - LT	
405.8	Sta 2106+80 - 2112+20	Shoulder - RT	
382.3	Sta 2128+80 - 2133+50	Shoulder - LT	
405.8	Sta 2128+80 - 2134+20	Shoulder - RT	
1599.7	TOTAL		

40600990 TEMPORARY RAMP

SQ YD	LOCATION		
	IL 72		
7.2	Sta 2109+33	LT	(13' x 5')
7.2	Sta 2109+33	RT	(13' x 5')
7.2	Sta 2109+97	LT	(13' x 5')
7.2	Sta 2109+97	RT	(13' x 5')
7.2	Sta 2131+10	LT	(13' x 5')
7.2	Sta 2131+10	RT	(13' x 5')
7.2	Sta 2132+10	LT	(13' x 5')
7.2	Sta 2132+10	RT	(13' x 5')
57.6	TOTAL		

40603310 HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50

TON	LOCATION	
	IL 72	
30.7	Sta 2109+33 - 2110+09	Over Patch
43.7	Sta 2131+10 - 2132+18	Over Patch
5.6	Sta 2106+80 - 2107+70	Shoulder - LT
39.2	Sta 2107+70 - 2111+30	Shoulder - LT
5.6	Sta 2111+30 - 2112+20	Shoulder - LT
5.6	Sta 2106+80 - 2107+70	Shoulder - RT
39.2	Sta 2107+70 - 2111+30	Shoulder - RT
5.6	Sta 2111+30 - 2112+20	Shoulder - RT
5.6	Sta 2128+80 - 2129+70	Shoulder - LT
41.6	Sta 2129+70 - 2133+50	Shoulder - LT
5.6	Sta 2128+80 - 2129+70	Shoulder - RT
39.2	Sta 2129+70 - 2133+30	Shoulder - RT
5.6	Sta 2133+30 - 2134+20	Shoulder - RT
272.8	TOTAL	

44201383 CLASS C PATCHES, TYPE IV, 12 INCH

SQ YD	LOCATION	
	IL 72	
219.6	Sta 2109+33 - 2110+09	(76' x 26')
312.0	Sta 2131+10 - 2132+18	(108' x 26')
531.6	TOTAL	

REVISIONS NAME	DATE

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CONTRACT NO. 64B43

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
553	120T-2	OGLE	59	14
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SCHEDULE OF QUANTITIES

48101200 AGGREGATE SHOULDERS, TYPE B

TON	LOCATION
	IL 72
30.0	As needed and directed by the Resident
30.0	TOTAL

48203019 HOT-MIX ASPHALT SHOULDERS, 5 1/2"

SQ YD	LOCATION
	IL 72
40.0	Sta 2106+80 - 2107+70 Shoulder - LT
280.0	Sta 2107+70 - 2111+30 Shoulder - LT
40.0	Sta 2111+30 - 2112+20 Shoulder - LT
40.0	Sta 2106+80 - 2107+70 Shoulder - RT
280.0	Sta 2107+70 - 2111+30 Shoulder - RT
40.0	Sta 2111+30 - 2112+20 Shoulder - RT
40.0	Sta 2128+80 - 2129+70 Shoulder - LT
297.0	Sta 2129+70 - 2133+50 Shoulder - LT
40.0	Sta 2128+80 - 2129+70 Shoulder - RT
280.0	Sta 2129+70 - 2133+30 Shoulder - RT
40.0	Sta 2133+30 - 2134+20 Shoulder - RT
1417.0	TOTAL

50100300 REMOVAL OF EXISTING STRUCTURE NO. 1

EACH	LOCATION
	IL 72
1	Sta 2109+85 (6' x 5.5)
1	TOTAL

50100400 REMOVAL OF EXISTING STRUCTURE NO. 2

EACH	LOCATION
	IL 72
1	Sta 2131+99 (6' x 4')
1	TOTAL

51500100 NAME PLATES

EACH	LOCATION
	IL 72
1	Sta 2109+64.78
1	Sta 2131+60
2	TOTAL

54010603 PRECAST CONCRETE BOX CULVERT 6' X 3'

FOOT	LOCATION
	IL 72
144	Sta 2131+60 (Double Cell - 2 @ 72)
144	TOTAL

54010605 PRECAST CONCRETE BOX CULVERT 6' X 5'

FOOT	LOCATION
	IL 72
96	Sta 2109+64.78(Double Cell - 2 @ 48)
96	TOTAL

542D1087 PIPE CULVERTS, CLASS D, TYPE 2 42"

FOOT	LOCATION
	IL 72
60	Sta 2109+85 (Install during Stage 1)
65	Sta 2131+98.8 (Install during Stage 3)
125	TOTAL

54213477 END SECTIONS 42"

EACH	LOCATION
	IL 72
1	Sta 2109+85 (Install during Stage 1)
1	Sta 2131+98.8 (Install during Stage 3)
2	TOTAL

60246540 INLET BOX, SPECIAL

EACH	LOCATION		
	IL 72		
1	Sta 2131 + 29	31' RT	(8' X 13.25')
1	**TOTAL**		

61100500 EXPLORATION TRENCH 52" DEPTH

FOOT	LOCATION
	IL 72
40	As directed by the Resident
40	TOTAL

61133100 FIELD TILE JUNCTION VAULTS, 2' DIA.

EACH	LOCATION
	IL 72
4	As directed by the Resident
4	TOTAL

63200310 GUARDRAIL REMOVAL

FOOT	LOCATION		
	IL 72		
337.5	Sta 2108+83 - 2112+21	LT	(27 panels @ 12.5')
312.5	Sta 2107+83 - 2110+96	RT	(25 panels @ 12.5')
237.5	Sta 2131+11 - 2133+49	LT	(19 panels @ 12.5')
200.0	Sta 2130+74 - 2132+74	RT	(16 panels @ 12.5')
1087.5	TOTAL		

63500105 DELINEATORS

EACH	LOCATION
	IL 72
1	Sta 2109+64.78LT
1	Sta 2109+64.78RT
1	Sta 2131+60 LT
1	Sta 2131+60 RT
4	TOTAL

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

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CONTRACT NO. 64B43

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
553	120T-2	OGLE	59	15
STA. _____	TO STA. _____			
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

SCHEDULE OF QUANTITIES

66600105 FURNISHING AND ERECTING RIGHT-OF-WAY MARKERS

EACH	LOCATION	
	IL 72	
1	Sta 2108+00	40' LT
1	Sta 2109+00	55' LT
1	Sta 2109+50	90' LT
1	Sta 2110+50	90' LT
1	Sta 2111+00	50' LT
1	Sta 2112+00	40' LT
1	Sta 2107+50	40' RT
1	Sta 2108+00	55' RT
1	Sta 2109+00	70' RT
1	Sta 2110+00	70' RT
1	Sta 2111+00	50' RT
1	Sta 2112+00	40' RT
1	Sta 2130+00	40' LT
1	Sta 2131+00	50' LT
1	Sta 2132+00	85' LT
1	Sta 2132+75	85' LT
1	Sta 2133+00	45' LT
1	Sta 2133+39.09	40' LT
1	Sta 2130+00	40' RT
1	Sta 2130+75	65' RT
1	Sta 2132+00	65' RT
1	Sta 2133+00	40' LT
22	TOTAL	

66700305 PERMANENT SURVEY MARKER, TYPE II

EACH	LOCATION
	IL 72
1	As Directed by the Resident (Located at 1st culvert)
1	As Directed by the Resident (Located on hill between culverts)
1	As Directed by the Resident (Located at 2nd culvert)
3	TOTAL

70106700 TEMPORARY RUMBLE STRIPS

EACH	LOCATION	
	IL 72	
6	As Directed by the Resident	(Located at 1st culvert)
6	As Directed by the Resident	(Located at 2nd culvert)
12	**TOTAL**	

70300520 PAVEMENT MARKING TAPE, TYPE III 4"

FOOT	LOCATION	
	IL 72	
670	Sta 2106+35 - 2112+95	Stage 1 - White EOP
340	Sta 2108+00 - 2111+35	Stage 1 - White EOP
670	Sta 2106+35 - 2112+95	Stage 2 - White EOP
310	Sta 2108+15 - 2111+20	Stage 2 - White EOP
735	Sta 2128+25 - 2135+20	Stage 3 - White EOP
430	Sta 2129+50 - 2133+75	Stage 3 - White EOP
710	Sta 2128+25 - 2135+20	Stage 4 - White EOP
365	Sta 2129+85 - 2133+45	Stage 4 - White EOP
4230	TOTAL	

70300570 PAVEMENT MARKING TAPE, TYPE III 24"

FOOT	LOCATION	
	IL 72	
13	Sta 2106+35	Stop Bar
13	Sta 2112+95	Stop Bar
13	Sta 2128+25	Stop Bar
13	Sta 2135+20	Stop Bar
10	Crill Rd	Stop Bar
62	TOTAL	

70301000 WORK ZONE PAVEMENT MARKING REMOVAL

SQ FT	LOCATION	
	IL 72	
223.3	Sta 2106+35 - 2112+95	EOP Tape, Line 4"
113.3	Sta 2108+00 - 2111+35	EOP Tape, Line 4"
223.3	Sta 2106+35 - 2112+95	EOP Tape, Line 4"
103.3	Sta 2108+15 - 2111+20	EOP Tape, Line 4"
245.0	Sta 2128+25 - 2135+20	EOP Tape, Line 4"
143.3	Sta 2129+50 - 2133+75	EOP Tape, Line 4"
236.7	Sta 2128+25 - 2135+20	EOP Tape, Line 4"
121.7	Sta 2129+85 - 2133+45	EOP Tape, Line 4"
26.0	Sta 2106+35	Stop Bar Tape, Line 24"
26.0	Sta 2112+95	Stop Bar Tape, Line 24"
26.0	Sta 2128+25	Stop Bar Tape, Line 24"
26.0	Sta 2135+20	Stop Bar Tape, Line 24"
20.0	Crill Rd	Stop Bar Tape, Line 24"
1533.9	TOTAL	

70400100 TEMPORARY CONCRETE BARRIER

FOOT	LOCATION	
	IL 72	
310	Sta 2108+10 - 2111+20	Stage 1
350	Sta 2129+65 - 2133+15	Stage 3
660	TOTAL	

70400200 RELOCATE TEMPORARY CONCRETE BARRIER

FOOT	LOCATION	
	IL 72	
310	Sta 2108+10 - 2111+20	Stage 2
350	Sta 2129+85 - 2133+35	Stage 4
660	TOTAL	

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

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USER NAME = dosseld

CONTRACT NO. 64B43

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
553	120T-2	OGLE	59	16
STA. _____	TO STA. _____			
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

SCHEDULE OF QUANTITIES

78001110 PAINT PAVEMENT MARKING - LINE 4"

FOOT	LOCATION	
	IL 72	
1320	Sta 2106+35 - 2112+95	LT - White EOP (2 Applications)
330	Sta 2106+35 - 2112+95	CL - Yellow Skip Dash (2 Applications)
1320	Sta 2106+35 - 2112+95	RT - White EOP (2 Applications)
3060	Sta 2112+95 - 2128+25	LT - White EOP (2 Applications)
6120	Sta 2112+95 - 2128+25	CL - Double Yellow No Pass (2 Applications)
3060	Sta 2112+95 - 2128+25	RT - White EOP (2 Applications)
1390	Sta 2128+25 - 2135+20	LT - White EOP (2 Applications)
2780	Sta 2128+25 - 2135+20	CL - Double Yellow No Pass (2 Applications)
1390	Sta 2128+25 - 2135+20	RT - White EOP (2 Applications)
20,770	TOTAL	

78100100 RAISED REFLECTIVE PAVEMENT MARKER

EACH	LOCATION	
	IL 72	
2	Sta 2109+33 - 2110+09	Two-way Amber @ 80' o.c.
2	Sta 2131+10 - 2132+18	Two-way Amber @ 80' o.c.
4	TOTAL	

78300100 PAVEMENT MARKING REMOVAL

SQ FT	LOCATION	
	IL 72	
55.0	Sta 2106+35 - 2112+95	Stage 1 - Centerline (Skip Dash)
111.7	Sta 2108+00 - 2111+35	Stage 1 - EOP (LT)
101.7	Sta 2108+15 - 2111+20	Stage 2 - EOP (RT)
463.3	Sta 2128+25 - 2135+20	Stage 3 - Centerline (Double Yellow)
141.7	Sta 2129+50 - 2133+75	Stage 4 - EOP (LT)
120.0	Sta 2129+85 - 2133+45	Stage 4 - EOP (RT)
993.4	TOTAL	

A2006714 TREE, QUERCUS MACROCARPA (BUR OAK), 1-3/4" CALIPER, BALLED AND BURLAPPED

EACH	LOCATION	
	IL 72	
25	As directed by the Landscape Architect	
25	TOTAL	

C2001736 SHRUB, CORNUS SERICEA CARDINAL (CARDINAL REDOSIER DOGWOOD), 3' HEIGHT, BALLED AND BURLAPPED

EACH	LOCATION	
	IL 72	
34	As directed by the Landscape Architect	
34	TOTAL	

X0323988 TEMPORARY SOIL RETENTION SYSTEM

SQ FT	LOCATION	
	IL 72	
360	Sta 2109+64.78	
454	Sta 2131+60	
814	TOTAL	

Z0005400 BREAKER-RUN CRUSHED STONE

TON	LOCATION	
	IL 72	
159.4	Sta 2109+64.78	(113' X 18.58' X 1.0') / 27 X 2.05
169.0	Sta 2131+60	(119.8' X 18.58' X 1.0') / 27 X 2.05
328.4	TOTAL	

Z0020900 ESTABLISHING AND REFERENCING LAND SECTION MARKERS

EACH	LOCATION	
	IL 72	
1	Sta 2107+43.78	4.76' RT
1	Sta 2133+72.74	22.5' LT
2	TOTAL	

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SCALE: VERT. HORIZ.
DATE
DRAWN BY
CHECKED BY

PLOT DATE = Mon Jul 30 11:21:47 2007
FILE NAME = e:\pr-ojects\p210825\d08085sp1.dgn
PLOT SCALE = 50.0000 '/ IN.
USER NAME = dossdd

CONTRACT NO. 64B43

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
553	120T-2	OGLE	59	17
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SCHEDULE OF QUANTITIES

Z0023500 FILLING EXISTING CULVERTS

CU YD	LOCATION
	IL 72
21.3	Sta 2109+64.78 (Fill Temp Pipe from Stage 1)
23.1	Sta 2131+60 (Fill Temp Pipe from Stage 3)
44.4	TOTAL

Z0029001 GRATED CULVERT EXTENSION, NO. 1

EACH	LOCATION
	IL 72
2	Sta 2109+51 27' RT
2	Sta 2109+79 27' LT
4	TOTAL

Z0029002 GRATED CULVERT EXTENSION, NO. 2

EACH	LOCATION
	IL 72
2	Sta 2131+94 34' RT
2	TOTAL

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

EACH	LOCATION
	IL 72
1	Sta 2107+84 - 2108+09 Stage 1
1	Sta 2111+21 - 2111+46 Stage 1
1	Sta 2129+39 - 2129+64 Stage 3
1	Sta 2133+16 - 2133+42 Stage 3
4	TOTAL

Z0030350 IMPACT ATTENUATORS, RELOCATE (NON-REDIRECTIVE, TEST LEVEL 3

EACH	LOCATION
	IL 72
1	Sta 2107+84 - 2108+09 Stage 2
1	Sta 2111+21 - 2111+46 Stage 2
1	Sta 2129+59 - 2129+84 Stage 4
1	Sta 2133+36 - 2133+61 Stage 4
4	TOTAL

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USER NAME = dosadd

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SCALE: VERT. HORIZ.
DATE

DRAWN BY
CHECKED BY

CONTRACT NO. 64B43

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
553	120I-2	OGLE	59	18
STA. _____	TO STA. _____			
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

SN 071-1160

RED BIRD PARTNERS, LP

RED BIRD PARTNERS, LP

PROPOSED STRUCTURE (SN 071-1160)
STA 2109+64.78
96' PRECAST CONCRETE BOX CULVERT
DOUBLE CELL 6'X5', 27° SKEW
2 EA. GRATED CULVERT EXTENSION NO. 1
U/S ℄ ELEV = 798.50
D/S ℄ ELEV = 797.60

STONE RIPRAP, CLASS A4
W/ FILTER FABRIC (24'X22')

2109+50
100' LT

2109+50
90' LT

2110+50
100' LT

2110+50
90' LT

TEMP EASE

PROPOSED R.O.W.

2109+00
55' LT

2108+00
40' LT

IMPROVEMENT BEGINS
STA 2106+80

IMPROVEMENT ENDS
STA 2112+20

2111+00
50' LT

2112+00
40' LT

REMOVE EXISTING CULVERT
(SN 071-1141) STA 2109+85
6X5.5 RC BOX CULVERT
41'-6" LONG

EXISTING R.O.W.

CONST LIMITS

EXISTING R.O.W.

IL RTE 72

13'

13'

2107 2108 2109 2110+00 2111 2112 21

6'x5.5' BOX

IL RTE 72

EXISTING R.O.W.

EXISTING R.O.W.

CONST LIMITS

2107+50
40' RT

2108+00
55' RT

PROPOSED
7' BIT SHOULDER

PROPOSED R.O.W.

TEMP EASE

2109+00
70' RT

2109+00
80' RT

2109+75
70' RT

2109+75
80' RT

2110+00
70' RT

2111+00
50' RT

2112+00
40' RT

GUARDRAIL REMOVAL

STA 2109+33 TO STA 2110+09
CLASS C PATCH
TYPE4, 12"

X = TREE REMOVAL

0 50' 100'

HAROLD VELINE

PLOT DATE = Mon Jul 30 11:45:20 2007
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PLOT SCALE = 20.0000 ' / IN.
USER NAME = dosadd

IL RTE 72

CONTRACT NO. 64B43

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
553	120I-2	OGLE	59	19
STA. _____	TO STA. _____			
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

PATRICIA A. BOSETTI

SN 071-1161

PROPOSED STRUCTURE (SN 071-1161)
STA 2131+60
144' PRECAST CONCRETE BOX CULVERT
DOUBLE CELL 6'X3', 45° SKEW
1 EA. GRATED CULVERT EXTENSION NO. 2
1 EA. GRATED DROP BOX NO. 1
U/S ℄ ELEV = 789.85
D/S ℄ ELEV = 788.80

REMOVE EXISTING CULVERT
(SN 071-1140) STA 2131+98.8
6X4 RC BOX CULVERT WITH 2-36"
CMP INSIDE
41'-6" LONG

STONE RIPRAP, CLASS A4
W/ FILTER FABRIC (24'X28')

IMPROVEMENT BEGINS
STA 2128+80

2130+00
40' LT

2131+00
50' LT

2132+00
95' LT

2132+00
85' LT

2132+75
95' LT

2132+75
85' LT

TEMP EASE

PROPOSED R.O.W.

CONST LIMITS

2133+40.01
40' LT

2133+00
45' LT

EXISTING R.O.W.

CRILL ROAD

101

STA 2133+71.66 (IL RTE 72)=
STA 100+00 (CRILL RD)

EXISTING R.O.W.

13'
13'

IL RTE 72

2129 | 2130+00 | 2131 | 2132 | 2133 | 2134 | IL RTE 72 | 2135+00

6'x4' Box

100+00

15" CMP

CONST LIMITS

EXISTING R.O.W.

EXISTING R.O.W.

2130+00
40' RT

PROPOSED
7' BIT SHOULDER

2130+75
65' RT

2130+75
75' RT

PROPOSED R.O.W.

TEMP EASE

2132+00
65' RT

2132+00
75' RT

GUARDRAIL REMOVAL

STA 2131+10 TO STA 2132+18
CLASS C PATCH
TYPE4, 12"

2133+00
40' RT

IMPROVEMENT ENDS
STA 2134+20

HAROLD VELINE

BYRON BANK

X = TREE REMOVAL

0 50' 100'

PLOT DATE = Mon Jul 30 11:46:53 2007
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PLOT SCALE = 20.0000 ' / IN.
USER NAME = dossdd

IL RTE 72

CONTRACT NO. 64B43

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
553	120I-2	OGLE	59	20
STA. _____	TO STA. _____			
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

PLAN
SURVEYED
PLOTTED
CHECKED
NOTE BOOK
NO.
BY
DATE

PROFILE
SURVEYED
PLOTTED
CHECKED
NOTE BOOK
NO.
BY
DATE

PLOT DATE = Wed Jul 25 09:12:53 2007
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PLOT SCALE = 20.0000 ' / IN.
USER NAME = dossdd

SN 071-1160

825 820 815 810 805 800 795 790 785

TRENCH BACKFILL
RIGHTSIDE DITCH PROFILE
℄
R ELEV = 798.06
-4.80%
-2.95%
+2.39%
+2.87%
+3.00%
+3.20%
864.68
+75.00 EL. 800.40
+39.44 EL. 798.50
+00.00 EL. 799.95
+75.00 EL. 802.10
+00.00 EL. 802.85
805.65

809.06 807.97 807.14 806.46 805.95 805.74 805.77 806.00 806.38 806.89 807.42 807.93 808.47

2107+00 2107+50 2108+00 2108+50 2109+00 2109+50 2110+00 2110+50 2111+00 2111+50 2112+00 2112+50 2113+00

815 810 805 800 795 790 785 780 775

SN 071-1161

LEFTSIDE DITCH PROFILE
TRENCH BACKFILL
RIGHTSIDE DITCH PROFILE
℄
R ELEV = 789.40
-3.90%
1.14%
1.14%
-3.90%
796.00
791.96
788.85
793.10

801.84 800.65 799.58 798.33 797.30 796.38 795.90 795.70 795.74 796.13 796.61 797.24 797.83

2129+00 2129+50 2130+00 2130+50 2131+00 2131+50 2132+00 2132+50 2133+00 2133+50 2134+00 2134+50 2135+00

IL RTE 72

CONTRACT NO. 64B43

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
553	120T-2	OGLE	59	21
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

STAGE 1

RED BIRD PARTNERS, LP

RED BIRD PARTNERS, LP

PROPOSED STRUCTURE (SN 071-1160)
STA 2109+64.78
96' PRECAST CONCRETE BOX CULVERT
DOUBLE CELL 6'X5', 27° SKEW
2 EA. GRATED CULVERT EXTENSION NO. 1
U/S ℄ ELEV = 798.50
D/S ℄ ELEV = 797.60

TEMP EASE
PROPOSED R.O.W.
HOT-MIX ASPHALT SHOULDERS, 8"
REMOVE EXISTING CULVERT (SN 071-1141) STA 2109+85
6X5.5 RC BOX CULVERT
41'-6" LONG
WHITE PAVEMENT MARKING TAPE, TYPE III 24"
EXISTING R.O.W.
CONST LIMITS
EXISTING R.O.W.
2107+70 19.7' LT
2109+00.52 19.8' LT
2109+40.33 6.8' LT
2109+90.33 6.8' LT
2110+30.51 19.9' LT
2111+30 19.7' LT
STA 2107+10
1' STUB
TAPER 1:15
TAPER 1:15
1' STUB
STA 2112+50
2106+80 12.6' LT
2108+14.31 12.7' LT
2108+10.32 4' RT
2111+20.33 4' RT
2112+20 12.5' LT
IL RTE 72
2107
2108
2109
2110+00
2111
2112
IL RTE 72
2106+51.53 12.9' RT
TAPER 1:12
TAPER 1:12
2109+00 7.8' LT
2110+30 7.9' LT
TAPER 1:12
TAPER 1:12
STA 2112+92
STA 2106+33
STA 2106+80
STA 2112+15
2112+80.03 12.9' RT
EXISTING R.O.W.
EXISTING R.O.W.
CONST LIMITS
IMPACT ATTENUATORS
PROPOSED R.O.W.
WHITE PAVEMENT MARKING TAPE, TYPE III 4"
TEMP EASE
TEMPORARY CONCRETE BARRIER
CLASS C PATCH, 12"
GUARDRAIL REMOVAL
60' - PIPE CULVERT, CL D, T2, 42"
℄ ELEV = 799.59 - 797.46
END SECTION 42" - 1 EACH

STAGE 1

1. CONSTRUCT THE HOT-MIX ASPHALT SHOULDERS FROM STA 2106+80 LT TO STA 2112+20 LT.
2. INSTALL TRAFFIC CONTROL AND TEMPORARY TRAFFIC SIGNALS ACCORDING TO STANDARD 701321 AND STAGE 1 MAINTENANCE OF TRAFFIC.
3. REMOVE PAVEMENT AND SHOULDER FROM STA 2109+33 RT TO 2110+09 RT. ALSO REMOVE EXISTING GUARDRAIL RT.
4. PLACE TEMPORARY SOIL RETENTION SYSTEM.
5. REMOVE SOUTH HALF OF EXISTING CULVERT.
6. PLACE 42" PIPE CULVERT AND END SECTION.
7. PLACE PRECAST BOX CULVERTS, END SECTIONS, AND BACKFILL.
8. CONSTRUCT CLASS C PATCH FROM STA 2109+33 RT TO STA 2110+09 RT.
9. CONSTRUCT HOT-MIX ASPHALT SHOULDERS 5 1/2" FROM STA 2106+80 RT TO STA 2112+20 RT.
10. PLACE HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 ON SHOULDERS AND PATCH.

X = TREE REMOVAL

0 50' 100'

HAROLD VELINE

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PLOT SCALE = 20.0000 ' / IN.
USER NAME = dosadd

STAGE 1 DETAIL

CONTRACT NO. 64B43

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
553	120T-2	OGLE	59	22
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

STAGE 2

RED BIRD PARTNERS, LP

RED BIRD PARTNERS, LP

PROPOSED STRUCTURE (SN 071-1160)
STA 2109+64.78
96' PRECAST CONCRETE BOX CULVERT
DOUBLE CELL 6'X5', 27° SKEW
2 EA. GRATED CULVERT EXTENSION NO. 1
U/S ℄ ELEV = 798.50
D/S ℄ ELEV = 797.60

TEMP EASE
PROPOSED R.O.W.
CLASS C PATCH, 12"
GUARDRAIL REMOVAL
TEMPORARY CONCRETE BARRIER
IMPACT ATTENUATORS
WHITE PAVEMENT MARKING TAPE, TYPE III 24"
REMOVE EXISTING CULVERT (SN 071-1141) STA 2109+85
6X5.5 RC BOX CULVERT
41'-6" LONG
EXISTING R.O.W.
CONST LIMITS
2106+58.55
12.5' LT
STA 2107+10
TAPER 1:12
2109+00
7.6' RT
2110+30
7.6' RT
STA 2112+50
IL RTE 72
2106+80
13.0' RT
1' STUB
2108+16
4' LT
2108+20
4' LT
2112+20
12.8' RT
2112+70.08
12.4' LT
STA 2112+92
STA 2106+33
STA 2106+80
TAPER 1:15
2107+70
19.7' RT
2108+16.63
12.7' RT
2109+00
19.7' RT
2109+43.23
6.6' RT
2109+93.23
6.6' RT
2110+30.50
19.6' RT
2111+13.50
12.7' RT
2111+30
19.7' RT
STA 2112+15
HOT-MIX ASPHALT SHOULDERS, 8"
PROPOSED R.O.W.
TEMP EASE
WHITE PAVEMENT MARKING TAPE, TYPE III 4"
PIPE CULVERT TO BE FILLED

STAGE 2

1. RELOCATE TRAFFIC CONTROL AND TEMPORARY CONCRETE BARRIER AS SHOWN ON STAGE 2 MAINTENANCE OF TRAFFIC DETAILS.
2. REMOVE PAVEMENT AND SHOULDER FROM STA 2109+33 LT TO STA 2110+09 LT. ALSO REMOVE EXISTING GUARDRAIL LT.
3. PLACE TEMPORARY SOIL RETENTION SYSTEM.
4. PLACE PRECAST BOX CULVERTS AND END SECTIONS.
5. REMOVE REMAINING NORTH HALF OF THE EXISTING CULVERT.
6. FILL 42" PIPE CULVERT FROM STAGE 1.
7. CONSTRUCT THE REMAINDER OF BACKFILL, CLASS C PATCH, AND HOT-MIX ASPHALT SURFACE.
8. OPEN ROAD TO TWO-WAY TRAFFIC.

X = TREE REMOVAL

0 50' 100'

HAROLD VELINE

PLOT DATE = Tue Aug 07 08:21:49 2007
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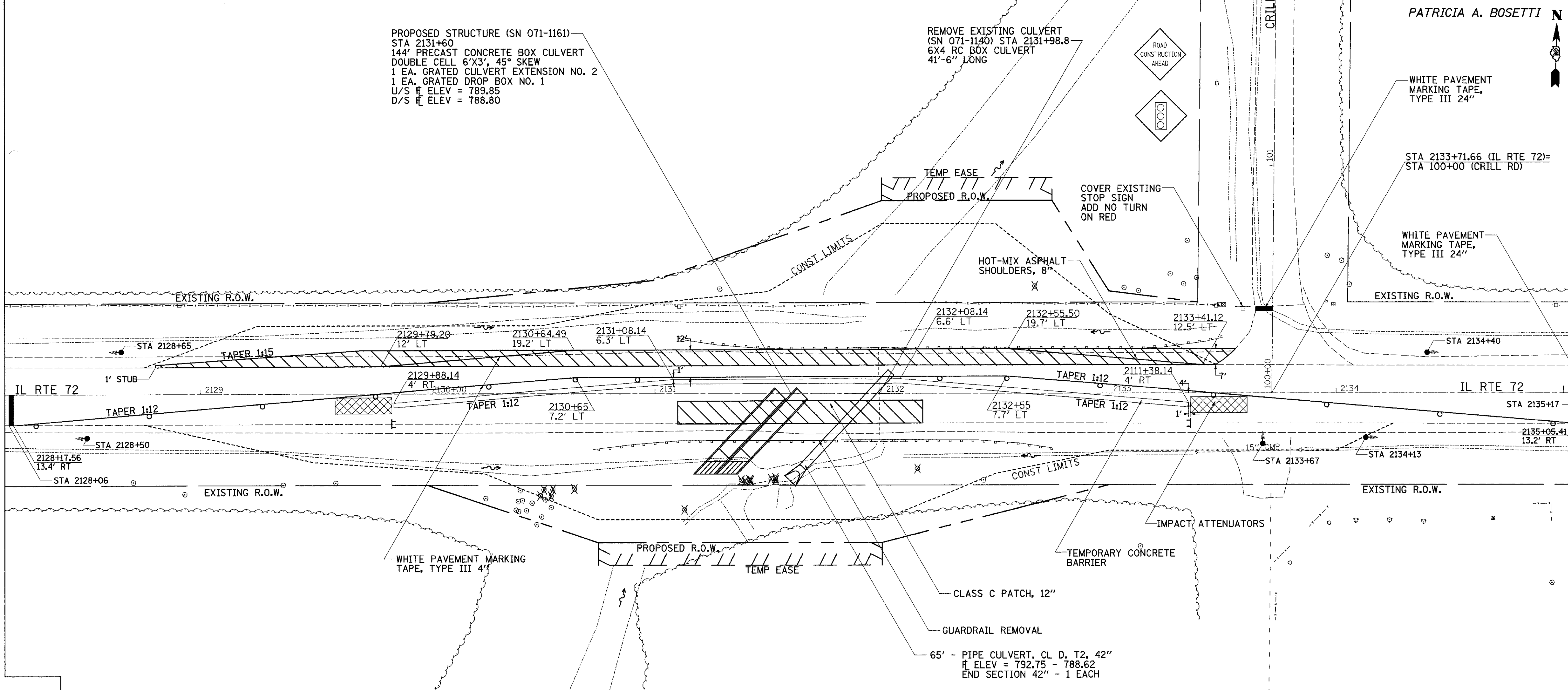
PLOT SCALE = 20.0000 ' / IN.
USER NAME = donsod

STAGE 2 DETAIL

CONTRACT NO. 64B43

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
553	120T-2	OGLE	59	23
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

STAGE 3



PATRICIA A. BOSETTI
PROPOSED STRUCTURE (SN 071-1161) STA 2131+60 144' PRECAST CONCRETE BOX CULVERT DOUBLE CELL 6'X3', 45° SKEW 1 EA. GRATED CULVERT EXTENSION NO. 2 1 EA. GRATED DROP BOX NO. 1 U/S ℄ ELEV = 789.85 D/S ℄ ELEV = 788.80
REMOVE EXISTING CULVERT (SN 071-1140) STA 2131+98.8 6X4 RC BOX CULVERT 41'-6" LONG
ROAD CONSTRUCTION AHEAD
CRILL ROAD
PATRICIA A. BOSETTI
N
WHITE PAVEMENT MARKING TAPE, TYPE III 24"
STA 2133+71.66 (IL RTE 72)= STA 100+00 (CRILL RD)
TEMP EASE
PROPOSED R.O.W.
COVER EXISTING STOP SIGN ADD NO TURN ON RED
WHITE PAVEMENT MARKING TAPE, TYPE III 24"
CONST LIMITS
HOT-MIX ASPHALT SHOULDERS, 8"
EXISTING R.O.W.
2132+08.14 6.6' LT
2132+55.50 19.7' LT
2133+41.12 12.5' LT
2129+79.20 12' LT
2130+64.49 19.2' LT
2131+08.14 6.3' LT
STA 2128+65
TAPER 1:15
STA 2134+40
1' STUB
2129+88.14 4' RT
TAPER 1:12
2111+38.14 4' RT
IL RTE 72
TAPER 1:12
TAPER 1:12
2130+65 7.2' LT
2132+55 7.7' LT
TAPER 1:12
STA 2135+17
2135+05.41 13.2' RT
STA 2128+50
2128+17.56 13.4' RT
STA 2128+06
STA 2133+67
STA 2134+13
CONST LIMITS
EXISTING R.O.W.
IMPACT ATTENUATORS
TEMPORARY CONCRETE BARRIER
WHITE PAVEMENT MARKING TAPE, TYPE III 4"
PROPOSED R.O.W.
TEMP EASE
CLASS C PATCH, 12"
GUARDRAIL REMOVAL
65' - PIPE CULVERT, CL D, T2, 42" ℄ ELEV = 792.75 - 788.62 END SECTION 42" - 1 EACH

STAGE 3

1. CONSTRUCT THE HOT-MIX ASPHALT SHOULDERS FROM STA 2128+80 LT TO STA 2134+20 LT.
2. INSTALL TRAFIC CONTROL AND TEMPORARY TRAFFIC SIGNALS ACCORDING TO STANDARD 701321 AND STAGE 3 MAINTENANCE OF TRAFFIC.
3. REMOVE PAVEMENT AND SHOULDER FROM STA 2131+10 RT TO STA 2132+18 RT. ALSO REMOVE EXISTING GUARDRAIL RT.
4. PLACE TEMPORARY SOIL RETENTION SYSTEM.
5. REMOVE SOUTH HALF OF EXISTING CULVERT.
6. PLACE 42" PIPE CULVERT AND END SECTION.
7. PLACE PRECAST BOX CULVERTS, END SECTIONS, AND BACKFILL.
8. CONSTRUCT CLASS C PATCH FROM STA 2131+10 RT TO STA 2132+18 RT.
9. CONSTRUCT HOT-MIX ASPHALT SHOULDERS 5 1/2" FROM STA 2128+80 RT TO STA 2134+20 RT.
10. PLACE HOT-MIX ASPHALT SURFACE COURSE, MIC "C", N50 ON SHOULDERS AND PATCH.

BYRON BANK

X = TREE REMOVAL

0 50' 100'

HAROLD VELINE

STAGE 3 DETAIL

CONTRACT NO. 64B43

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
553	120T-2	OGLE	59	24
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

PATRICIA A. BOSETTI

STAGE 4

PROPOSED STRUCTURE (SN 071-1161)
STA 2131+60
144' PRECAST CONCRETE BOX CULVERT
DOUBLE CELL 6'X3', 45° SKEW
1 EA. GRATED CULVERT EXTENSION NO. 2
1 EA. GRATED DROP BOX NO. 1
U/S FL ELEV = 789.85
D/S FL ELEV = 788.80

REMOVE EXISTING CULVERT
(SN 071-1140) STA 2131+98.8
6X4 RC BOX CULVERT
41'-6" LONG

ROAD CONSTRUCTION AHEAD

CRILL ROAD

PATRICIA A. BOSETTI

N

WHITE PAVEMENT MARKING TAPE, TYPE III 24"

STA 2133+71.66 (IL RTE 72)=
STA 100+00 (CRILL RD)

WHITE PAVEMENT MARKING TAPE, TYPE III 24"

TEMP EASE

PROPOSED R.O.W.

GUARDRAIL REMOVAL

CLASS C PATCH, 12"

CONST. LIMITS

COVER EXISTING STOP SIGN ADD NO TURN ON RED

IMPACT ATTENUATORS

TEMPORARY CONCRETE BARRIER

EXISTING R.O.W.

100+39.47
14.0' RT

EXISTING R.O.W.

100+38.05
7.4' LT

2128+24.37
12' LT

STA 2128+65

TAPER 1:12

IL RTE 72

2129

2130+00

TAPER 1:12

2130+65
8.1' RT

2131

2132

2132+55
7.9' RT

TAPER 1:12

2133

TAPER 1:12

2133+10.13
4' LT

4'

2133+26.47
7.9' RT

100+00

2134

STA 2134+40

2134+95.94
12.2' LT

TAPER 1:12

2134+32.34
6.9' LT

IL RTE 72

STA 2135+17

1' STUB

2129+60.13
4' LT

1'

1' STUB

TAPER 1:15

STA 2128+32

STA 2128+06

TAPER 1:15

2130+64.51
20.1' RT

2130+80.13
7' RT

12'

2131+80.13
6.9' RT

2132+55.50
19.91' RT

CONST. LIMITS

2133+36.27
13.1' RT

STA 2133+67

STA 2134+13

2129+82.24
13.2' RT

EXISTING R.O.W.

EXISTING R.O.W.

HOT-MIX ASPHALT SHOULDERS, 8"

PROPOSED R.O.W.

TEMP EASE

WHITE PAVEMENT MARKING TAPE, TYPE III 4"

PIPE CULVERT TO BE FILLED

STAGE 4

1. RELOCATE TRAFFIC CONTROL AND TEMPORARY CONCRETE BARRIER AS SHOWN ON STAGE 4 MAINTENANCE OF TRAFFIC DETAILS.
2. REMOVE PAVEMENT AND SHOULDER FROM STA 2131+10 LT TO STA 2132+18 LT. ALSO REMOVE EXISTING GUARDRAIL LT.
3. PLACE TEMPORARY SOIL RETENTION SYSTEM.
4. PLACE PRECAST BOX CULVERTS AND END SECTIONS.
5. REMOVE REMAINING NORTH HALF OF EXISTING CULVERT.
6. FILL AND CAP 42" PIPE CULVERT FROM STAGE 3.
7. CONSTRUCT THE REMAINDER OF BACKFILL, CLASS C PATCH, AND HOT-MIX ASPHALT SURFACE.
8. OPEN ROAD TO TWO-WAY TRAFFIC.

BYRON BANK

X = TREE REMOVAL

0 50' 100'

HAROLD VELINE

PLOT DATE = Tue Aug 07 09:23:01 2007
FILE NAME = c:\projects\c216685\d16685-tg-dgn
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USER NAME = dcassid

STAGE 4 DETAIL

CONTRACT NO. 64B43

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
553	120I-2	OGLE	59	25
STA. _____	TO STA. _____			
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

SN 071-1160

RED BIRD PARTNERS, LP

RED BIRD PARTNERS, LP

PROPOSED STRUCTURE (SN 071-1160)
STA 2109+64.78
96' PRECAST CONCRETE BOX CULVERT
DOUBLE CELL 6'X5', 27° SKEW
2 EA. GRATED CULVERT EXTENSION NO. 1
U/S ℄ ELEV = 798.50
D/S ℄ ELEV = 797.60

STONE RIPRAP, CLASS A4
W/ FILTER FABRIC (24'X20')

IMPROVEMENT BEGINS
STA 2107+50

IMPROVEMENT ENDS
STA 2111+50

2107+50 40' RT
2108+00 40' LT
2108+00 55' RT
2109+00 55' LT
2109+00 70' RT
2109+00 80' RT
2109+50 100' LT
2109+50 90' LT
2109+75 70' RT
2109+75 80' RT
2110+00 70' RT
2110+50 100' LT
2110+50 90' LT
2111+00 50' RT
2111+00 50' LT
2112+00 40' RT
2112+00 40' LT

TEMP EASE
PROPOSED R.O.W.
EXISTING R.O.W.
CONST LIMITS

IL RTE 72
13'
13'
2107
2108
2109
2110+00
2111
2112
6'X5.5' Box

N

INLET & PIPE PROTECTION
EROSION CONTROL BLANKET
TEMPORARY DITCH CHECKS
STONE RIPRAP W/FILTER FABRIC
PERIMETER EROSION BARRIER
X = TREE REMOVAL

0 50' 100'

HAROLD VELINE

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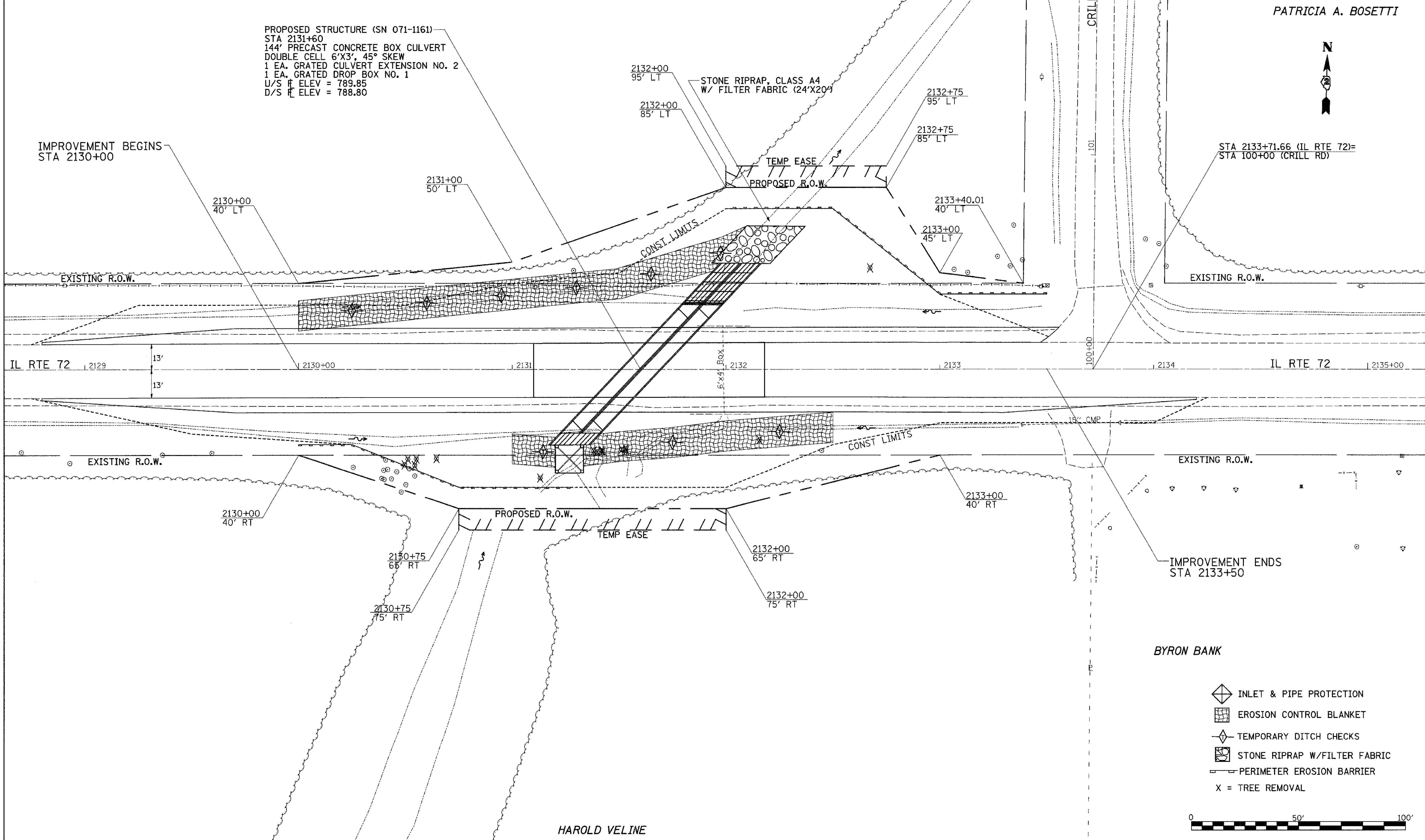
USER NAME = dosadd

EROSION CONTROL DETAILS

CONTRACT NO. 64B43

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
553	120T-2	OGLE	59	26
STA. ________ TO STA. ________				
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

SN 071-1161



PATRICIA A. BOSETTI

EROSION CONTROL DETAILS

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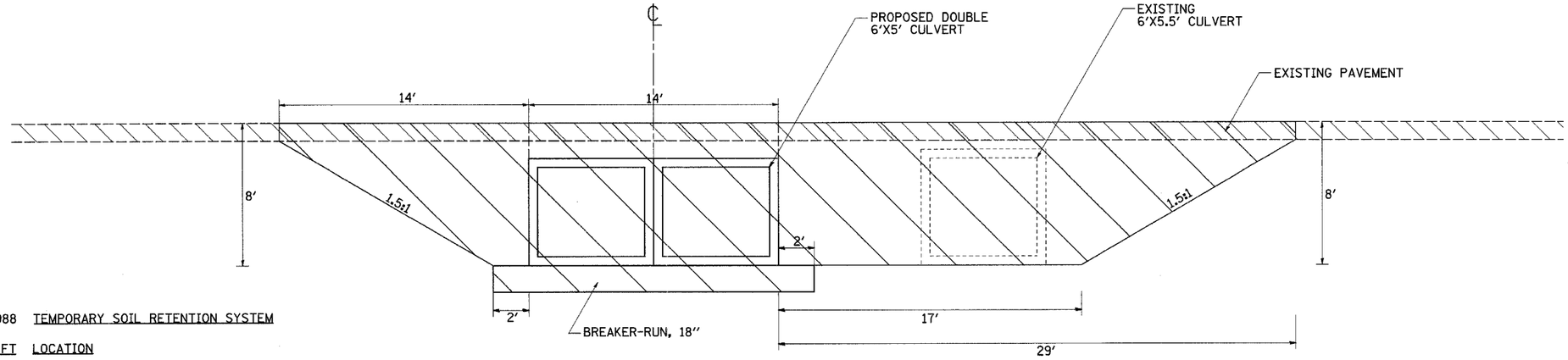
CONTRACT NO. 64B43

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
553	12QI-2	OGLE	59	27
STA. _____	TO STA. _____			
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

TEMPORARY SOIL RETENTION SYSTEM DETAIL

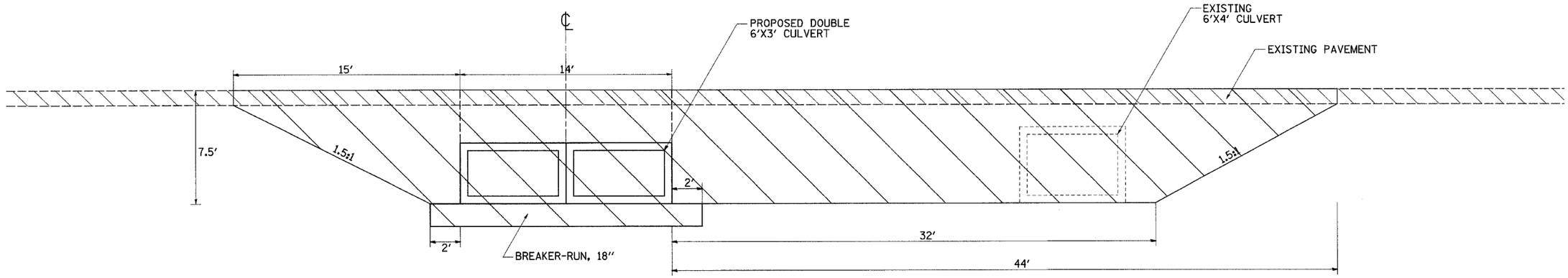
2109+64.78



X0323988 TEMPORARY SOIL RETENTION SYSTEM

SQ FT	LOCATION
	IL 72
360	STA 2109+64.78
454	STA 2131+60.00
814	TOTAL

STA 2131+60



TEMPORARY SOIL RETENTION SYSTEM AREA

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SCALE: VERT. HORIZ.
DATE
DRAWN BY
CHECKED BY

PLOT DATE = Wed Jul 25 09:26:44 2007
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USER NAME = dosedd

TEMPORARY SOIL RETENTION SYSTEM DETAIL

CONTRACT NO. 64B43

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
553	120T-2	OGLE	59	28
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

BORING LOGS

Illinois Department of Transportation
Division of Highways
IDOT

SOIL BORING LOG

Page 1 of 1

Date 11/2/05

ROUTE FAP 553 DESCRIPTION P92-106-05 Culvert on IL 72 over ditch, 2.5 m. E. of Monroe Center LOGGED BY W. Garza

SECTION 120 T-2 LOCATION Monroe Twp. - 24NW, SEC. , TWP. 42N, RNG. 2E

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

STRUCT. NO.
Station 868+29

BORING NO. B-1a
Station 868+42
Offset 14.00ft Lt CL
Ground Surface Elev. 99.4 ft

Surface Water Elev. ft
Stream Bed Elev. 93.0 ft

Groundwater Elev.:
First Encounter ft
Upon Completion ft
After Hrs. ft

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
STIFF brown SILTY CLAY LOAM			1.1 P	10
97.40				
MEDIUM dark brown LOAM		2 2 5	0.8 P	33
95.90				
MEDIUM brown SILTY LOAM	-5	2 4 4	0.8 P	31
93.40				
STIFF brown SILTY CLAY LOAM		2 3 5	1.8 P	25
90.40				
MEDIUM yellow tan weathered LIMESTONE	-10	2 2 10		
88.40				
VERY DENSE yellow tan weathered LIMESTONE		100/11"		
85.90				
VERY DENSE tan weathered LIMESTONE	-15	100/4"		
83.90 Auger Refusal at 15.5'				
End of Boring				
	-20			

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

BBS, from 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
IDOT

SOIL BORING LOG

Page 1 of 1

Date 11/2/05

ROUTE FAP 553 DESCRIPTION P92-106-05 Culvert on IL 72 over ditch, 2.5 m. E. of Monroe Center LOGGED BY W. Garza

SECTION 120 T-2 LOCATION Monroe Twp. - 24NW, SEC. , TWP. 42N, RNG. 2E

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

STRUCT. NO.
Station 868+29

BORING NO. B-2a
Station 868+12
Offset 14.00ft Rt CL
Ground Surface Elev. 99.4 ft

Surface Water Elev. Dry ft
Stream Bed Elev. 93.0 ft

Groundwater Elev.:
First Encounter ft
Upon Completion ft
After Hrs. ft

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
STIFF brown SILTY CLAY LOAM			1.1 P	20
97.40				
VERY STIFF brown LOAM		4 17 5	2.4 P	20
95.90				
MEDIUM dark brown LOAM	-5	2 2 4	0.6	35
93.40				
MEDIUM dark brown LOAM		3 3 4	0.9 B	30
90.40				
MEDIUM yellow tan weathered LIMESTONE	-10	8 10 15		
88.40				
VERY DENSE yellow tan weathered LIMESTONE		100/10"		
85.90				
VERY DENSE tan weathered LIMESTONE	-15	100/2"		
82.90 Auger Refusal at 16.5'				
End of Boring				
	-20			

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

BBS, from 137 (Rev. 8-99)

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SCALE: VERT. HORIZ.
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BORING LOGS

PLOT DATE = Wed Jul 25 09:27:38 2007
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USER NAME = dosadd

CONTRACT NO. 64B43

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
553	120T-2	OGLE	59	29
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

BORING LOGS

Illinois Department of Transportation
Division of Highways
IDOT

SOIL BORING LOG

Page 1 of 1

Date 11/3/05

ROUTE FAP 553 DESCRIPTION P92-106-05 Culvert on IL 72 over ditch, 2.0 m. E. of Monroe Center LOGGED BY W. Garza

SECTION 120 T-2 LOCATION Monroe Twp. - 23NE, SEC. , TWP. 42N, RNG. 2E

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

STRUCT. NO.
Station 846+11

BORING NO. B-1b
Station 846+00
Offset 14.00ft Lt CL
Ground Surface Elev. 99.5 ft

Surface Water Elev. ft
Stream Bed Elev. 91.6 ft

Groundwater Elev.:
First Encounter 72.5 ft ▼
Upon Completion Dry ft
After Hrs. ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	Description
				STIFF brown SILTY CLAY LOAM
	3	1.1	23	
	3	P		
97.50	5			
				STIFF brown SILTY CLAY LOAM
	3	1.6	26	
96.00	5	P		
-5				
	2			STIFF tan brown LOAM
	3	1.1	31	
93.50	4	P		
				STIFF dark brown LOAM
	1			
	2	1.4	30	
90.50	3	B		
-10				MEDIUM tan dirty SAND
	6			
	9			
88.50	7			
				MEDIUM tan dirty SAND & GRAVEL
	12			
	14			
86.00	15			
-15				MEDIUM tan dirty SAND & GRAVEL
	6			
	8			
83.50	9			
				DENSE tan dry dirty SAND & GRAVEL
	9			
	14			
80.50	18			
-20				MEDIUM gray TILL with GRAVEL

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	Description
	10	4.5	7	MEDIUM gray TILL with GRAVEL (continued)
	12	P		
78.00	15			
	13			MEDIUM gray SANDY TILL
	13			
76.00	16			
-25				
	22			DENSE gray SANDY TILL with GRAVEL
	16			
73.50	18			
▼				
	10			VERY DENSE tan fine SAND
	31			
71.00	47			
				End of Boring
-30				
-35				
-40				

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

BBS, from 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
IDOT

SOIL BORING LOG

Page 1 of 1

Date 11/3/05

ROUTE FAP 553 DESCRIPTION P92-106-05 Culvert on IL 72 over ditch, 2.0 m. E. of Monroe Center LOGGED BY W. Garza

SECTION 120 T-2 LOCATION Monroe Twp. - 23NE, SEC. , TWP. 42N, RNG. 2E

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

STRUCT. NO.
Station 846+11

BORING NO. B-2b
Station 846+23
Offset 14.00ft Rt CL
Ground Surface Elev. 99.6 ft

Surface Water Elev. Dry ft
Stream Bed Elev. 91.6 ft

Groundwater Elev.:
First Encounter 65.1 ft ▼
Upon Completion Dry ft
After Hrs. ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	Description
				STIFF brown SILTY CLAY LOAM
		1.0	22	
		P		
97.60				
	10			STIFF brown LOAM
	8	1.1	28	
96.10	10	P		
-5				
	2			MEDIUM brown LOAM
	2	0.8	26	
93.60	4	B		
	1			SOFT brown SANDY LOAM
	2	0.5	22	
91.10	3	P		
-10	8			VERY STIFF tan SANDY LOAM
	3	2.0	10	
88.10	6	P		
	9			MEDIUM yellow tan dirty SAND & GRAVEL
	8			
86.10	7			
-15	4			LOOSE/MEDIUM yellow tan dirty SAND & GRAVEL
	4			
83.60	6			
	5			MEDIUM tan dirty SAND & GRAVEL, moist
	9			
81.10	11			
-20				

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	Description
	7			MEDIUM tan dirty SAND & GRAVEL (continued)
78.60	15			
	14			
	7			MEDIUM tan dirty SAND & GRAVEL
	13			
76.10	15			
-25				
	9			MEDIUM tan dirty SAND & GRAVEL
	10			
73.10	11			
	9			MEDIUM gray SANDY TILL
	9	2.5	7	
71.10	12	P		
-30	5			STIFF gray SANDY TILL
	7	1.9	7	
68.60	9	S		
	6			VERY STIFF gray SANDY TILL
	8	2.3	8	
65.60	13	B		
▼				
-35	15			DENSE tan fine SAND
	23			
63.60	24			
				End of Boring
-40				

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

BBS, from 137 (Rev. 8-99)

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SCALE: VERT. HORIZ.
DATE

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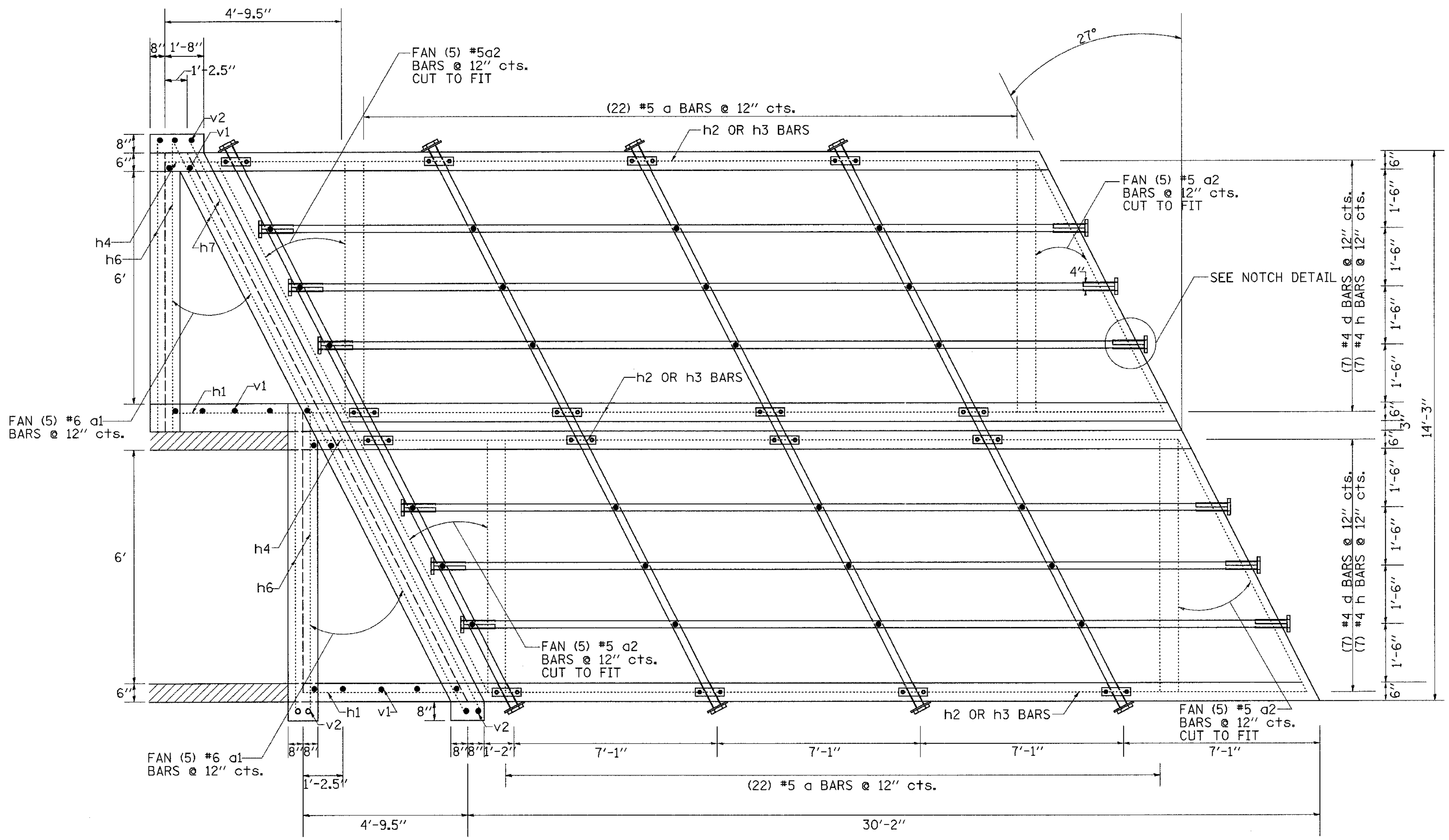
USER NAME = dossdd

BORING LOGS

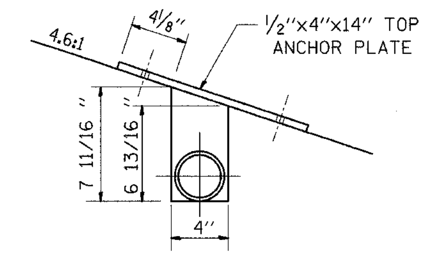
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
553	120T-2	OGLE	59	30
STA. ________	TO STA. ________			
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

GRATED CULVERT EXTENSION, NO. 1

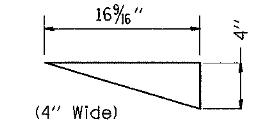
STA 2109+51 RT & 2109+79 LT



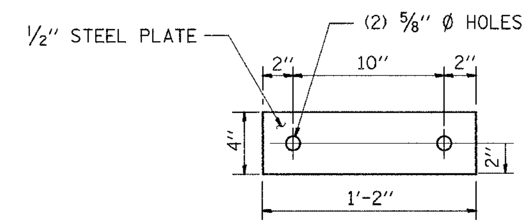
PLAN VIEW



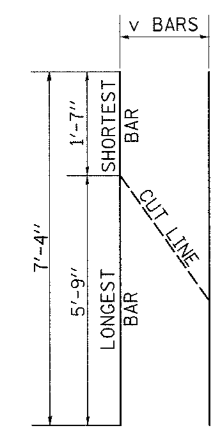
DETAIL "A"



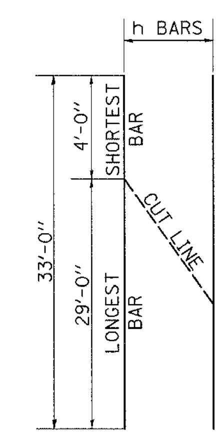
NOTCH DETAIL



TOP ANCHOR PLATE



v BAR CUT DIAGRAM



h3 BAR CUT DIAGRAM

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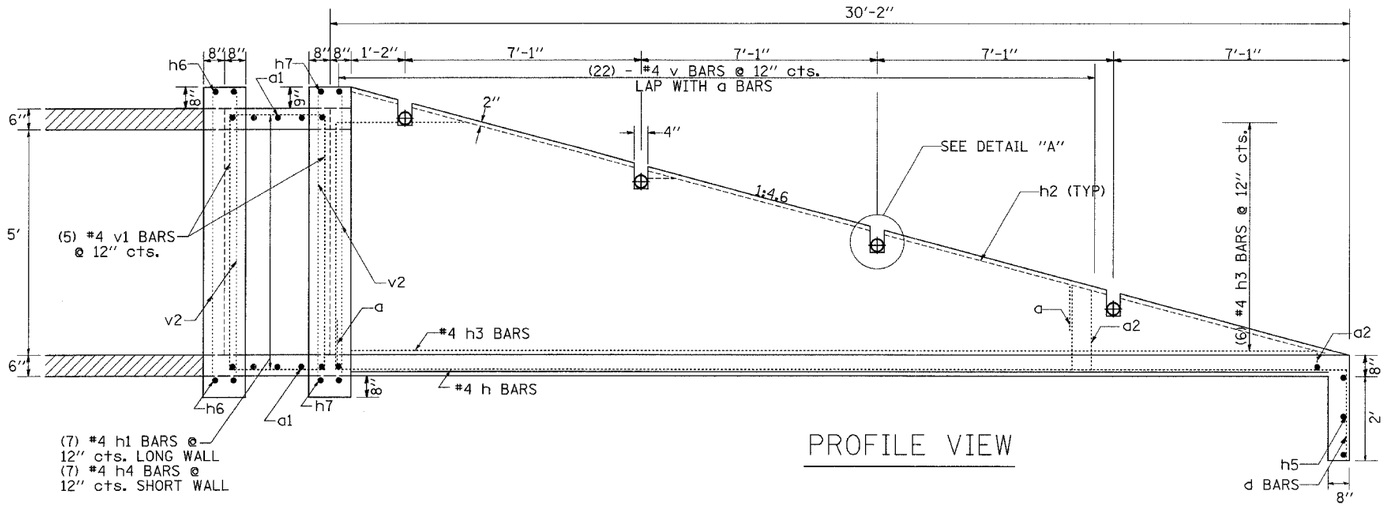
CONTRACT NO. 64B43

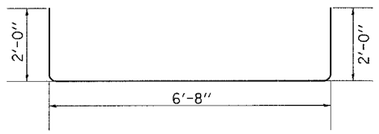
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
553	120I-2	OGLE	59	31
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

GRATED CULVERT EXTENSION, NO. 1

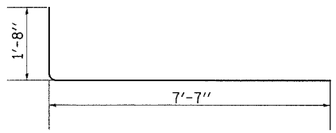
STA 2109+51 RT & 2109+79 LT



PROFILE VIEW



a BARS



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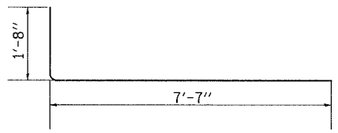
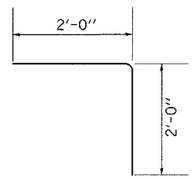


a2 BARS



d BARS

BILL OF MATERIALS
(ONE SECTION)

BAR	NUMBER	SIZE	LENGTH	SHAPE
a	44	#5	10'-8"	
a1	20	#6	9'-3"	
a2	20	#5	9'-3"	
d	14	#4	4'-0"	
h	14	#4	29'-10"	
h1	14	#4	4'-7"	
h2	16	#4	7'-0"	
h3	12	#4	33'-0"	
h4	14	#4	1'-0"	
h5	6	#4	7'-7"	
h6	4	#6	7'-8"	
h7	2	#6	17'-3"	
v	44	#4	7'-4"	
v1	14	#4	5'-8"	
v2	11	#4	7'-0"	

DESCRIPTION	UNIT	QTY.
Class SI Concrete	CuYd	24.1
Reinforcement Bars	LBS	2116.6
3" I.D. Galv Steel Pipe	4@	16'-5"
	6@	29'-10"
3" Galv Pipe Caps	EACH	20
1/4" Galv Steel Plate (9" Nominal)	EACH	8
1/2"x4"x14" Galv Steel Plate	EACH	16
5/8"x9" Galv Steel Bolts	EACH	24
Expansion Bolts 1/2"	EACH	32

GENERAL NOTES:

Slope flow line of the extension at the same rate as the flow line of the box.

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 be of precast construction. It shall also include the Class SI Concrete for the Collar, Galvinized Pipe, Bolts, Nuts, Washers, Steel Plates.

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. Contrator shall field verify pipe length.

Steel Plates shall conform to AASHTO M-183 and shall be galvanized conforming to AASHTO M-111.

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

- U-BOLTS WILL NOT BE USED IN PLACE OF THE GALVANIZED STEEL BOLTS.
- GALVANIZED STEEL PLATE AND GALVANIZED PIPE CAPS ARE REQUIRED.

PLOT DATE = Wed Jul 26 09:31:18 2007
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PLOT SCALE = 50.0000 '/ IN.
USER NAME = dcswed

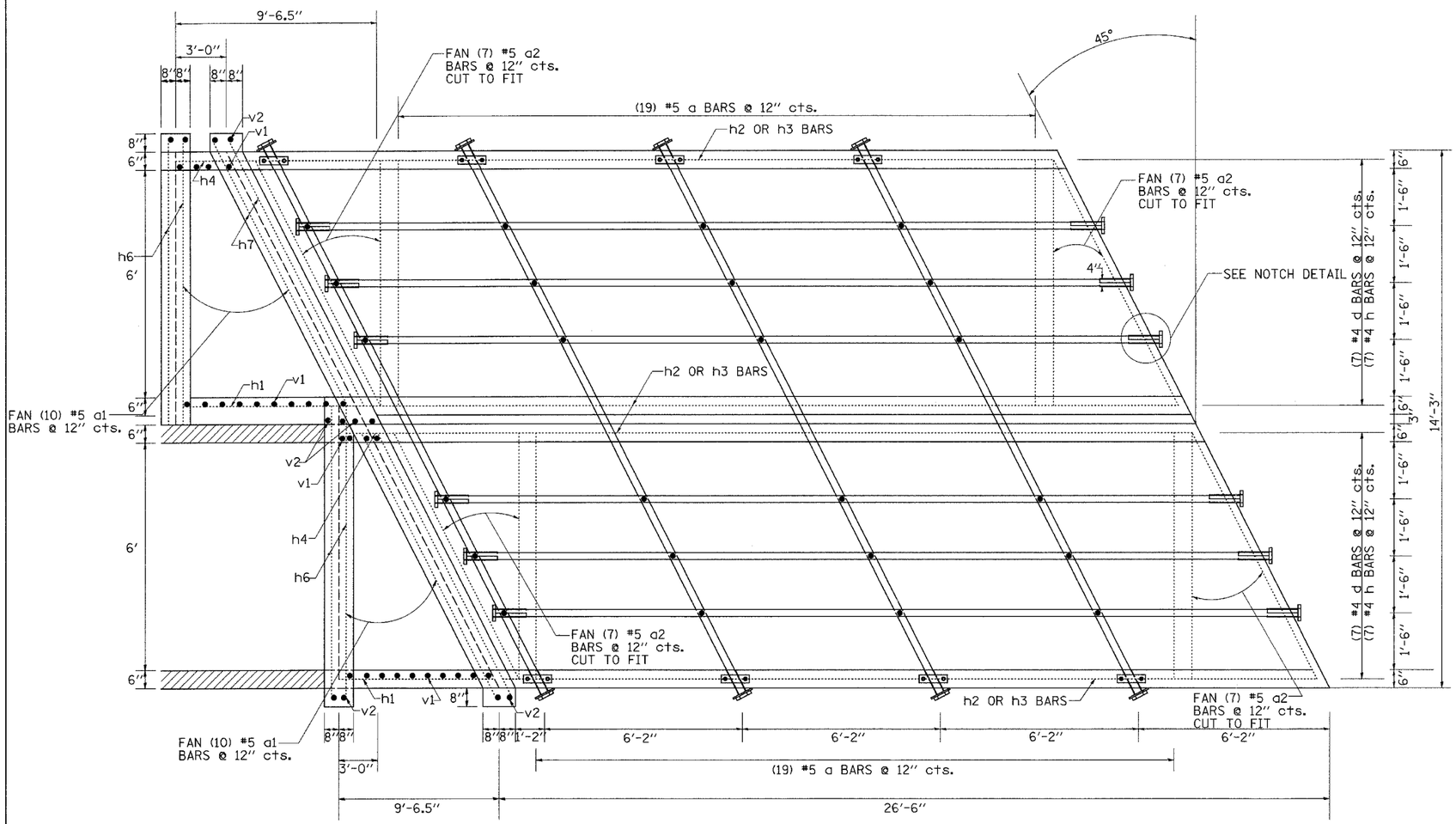
REVISED 6-29-06

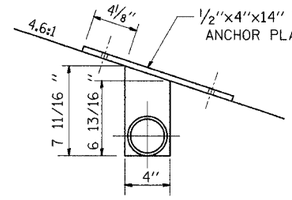
CONTRACT NO. 64B43

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
553	120I-2	OGLE	59	32
STA. _____	TO STA. _____			
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

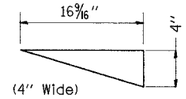
GRATED CULVERT EXTENSION, NO. 2

STA 2131+94 LT

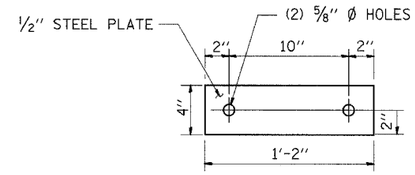




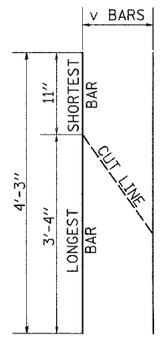
DETAIL "A"



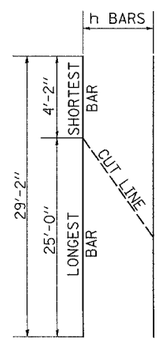
NOTCH DETAIL



TOP ANCHOR PLATE



v BAR CUT DIAGRAM



h3 BAR CUT DIAGRAM

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USER NAME = dcrowell

GRATED CULVERT EXTENSION, NO. 2

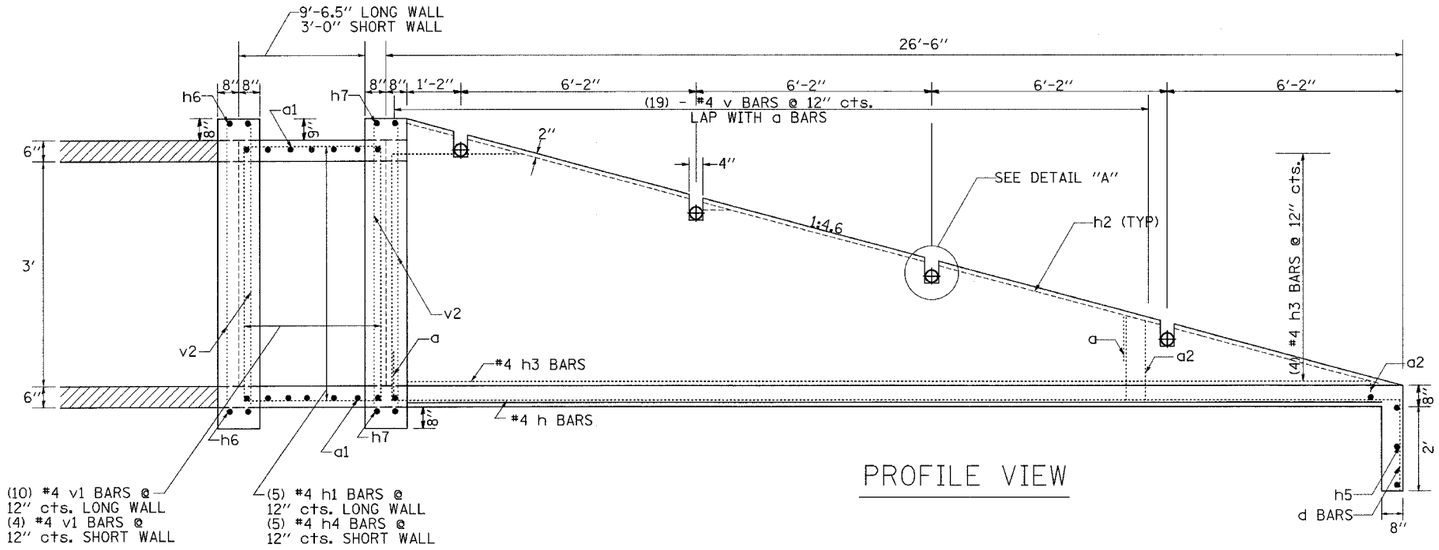
REVISED 6-29-06

CONTRACT NO. 64B43

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
553	120I-2	OGLE	59	33
STA. _____	TO STA. _____			
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

GRATED CULVERT EXTENSION, NO. 2

STA 2131+94 LT

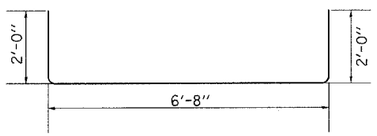


PROFILE VIEW

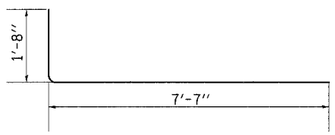
BILL OF MATERIALS
(ONE SECTION)

BAR	NUMBER	SIZE	LENGTH	SHAPE
a	38	#5	10'-8"	
a1	40	#6	9'-3"	
a2	28	#5	8'-11"	
d	14	#4	4'-0"	
h	14	#4	26'-2"	
h1	10	#4	8'-8"	
h2	16	#4	5'-6"	
h3	8	#4	29'-2"	
h4	10	#4	2'-8"	
h5	6	#4	9'-7"	
h6	8	#6	8'-0"	
h7	4	#6	19'-10"	
v	38	#4	4'-3"	
v1	28	#4	3'-8"	
v2	12	#4	5'-0"	

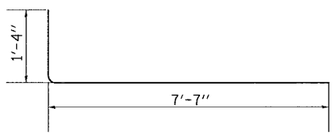
DESCRIPTION	UNIT	QTY.
Class SI Concrete	CuYd	21.9
Reinforcement Bars	LBS	2281.7
3" I.D. Galv Steel Pipe	4@	16'-5"
	6@	25'-10"
3" Galv Pipe Caps	EACH	20
1/4" Galv Steel Plate (9" Nominal)	EACH	8
1/2"x4"x14" Galv Steel Plate	EACH	16
5/8"x9" Galv Steel Bolts	EACH	24
Expansion Bolts 1/2"	EACH	32



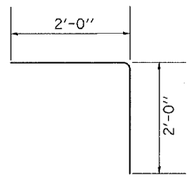
a BARS



a1 BARS



a2 BARS



d BARS

GENERAL NOTES:

Slope flow line of the extension at the same rate as the flow line of the box.

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. 2 shall be of precast construction. It shall also include the Class SI Concrete for the Collar, Galvinized Pipe, Bolts, Nuts, Washers, Steel Plates.

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. Contrator shall field verify pipe length.

Steel Plates shall conform to AASHTO M-183 and shall be galvanized conforming to AASHTO M-111.

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

- U-BOLTS WILL NOT BE USED IN PLACE OF THE GALVANIZED STEEL BOLTS.
- GALVANIZED STEEL PLATE AND GALVANIZED PIPE CAPS ARE REQUIRED.

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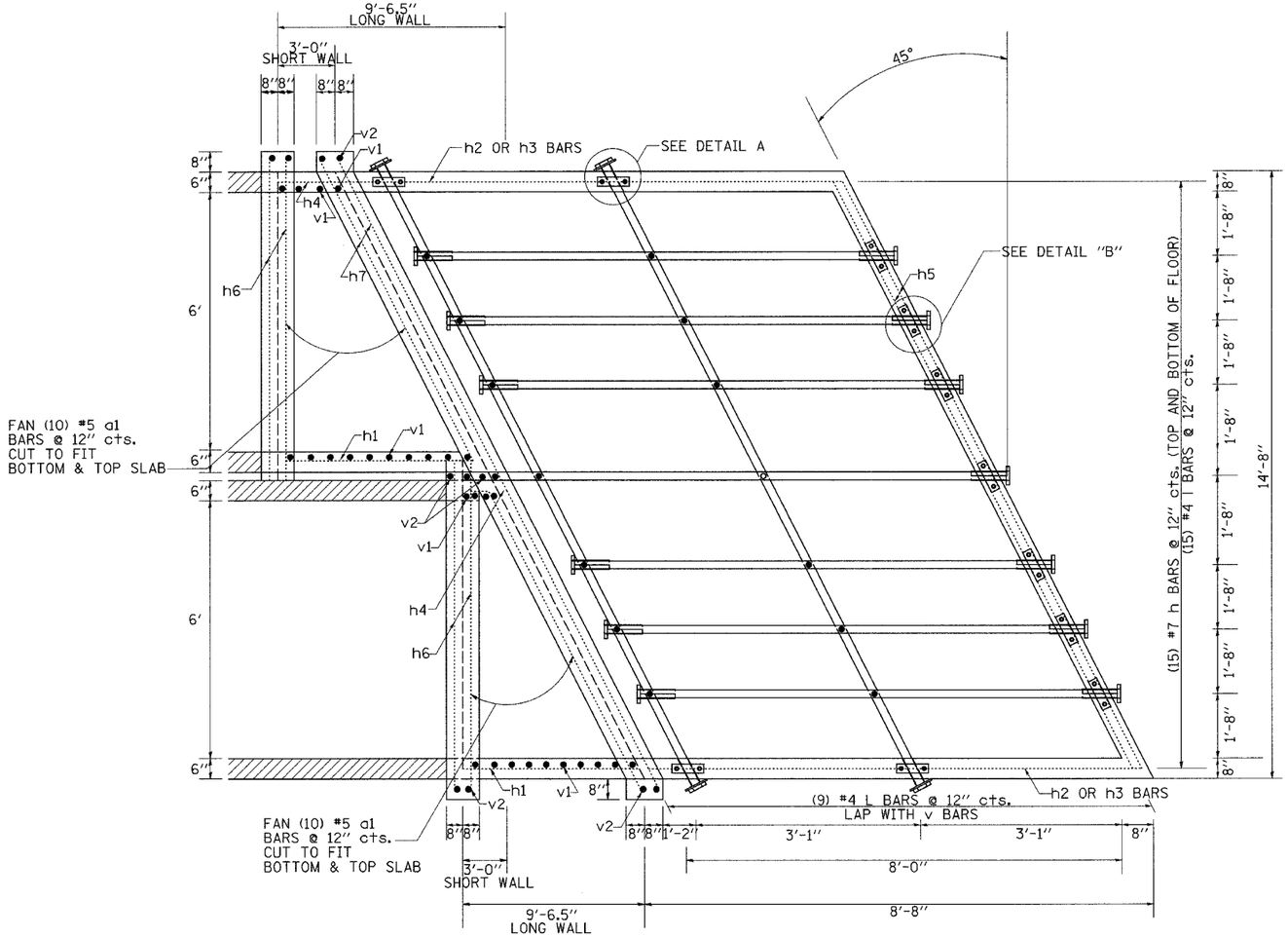
USER NAME = dosadd

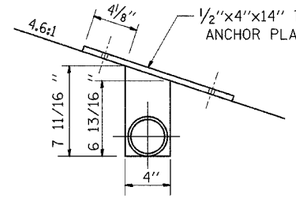
REVISED 6-29-06

CONTRACT NO. 64B43

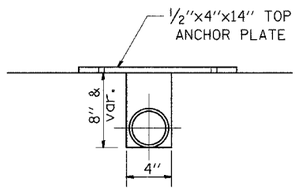
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
553	120I-2	OGLE	59	34
STA. _____	TO STA. _____			
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

INLET BOX, SPECIAL
STA 2131+29 RT

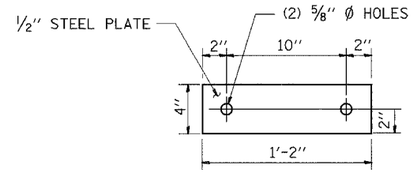




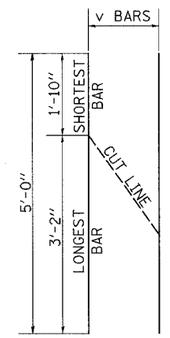
DETAIL "A"



DETAIL "B"



TOP ANCHOR PLATE



v BAR
CUT DIAGRAM

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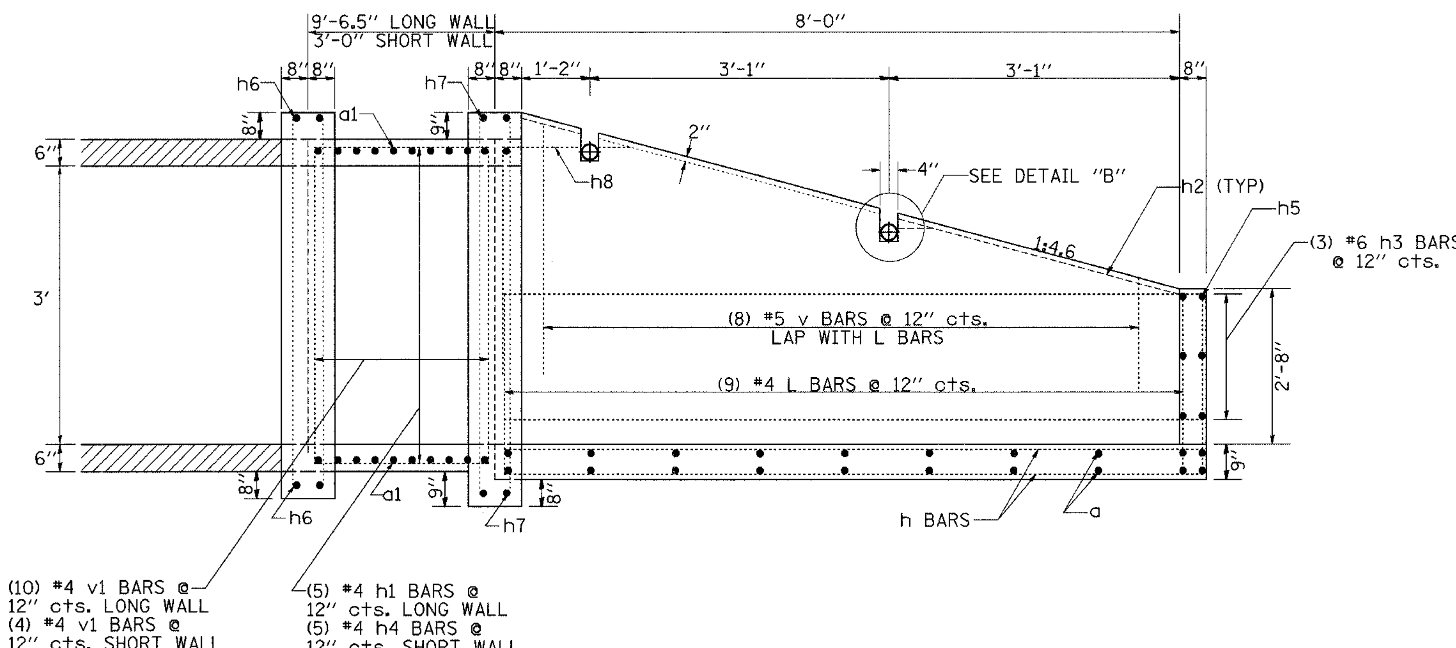
USER NAME = dcrowell

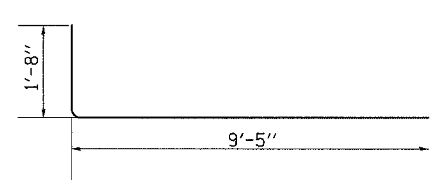
CONTRACT NO. 64B43

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
553	120T-2	OGLE	59	35
STA. ________	TO STA. ________			
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

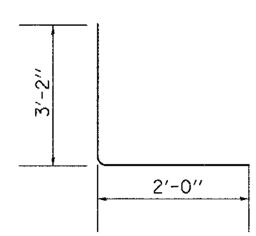
INLET BOX, SPECIAL
STA 2131+29 RT



PROFILE VIEW



a BARS



L BARS

BILL OF MATERIALS
(ONE SECTION)

BAR	NUMBER	SIZE	LENGTH	SHAPE
a	20	#5	20'-5"	
a1	40	#4	11'-1"	
h	30	#7	8'-4"	
h1	10	#4	9'-2"	
h2	4	#6	3'-1"	
h3	6	#6	8'-4"	
h4	10	#4	2'-8"	
h5	6	#6	20'-5"	
h6	8	#6	7'-11"	
h7	4	#6	22'-6"	
h8	2	#6	4'-4"	
L	33	#5	5'-2"	
v	8	#5	5'-0"	
v1	28	#4	3'-8"	
v2	12	#4	5'-0"	

DESCRIPTION	UNIT	QTY.
Class SI Concrete	CuYd	13.8
Reinforcement Bars	LBS	2161.1
3" I.D. Galv Steel Pipe	2@	21'-1"
	7@	8'-2"
3" Galv Pipe Caps	EACH	18
1/4" Galv Steel Plate (9" Nominal)	EACH	11
1/2"x4"x14" Galv Steel Plate	EACH	11
5/8"x9" Galv Steel Bolts	EACH	14
Expansion Bolts 1/2"	EACH	22

GENERAL NOTES:

Slope flow line of the extension at the same rate as the flow line of the box.

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 Inlet Box, Special shall be of precast construction.
It shall also include the Class SI Concrete for the Collar, Galvinized Pipe, Bolts, Nuts, Washers, Steel Plates.

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. Contrator shall field verify pipe length.

Steel Plates shall conform to AASHTO M-183 and shall be galvanized conforming to AASHTO M-111.

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

- U-BOLTS WILL NOT BE USED IN PLACE OF THE GALVANIZED STEEL BOLTS.
- GALVANIZED STEEL PLATE AND GALVANIZED PIPE CAPS ARE REQUIRED.

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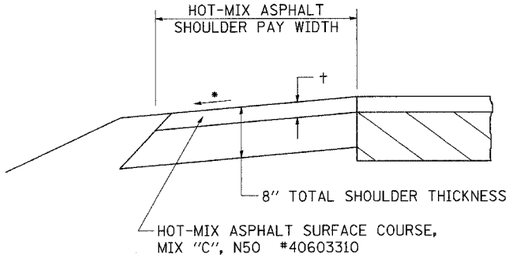
USER NAME = dossdd

CONTRACT NO. 64B43

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
553	120T-2	OGLE	59	36
STA. _____	TO STA. _____			
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

HOT-MIX ASPHALT SHOULDER



† = SEE TYPICAL SECTIONS FOR THICKNESS

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

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.

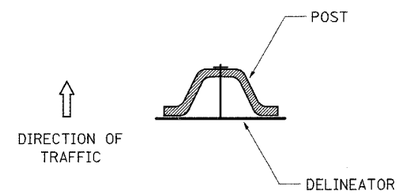
REMOVAL OF MATERIAL FOR PLACEMENT OF THE HOT-MIX ASPHALT SHOULDER TO BE PAID FOR IN UNITS FOR EXCAVATING AND GRADING EXISTING SHOULDERS OR IN CUBIC YARDS FOR EARTH EXCAVATION OR EARTH EXCAVATION WIDENING.

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

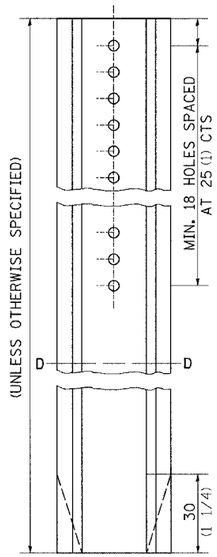
HOT-MIX ASPHALT SHOULDER **23.4a**

REVISED 10-06-06

DELINEATOR AND POST ORIENTATION



SECTION D-D



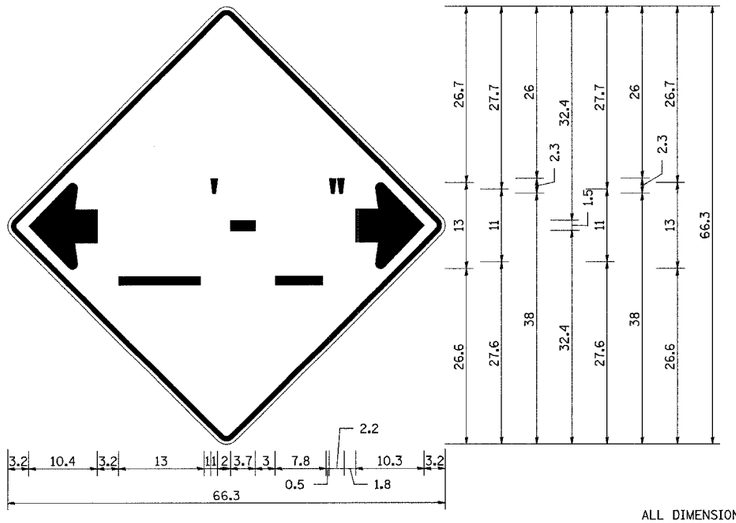
DELINEATORS SHALL BE INSTALLED ACCORDING TO STANDARD 635001 EXCEPT THAT THE POST SHALL BE ROTATED 180° . THE POST WILL HAVE THE WIDE SIDE FACING TRAFFIC AND THE DELINEATOR ATTACHECD AS SHOWN ABOVE.

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

DELINEATOR AND POST ORIENTATION **37.4**

REVISED 1-31-00

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°

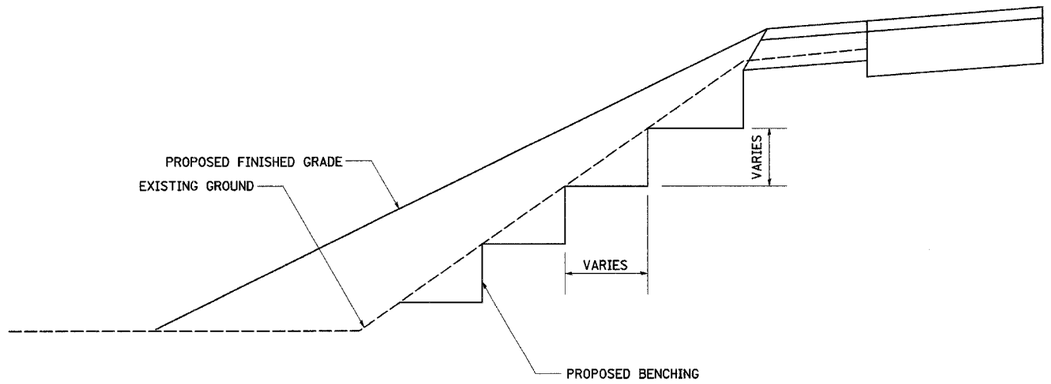
All work to furnish and install these signs shall be included in the cost of the Traffic Control Standards and shall not be paid for separately.

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

INFORMATIONAL WARNING SIGN (FOR NARROW TRAVEL LANES) **39.4**

REVISED 6-29-05

TYPICAL BENCHING ON EXISTING EMBANKMENT



TYPICAL BENCHING ON EXISTING EMBANKMENT **50.4**

REVISED 2-22-06

CONTRACT NO. 64B43

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
553	120I-2	OGLE	59	37
STA. _____		TO STA. _____		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

LETTERING FOR NAME PLATE

STATION
BUILT 200_ BY
STATE OF ILLINOIS
RTE. SEC.
FA PROJECT
LOADING HS 20
STR. NO.

SEE STD. 515001

DESIGNERS NOTE

WHEN USING A DOUBLE BOX CULVERT GET A STRUCTURE NUMBER AND SHOW IT ON THE GENERAL NOTES. IF THE DOUBLE BOX CULVERT IS EQUAL TO OR GREATER THAN 6.1m (20 FT)WIDE INCLUDE A PAY ITEM FOR NAME PLATES AND INCLUDE THIS DETAIL IN THE PLANS.

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

LETTERING FOR NAME PLATE 89.4

REVISED 10-15-04

TREE REPLACEMENT SCHEDULE

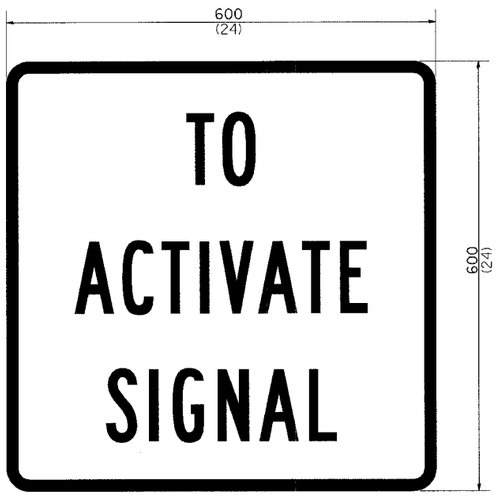
CODE NUMBER	SCIENTIFIC NAME	COMMON NAME	SIZE	UNIT	QUANTITY
A2006714	QUERCUS MACROCARPA	BUR OAK	1 3/4" CALIPER, BALLED & BURLAPPED	EACH	25
C2001736	CORNUS SERICEA CARDINAL	CARDINAL REDOSIER DOGWOOD	3 FOOT HEIGHT, BALLED & BURLAPPED	EACH	34

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

TREE REPLACEMENT SCHEDULE 90.4

REVISED 8-10-05

STOP LINE SIGN FOR TEMPORARY SIGNALS



SIZE: 600(24) x 600(24)

100(4) CAPITAL LETTERS - BLACK

13(1/2) BORDER - BLACK

WHITE REFLECTIVE - TYPE AP
HIGH INTENSITY PRISMATIC SHEETING

GENERAL NOTE:

THIS SIGN SHALL BE INSTALLED AT THE STOP LINE AS DIRECTED BY ENGINEER.

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

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REFERENCE = REF

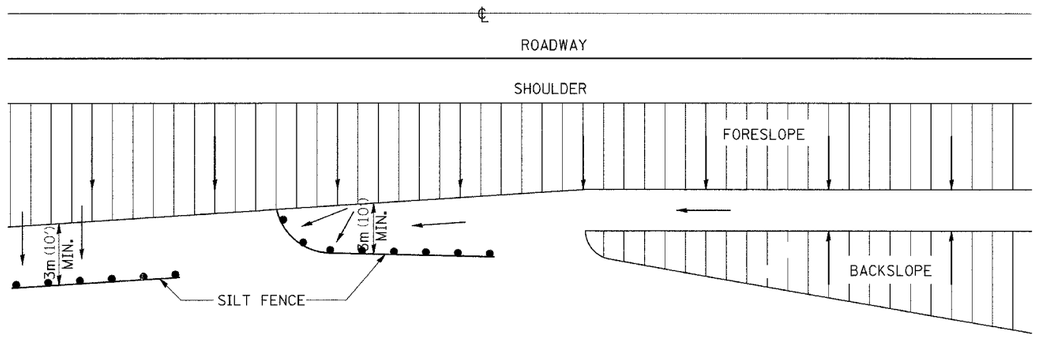
STOP LINE SIGN FOR TEMPORARY SIGNALS 99.4

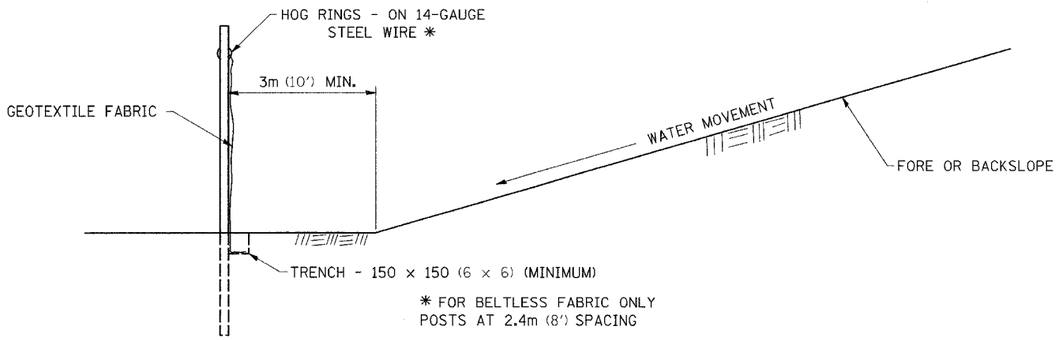
REVISED 1-22-07

CONTRACT NO. 64B43

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
553	120I-2	OGLE	59	38
STA. _____	TO STA. _____			
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

EROSION CONTROL DETAILS FOR SILT FENCE





DETAILS OF SILT FENCE

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

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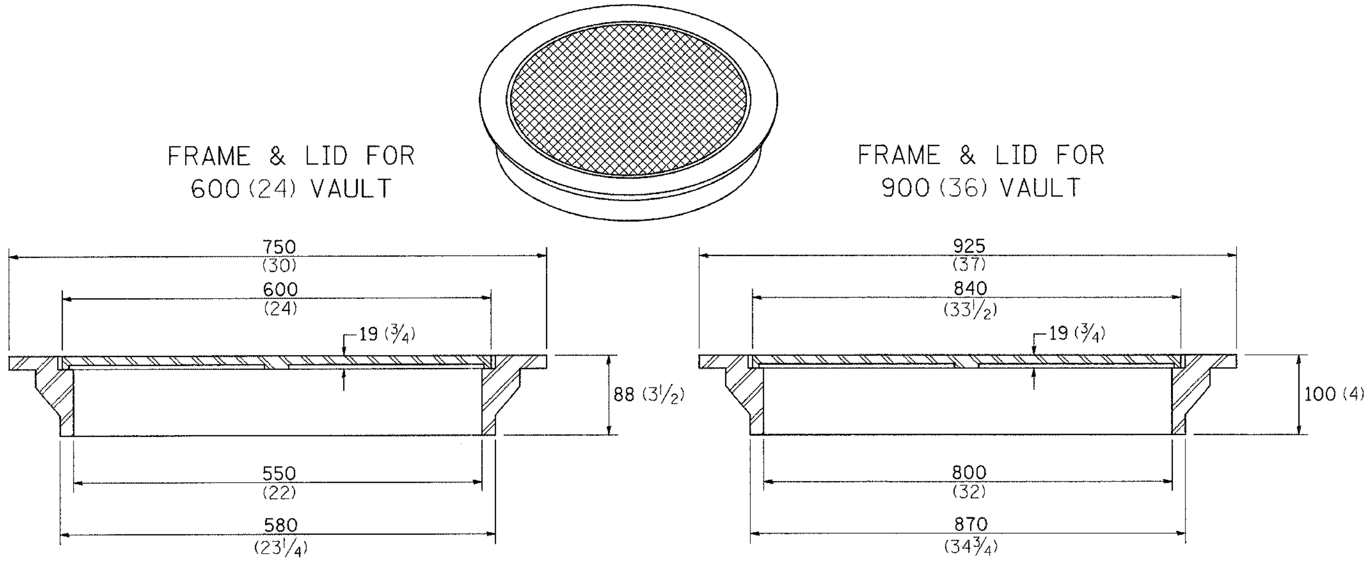
REFERENCE = REF

EROSION CONTROL DETAILS FOR SILT FENCE **29.2**

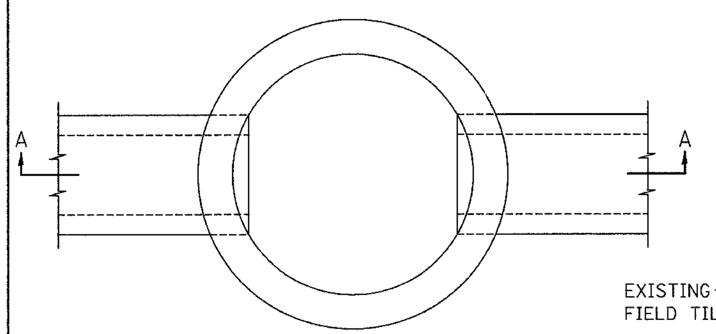
REVISED 10-22-01

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

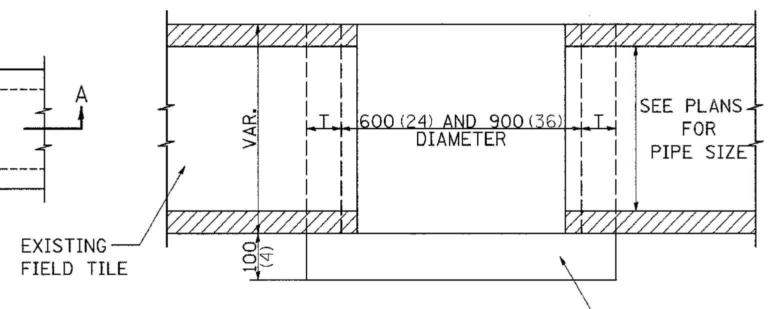


TOTAL WEIGHT: 66 Kg (146 lbs)

TOTAL WEIGHT: 127 Kg (280 lbs)



PLAN

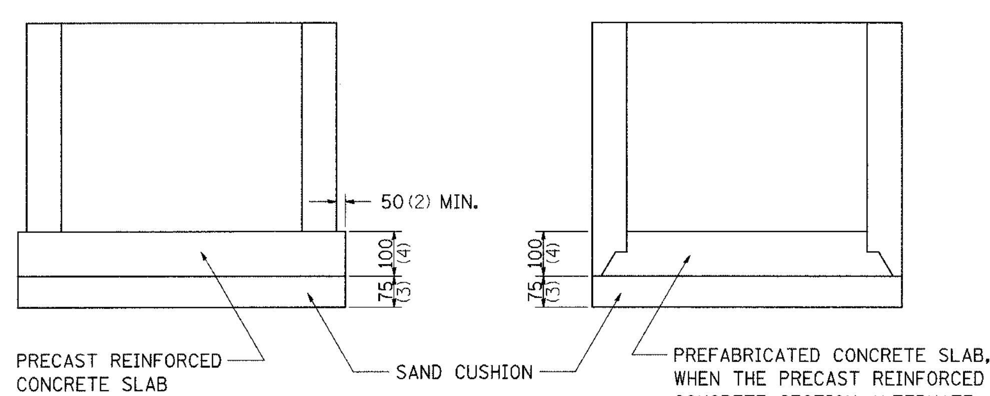


SECTION A-A

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)

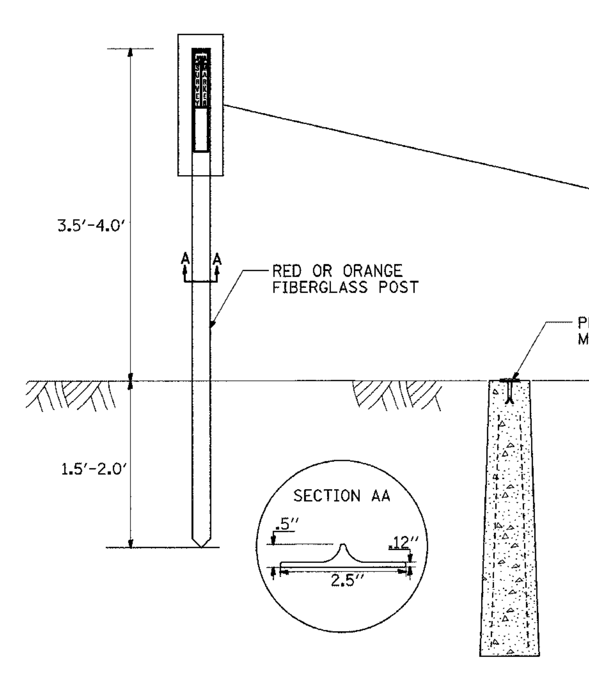
NOTE: THE FRAME AND LID IS REQUIRED ON ALL JUNCTION VAULTS.

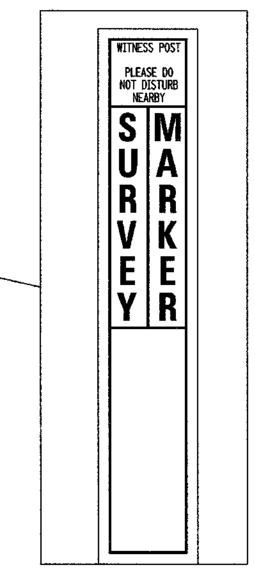
ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE NOTED.



ALTERNATE METHODS

WITNESS MARKER FOR PERMANENT SURVEY MARKERS, TYPE II

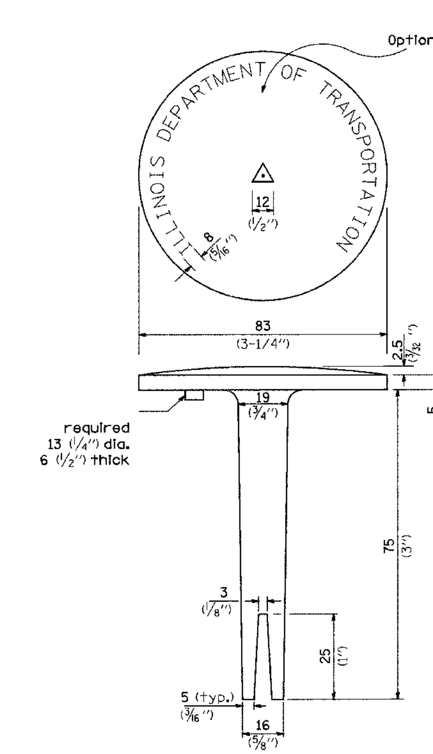




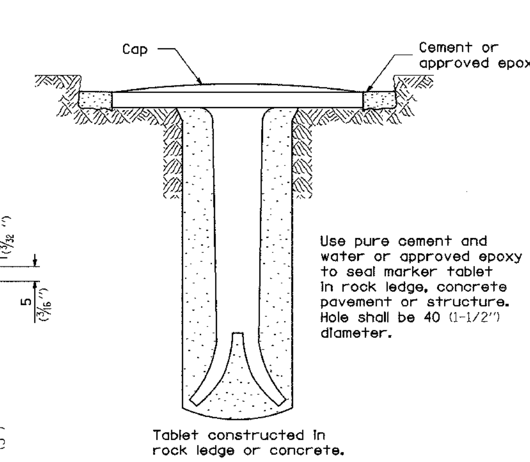
GENERAL NOTES

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.

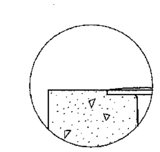
PERMANENT SURVEY MARKERS, TYPE II



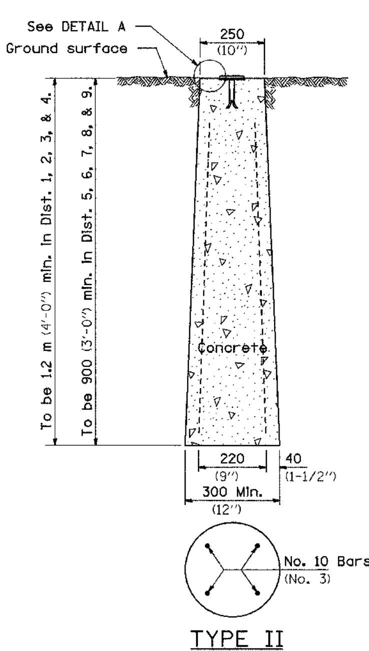
BRASS OR ALUMINUM TABLET



TYPE II



DETAIL A



TYPE II

CAST-IN-PLACE MARKER

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

CONTRACT NO. 64B43

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
553	120I-2	OGLE	59	40
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 THE STAGED REMOVAL OF THE EXISTING CONCRETE BOX CULVERTS (S.N. 071-1141 & 071-1140) OVER DRAINAGE DITCH AND REPLACEMENT WITH A DOUBLE CELL PRECAST CONCRETE BOX CULVERTS (S.N. 071-1160 & 071-1161).

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) 1.99 ACRES

PROPOSED R.O.W (TOTAL PARCEL AREA) .69 ACRES

DISTURBED BY EXCAVATION (E.O.P TO CONSTRUCTION LIMIT) 1.37 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
TWO DRAINAGE DITCHES FLOW NORTHEASTWARDLY AND CROSSES IL 72 THROUGH CULVERTS AT STA 2109+85 AND 2131+99 AND CONTINUES TO FLOW NORTHEASTWARDS.

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 RESEEDED.

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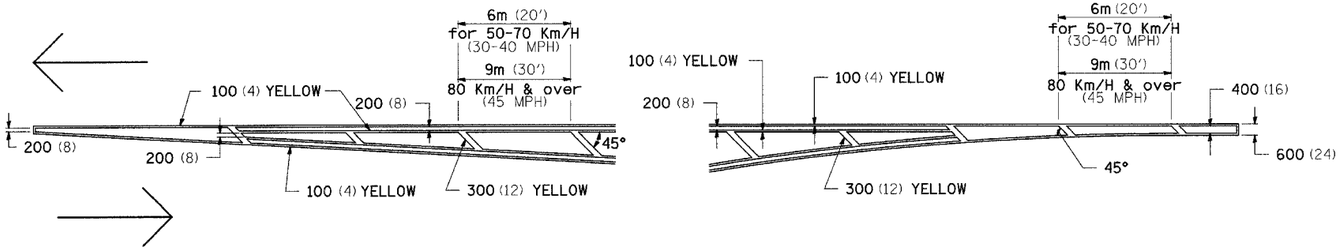
REVISED 5-12-04

CONTRACT NO. 64B43

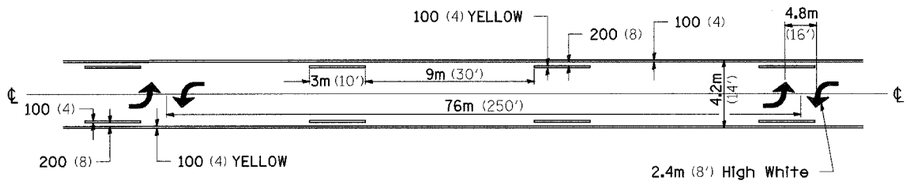
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
553	120I-2	OGLE	59	41
STA. _____	TO STA. _____			
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

TYPICAL PAVEMENT MARKINGS

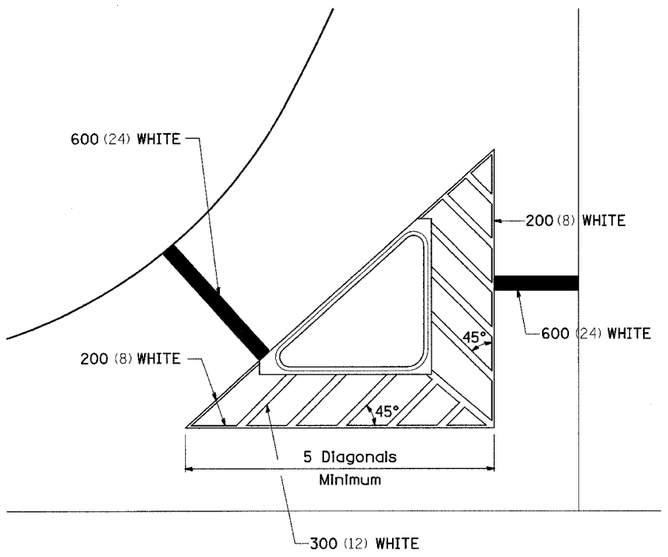
TYPICAL PAVEMENT MARKING FOR FLUSH MEDIAN AT LEFT TURN LANE



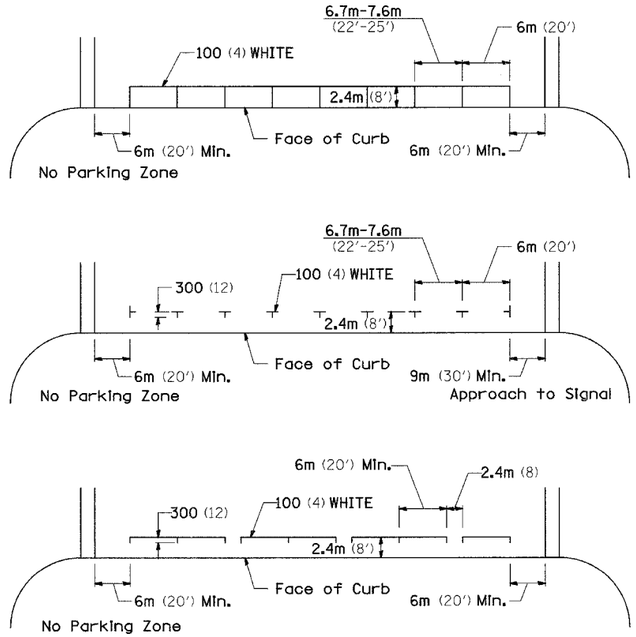
MEDIAN PAVEMENT MARKING



TYPICAL ISLAND OFFSET SHOULDER WIDTH



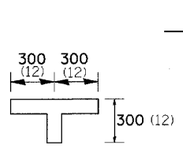
TYPICAL PARKING SPACING

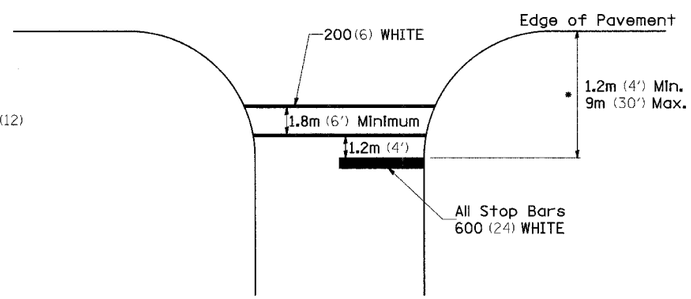


** ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE NOTED.

STANDARD CROSSWALK MARKING

See Schedules for Locations





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

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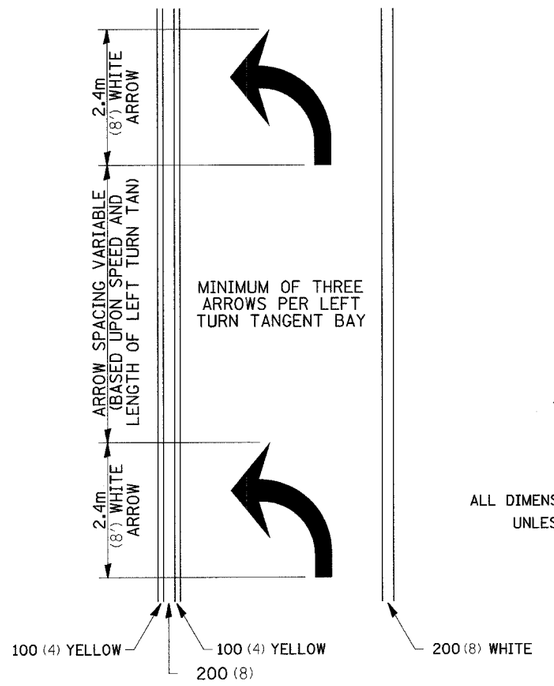
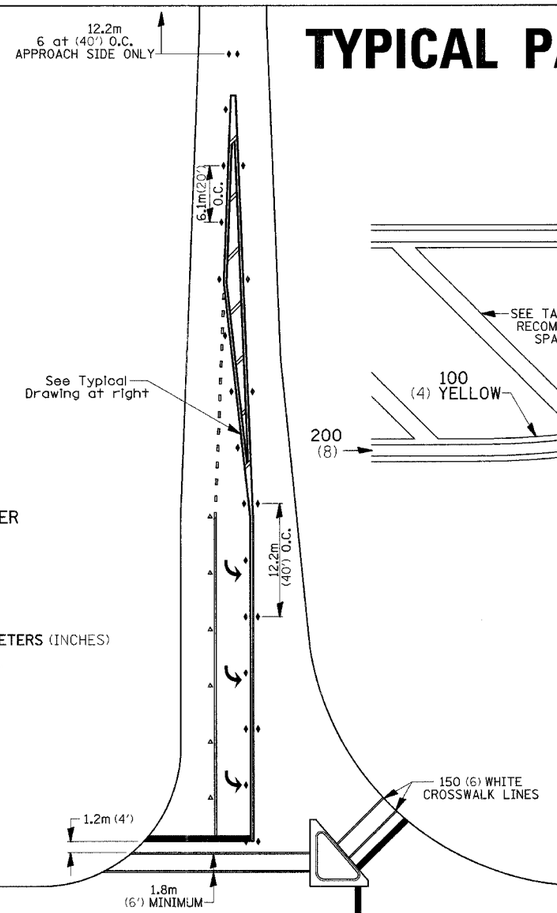
CONTRACT NO. 64B43

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
553	120T-2	OGLE	59	42
STA. _____	TO STA. _____			
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

TYPICAL PAVEMENT MARKINGS

ARROW LAYOUT

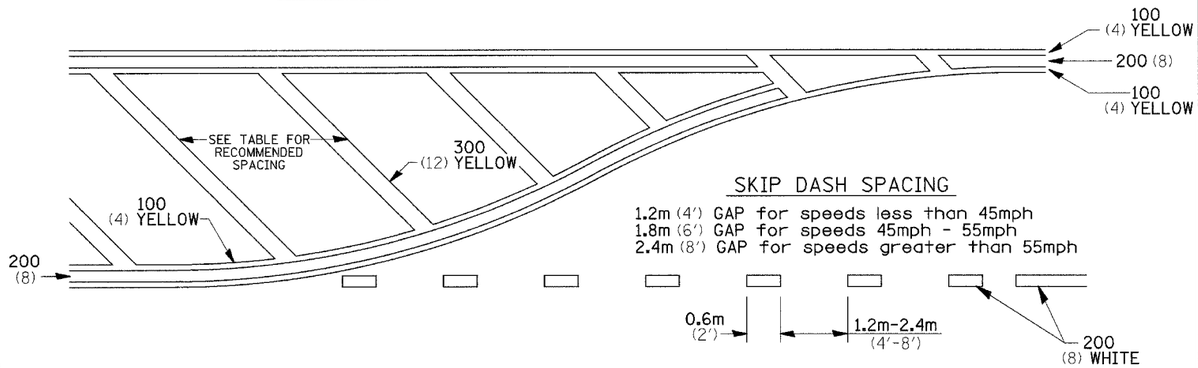




◀ ONE-WAY AMBER MARKER
◁ ONE-WAY CRYSTAL MARKER
◆ TWO-WAY AMBER MARKER

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

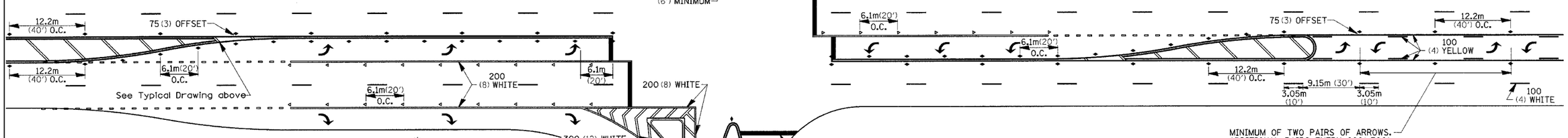
TYPICAL PAVEMENT MARKING FOR FLUSH MEDIAN

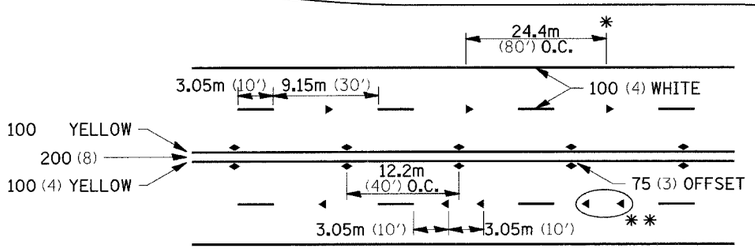


RECOMMENDED SPACING BETWEEN DIAGONALS (IN FEET)

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.

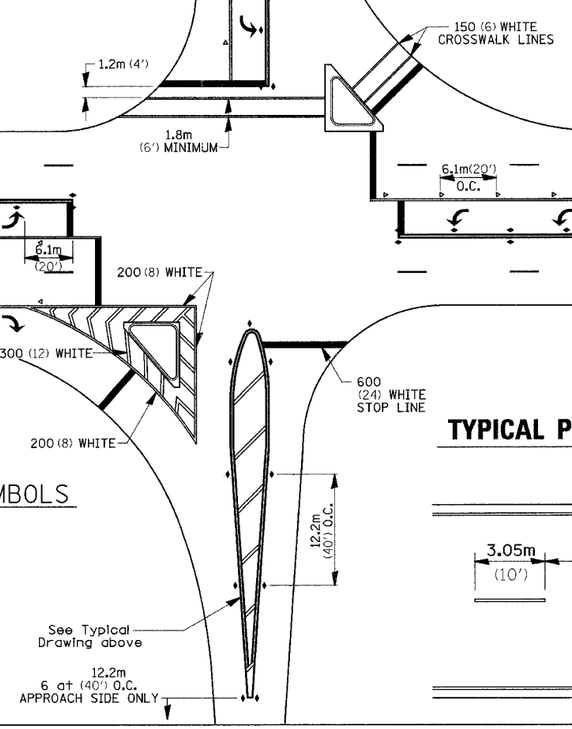




* REDUCE TO 12.2m (40') O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 15Km/H (10MPH) LOWER THAN POSTED SPEEDS.

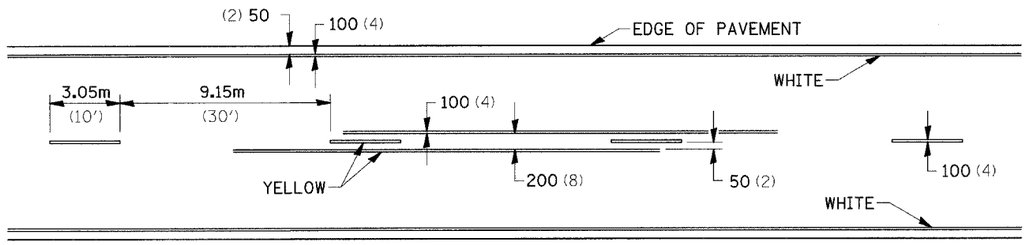
** USE DOUBLE MARKERS WHEN ADT ≥ 25,000

MULTI-LANE / UNDIVIDED



SYMBOLS

TYPICAL PAVEMENT MARKING FOR TWO LANE SECTION – NO PASSING ZONES

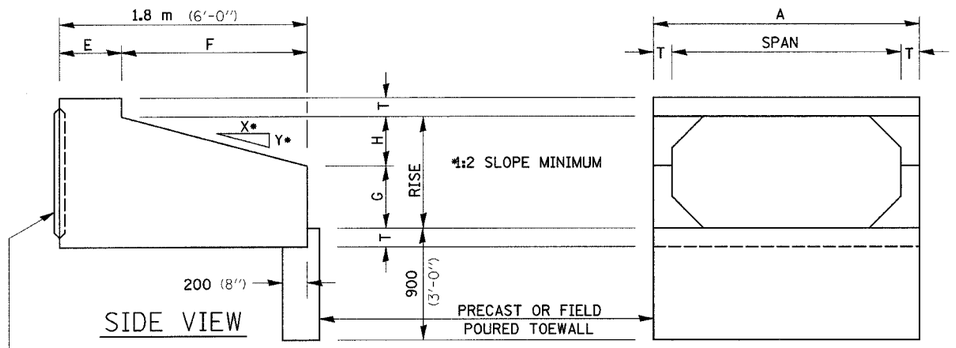


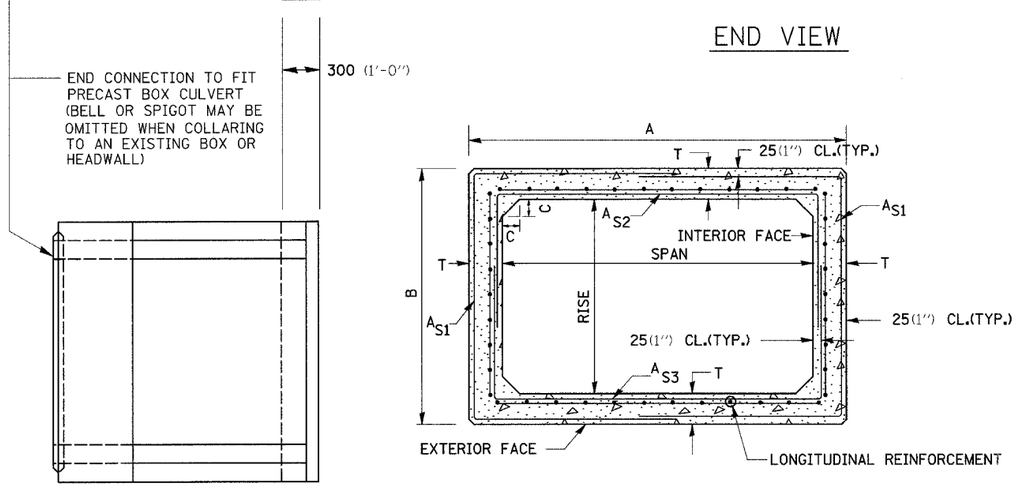
REVISED 7-20-06

CONTRACT NO. 64B43

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
553	120T-2	OGLE	59	43
STA. _____	TO STA. _____			
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

DETAIL OF PRECAST CONCRETE BOX CULVERTS AND END SECTIONS





GENERAL NOTES

PRECAST CONCRETE BOX CULVERTS AND PRECAST CONCRETE BOX CULVERT END SECTIONS

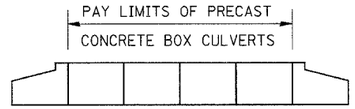
THIS WORK CONSISTS OF FURNISHING AND INSTALLING PRECAST BOX CULVERTS AND BOX CULVERT END SECTIONS AS SHOWN ON THE PLANS AND SPECIFIED HEREIN.

IF THE EARTH COVER IS 600 (2 ft) OR MORE, THE PRECAST CONCRETE BOX CULVERT SECTIONS SHALL CONFORM TO THE REQUIREMENTS OF ASTM C789 EXCEPT THAT THE AGGREGATE SHALL CONFORM TO THE REQUIREMENTS OF ARTICLES 1003.02 AND 1004.02 OF THE STANDARD SPECIFICATIONS, WITH THE EXCEPTION OF A GRADATION.

IF THE EARTH COVER IS LESS THAN 600 (2 ft), THE PRECAST BOX CULVERT BARREL SECTIONS SHALL CONFORM TO THE REQUIREMENTS OF ASTM C850 AND THE END SECTIONS SHALL CONFORM TO THE REQUIREMENTS OF ASTM C789. WITH THE EXCEPTION OF GRADATION, THE AGGREGATE SHALL CONFORM TO THE REQUIREMENTS OF ARTICLES 1003.02 AND 1004.02 OF THE STANDARD SPECIFICATIONS.

ALL APPLICABLE REQUIREMENTS OF ARTICLE 540 OF THE STANDARD SPECIFICATIONS.

THE EXCAVATION AND BACKFILLING FOR PRECAST CONCRETE BOX CULVERT SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION 502 OF THE STANDARD SPECIFICATIONS EXCEPT A LAYER OF POROUS GRANULAR BACKFILL, AT LEAST 150 (6") IN THICKNESS, SHALL BE PLACED BELOW THE ELEVATION OF THE BOTTOM OF THE BOX. THE POROUS GRANULAR BACKFILL SHALL BE PLACED TO EXTEND AT LEAST 600 (2 ft) EACH SIDE OF THE BOX. THE PRECAST CONCRETE BOX CULVERT SHALL BE LAID IN ACCORDANCE WITH THE APPLICABLE REQUIREMENTS OF ARTICLE 542.04 (d) OF THE STANDARD SPECIFICATIONS

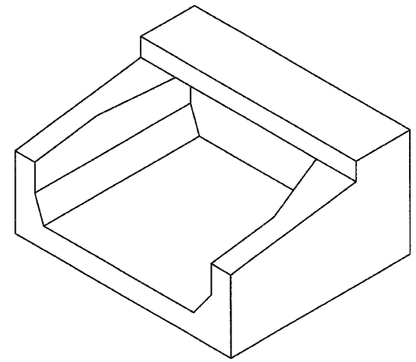


SHOP PLANS FOR THE PRECAST CONCRETE BOX CULVERT SECTIONS AND THE END SECTIONS SHALL BE SUBMITTED IN ACCORDANCE WITH THE REQUIREMENTS OF ARTICLE 1042.03 (b) OF THE STANDARD SPECIFICATIONS.

THE PRECAST CONCRETE BOX CULVERT EXCLUDING END SECTIONS WILL BE MEASURED ON A METER (LINEAL FOOT) BASIC. THE PRECAST BOX CULVERT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER METER (LINEAL FOOT) FOR PRECAST CONCRETE BOX CULVERT, OF THE SIZE SPECIFIED, AND INCLUDES POROUS GRADULAR BACKFILL EXCAVATION EXCEPT EXCAVATION OF ROCK AND/OR UNSTABLE OR UNSUITABLE MATERIAL BELOW BEDDING GRADE

THE PRECAST CONCRETE BOX CULVERT END SECTION WILL BE MEASURED ON AN EACH BASIS. THE END SECTIONS WILL BE PAID FOR AT THE CONCTRACT UNIT PRICE EACH FOR BOX CULVERT END SECTIONS, OF THE CULVERT NUMBER SPECIFIED, AND INCLUDE EXCAVATION, TOEWALL AND COLLARS.

- ALL DIMENSIONS SHOULD BE VERIFIED WITH SUPPLIER.



ISOMETRIC VIEW

DIMENSIONS (FOR ASTM C789) *

SPAN X RISE (ft) meter	T mm (INCHES)	A mm (FT.-IN.)	B mm (FT.-IN.)	C mm (INCHES)	E mm (FT.-IN.)	F mm (FT.-IN.)	G mm (FT.-IN.)	H mm (FT.-IN.)	SLOPE (X : Y)
0.6 x 0.6 (2'x2')	100 (4)	800 (2-8)	800 (2-8)	100 (4)	900 (3-0)	900 (3-0)	300 (1-0)	300 (1-0)	1:3
0.9 x 0.6 (3'x2')	100 (4)	1100 (3-8)	800 (2-8)	100 (4)	900 (3-0)	900 (3-0)	300 (1-0)	300 (1-0)	1:3
0.9 x 0.75 (3'x2.5')	100 (4)	1150 (3-8)	950 (3-2)	100 (4)	900 (3-0)	900 (3-0)	375 (1-3)	375 (1-3)	1:3
0.9 x 0.9 (3'x3')	100 (4)	1100 (3-8)	1100 (3-8)	100 (4)	600 (2-0)	1200 (4-0)	500 (1-8)	400 (1-4)	1:3
1.2 x 0.6 (4'x2')	125 (5)	1450 (4-10)	850 (2-10)	125 (5)	900 (3-0)	900 (3-0)	300 (1-0)	300 (1-0)	1:3
1.2 x 0.9 (4'x3')	125 (5)	1450 (4-10)	1150 (3-10)	125 (5)	600 (2-0)	1200 (4-0)	500 (1-8)	400 (1-4)	1:3
1.2 x 1.2 (4'x4')	125 (5)	1450 (4-10)	1450 (4-10)	125 (5)	600 (2-0)	1200 (4-0)	600 (2-0)	600 (2-0)	1:2
1.5 x 0.6 (5'x2')	150 (6)	1800 (6-0)	900 (3-0)	150 (6)	900 (3-0)	900 (3-0)	300 (1-0)	300 (1-0)	1:3
1.5 x 0.9 (5'x3')	150 (6)	1800 (6-0)	1200 (4-0)	150 (6)	600 (2-0)	1200 (4-0)	500 (1-8)	400 (1-4)	1:3
1.5 x 1.2 (5'x4')	150 (6)	1800 (6-0)	1500 (5-0)	150 (6)	600 (2-0)	1200 (4-0)	600 (2-0)	600 (2-0)	1:2
1.5 x 1.5 (5'x5')	150 (6)	1800 (6-0)	1800 (6-0)	150 (6)	600 (2-0)	1200 (4-0)	900 (3-0)	600 (2-0)	1:3
1.8 x 0.6 (6'x2')	175 (7)	2150 (7-2)	950 (3-2)	175 (7)	900 (3-0)	900 (3-0)	300 (1-0)	300 (1-0)	1:3
1.8 x 0.9 (6'x3')	175 (7)	2150 (7-2)	1250 (4-2)	175 (7)	600 (2-0)	1200 (4-0)	500 (1-8)	400 (1-4)	1:3
1.8 x 1.2 (6'x4')	175 (7)	2150 (7-2)	1550 (5-2)	175 (7)	600 (2-0)	1200 (4-0)	600 (2-0)	600 (2-0)	1:2
1.8 x 1.5 (6'x5')	175 (7)	2150 (7-2)	1850 (6-2)	175 (7)	600 (2-0)	1200 (4-0)	900 (3-0)	600 (2-0)	1:2
1.8 x 1.8 (6'x6')	175 (7)	2150 (7-2)	2150 (7-2)	175 (7)	600 (2-0)	1200 (4-0)	1200 (4-0)	600 (2-0)	1:2

SPAN X RISE (ft) meter	T mm (INCHES)	A mm (FT.-IN.)	B mm (FT.-IN.)	C mm (INCHES)	E mm (FT.-IN.)	F mm (FT.-IN.)	G mm (FT.-IN.)	H mm (FT.-IN.)	SLOPE (X : Y)
2.1 x 0.9 (7'X3')	200 (8)	2500 (8-4)	1300 (4-4)	200 (8)	600 (2-0)	1200 (4-0)	300 (1-0)	600 (2-0)	1:2
2.1 x 1.2 (7'x4')	200 (8)	2500 (8-4)	1600 (5-4)	200 (8)	600 (2-0)	1200 (4-0)	600 (2-0)	600 (2-0)	1:2
2.1 x 1.5 (7'x5')	200 (8)	2500 (8-4)	1900 (6-4)	200 (8)	600 (2-0)	1200 (4-0)	900 (3-0)	600 (2-0)	1:2
2.1 x 1.8 (7'x6')	200 (8)	2500 (8-4)	2200 (7-4)	200 (8)	600 (2-0)	1200 (4-0)	1200 (4-0)	600 (2-0)	1:2
2.1 x 2.1 (7'x7')	200 (8)	2500 (8-4)	2500 (8-4)	200 (8)	600 (2-0)	1200 (4-0)	1500 (5-0)	600 (2-0)	1:2
2.4 x 0.9 (8'x3')	200 (8)	2800 (9-4)	1300 (4-4)	200 (8)	600 (2-0)	1200 (4-0)	300 (1-0)	600 (2-0)	1:2
2.4 x 1.2 (8'x4')	200 (8)	2800 (9-4)	1600 (5-4)	200 (8)	600 (2-0)	1200 (4-0)	600 (2-0)	600 (2-0)	1:2
2.4 x 1.5 (8'x5')	200 (8)	2800 (9-4)	1900 (6-4)	200 (8)	600 (2-0)	1200 (4-0)	900 (3-0)	600 (2-0)	1:2
2.4 x 1.8 (8'x6')	200 (8)	2800 (9-4)	2200 (7-4)	200 (8)	600 (2-0)	1200 (4-0)	1200 (4-0)	600 (2-0)	1:2
2.4 x 2.1 (8'x7')	200 (8)	2800 (9-4)	2500 (8-4)	200 (8)	600 (2-0)	1200 (4-0)	1500 (5-0)	600 (2-0)	1:2
2.4 x 2.4 (8'x8')	200 (8)	2800 (9-4)	2800 (9-4)	200 (8)	600 (2-0)	1200 (4-0)	1800 (6-0)	600 (2-0)	1:2
2.7 x 0.9 (9'x3')	225 (9)	3150 (10-6)	1350 (4-6)	225 (9)	600 (2-0)	1200 (4-0)	300 (1-0)	600 (2-0)	1:2
2.7 x 1.2 (9'x4')	225 (9)	3150 (10-6)	1650 (5-6)	225 (9)	600 (2-0)	1200 (4-0)	600 (2-0)	600 (2-0)	1:2
2.7 x 1.5 (9'x5')	225 (9)	3150 (10-6)	1950 (6-6)	225 (9)	600 (2-0)	1200 (4-0)	900 (3-0)	600 (2-0)	1:2
2.7 x 1.8 (9'x6')	225 (9)	3150 (10-6)	2250 (7-6)	225 (9)	600 (2-0)	1200 (4-0)	1200 (4-0)	600 (2-0)	1:2
2.7 x 2.1 (9'x7')	225 (9)	3150 (10-6)	2600 (8-6)	225 (9)	600 (2-0)	1200 (4-0)	1500 (5-0)	600 (2-0)	1:2

SPAN X RISE (ft) meter	T mm (INCHES)	A mm (FT.-IN.)	B mm (FT.-IN.)	C mm (INCHES)	E mm (FT.-IN.)	F mm (FT.-IN.)	G mm (FT.-IN.)	H mm (FT.-IN.)	SLOPE (X : Y)
2.7 x 2.4 (9'x8')	225 (9)	3150 (10-6)	2900 (9-6)	225 (9)	600 (2-0)	1200 (4-0)	1800 (6-0)	600 (2-0)	1:2
2.7 x 2.7 (9'x9')	225 (9)	3150 (10-6)	3150 (10-6)	225 (9)	600 (2-0)	1200 (4-0)	2100 (7-0)	600 (2-0)	1:2
3.0 x 0.9 (10'x3')	255 (10)	3550 (11-8)	1425 (4-8)	250 (10)	600 (2-0)	1200 (4-0)	300 (1-0)	400 (1-4)	1:3
3.0 x 1.2 (10'x4')	255 (10)	3550 (11-8)	1725 (5-8)	250 (10)	600 (2-0)	1200 (4-0)	300 (1-0)	600 (2-0)	1:2
3.0 x 1.5 (10'x5')	255 (10)	3550 (11-8)	2025 (6-8)	250 (10)	600 (2-0)	1200 (4-0)	600 (2-0)	600 (2-0)	1:2
3.0 x 1.8 (10'x6')	255 (10)	3550 (11-8)	2350 (7-8)	250 (10)	600 (2-0)	1200 (4-0)	900 (3-0)	600 (2-0)	1:2
3.0 x 2.1 (10'x7')	255 (10)	3550 (11-8)	2650 (8-8)	250 (10)	600 (2-0)	1200 (4-0)	1500 (5-0)	600 (2-0)	1:2
3.0 x 2.4 (10'x8')	255 (10)	3550 (11-8)	2950 (9-8)	250 (10)	600 (2-0)	1200 (4-0)	1800 (6-0)	600 (2-0)	1:2
3.0 x 2.7 (10'x9')	255 (10)	3550 (11-8)	3250 (10-8)	250 (10)	600 (2-0)	1200 (4-0)	2100 (7-0)	600 (2-0)	1:2
3.0 x 3.0 (10'x10')	255 (10)	3550 (11-8)	3550 (11-8)	250 (10)	600 (2-0)	1200 (4-0)	2400 (8-0)	600 (2-0)	1:2
3.3 x 0.9 (11'x3')	280 (11)	3900 (12-10)	1475 (4-10)	275 (11)	600 (2-0)	1200 (4-0)	300 (1-0)	600 (2-0)	1:2
3.3 x 1.2 (11'x4')	280 (11)	3900 (12-10)	1775 (5-10)	275 (11)	600 (2-0)	1200 (4-0)	600 (2-0)	600 (2-0)	1:2
3.3 x 1.5 (11'x5')	280 (11)	3900 (12-10)	2075 (6-10)	275 (11)	600 (2-0)	1200 (4-0)	900 (3-0)	600 (2-0)	1:2
3.3 x 1.8 (11'x6')	280 (11)	3900 (12-10)	2400 (7-10)	275 (11)	600 (2-0)	1200 (4-0)	1200 (4-0)	600 (2-0)	1:2
3.3 x 2.1 (11'x7')	280 (11)	3900 (12-10)	2700 (8-10)	275 (11)	600 (2-0)	1200 (4-0)	1500 (5-0)	600 (2-0)	1:2
3.3 x 2.4 (11'x8')	280 (11)	3900 (12-10)	3000 (9-10)	275 (11)	600 (2-0)	1200 (4-0)	1800 (6-0)	600 (2-0)	1:2

SPAN X RISE (ft) meter	T mm (INCHES)	A mm (FT.-IN.)	B mm (FT.-IN.)	C mm (INCHES)	E mm (FT.-IN.)	F mm (FT.-IN.)	G mm (FT.-IN.)	H mm (FT.-IN.)	SLOPE (X : Y)
3.3 x 2.7 (11'x9')	280 (11)	3900 (12-10)	3300 (10-10)	275 (11)	600 (2-0)	1200 (4-0)	2100 (7-0)	600 (2-0)	1:2
3.3 x 3.0 (11'x10')	280 (11)	3900 (12-10)	3600 (11-10)	275 (11)	600 (2-0)	1200 (4-0)	2400 (8-0)	600 (2-0)	1:2
3.3 x 3.3 (11'x11')	280 (11)	3900 (12-10)	3900 (12-10)	275 (11)	600 (2-0)	1200 (4-0)	2700 (9-0)	600 (2-0)	1:2
3.6 x 0.9 (12'x3')	300 (12)	4250 (14-0)	1525 (5-0)	300 (1-0)	600 (2-0)	1200 (4-0)	300 (1-0)	600 (2-0)	1:2
3.6 x 1.2 (12'x4')	300 (12)	4250 (14-0)	1825 (6-0)	300 (1-0)	600 (2-0)	1200 (4-0)	600 (2-0)	600 (2-0)	1:2
3.6 x 1.5 (12'x5')	300 (12)	4250 (14-0)	2125 (7-0)	300 (1-0)	600 (2-0)	1200 (4-0)	900 (3-0)	600 (2-0)	1:2
3.6 x 1.8 (12'x6')	300 (12)	4250 (14-0)	2425 (8-0)	300 (1-0)	600 (2-0)	1200 (4-0)	1200 (4-0)	600 (2-0)	1:2
3.6 x 2.1 (12'x7')	300 (12)	4250 (14-0)	2725 (9-0)	300 (1-0)	600 (2-0)	1200 (4-0)	1500 (5-0)	600 (2-0)	1:2
3.6 x 2.4 (12'x8')	300 (12)	4250 (14-0)	3025 (10-0)	300 (1-0)	600 (2-0)	1200 (4-0)	1800 (6-0)	600 (2-0)	1:2

PLOT DATE = Wed Jul 25 09:36:48 2007
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REFERENCE = REF

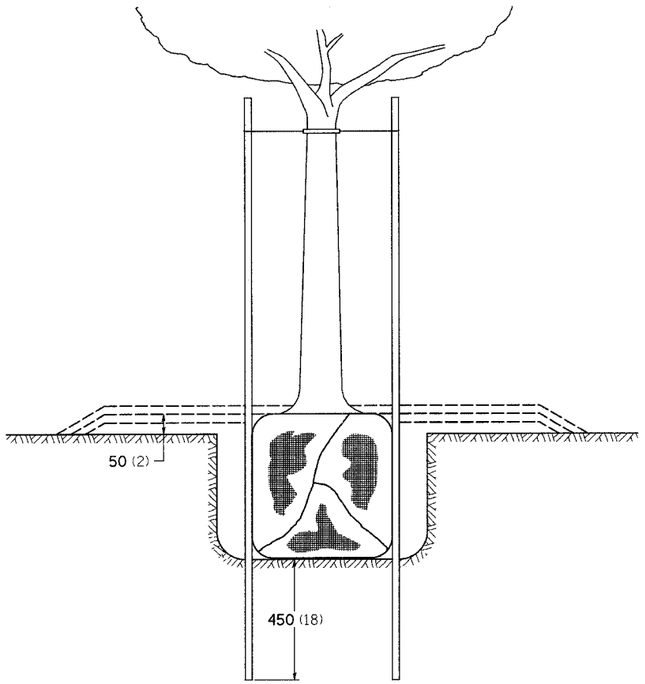
DETAIL OF PRECAST CONCRETE BOX CULVERTS AND END SECTIONS **71.1**

REVISED 3-19-02

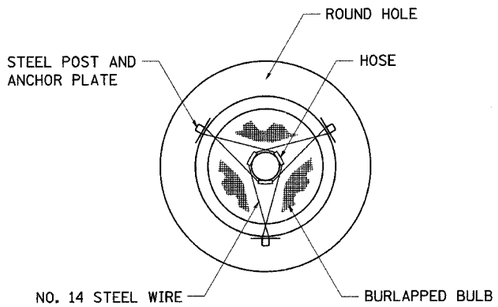
CONTRACT NO. 64B43

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
553	1201-2	OGLE	59	44
STA. _____	TO STA. _____			
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

DETAILS OF PLANTING AND BRACING TREES

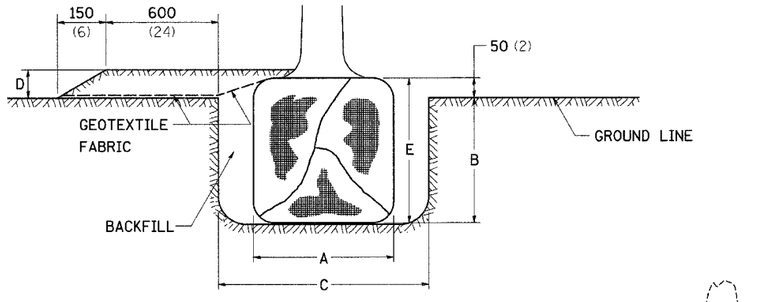


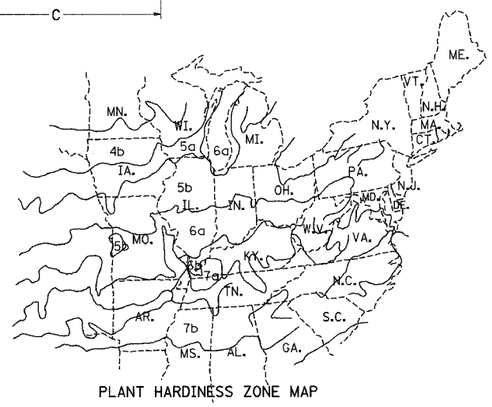
TREES SMALLER THAN 115 (4 1/2) IN DIAMETER



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

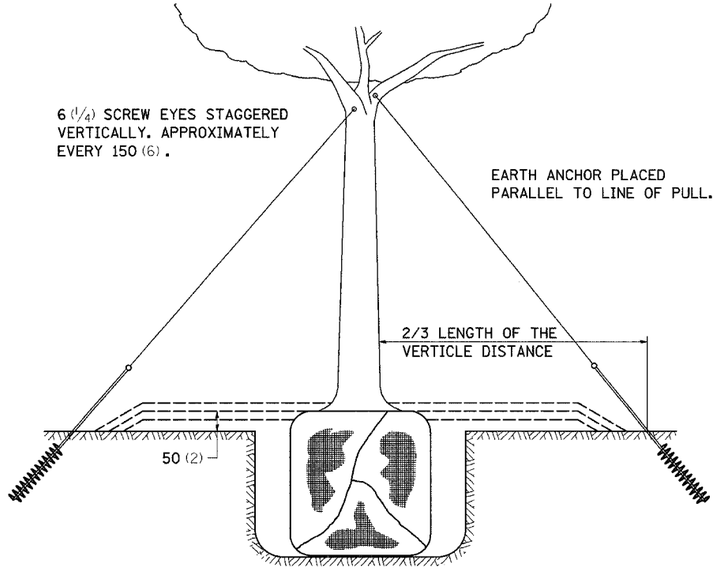
LARGE TREE SIZE	A DIAMETER OF BALL OR ROOT SYS.	B DEPTH OF HOLE EXCAVATION	C WIDTH OF HOLE EXCAVATION	D THICKNESS OF MULCH COVER	E DEPTH OF BALL OR ROOT SYS.	F VOLUME OF MULCH COVER m^3 (CU. YDS.)
0-50 (0-2)	500 (20)	275 (11)	900 (36)	100 (4)	325 (13)	0.47 (0.61)
50-65 (2-2 1/2) BB	600 (24)	350 (14)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



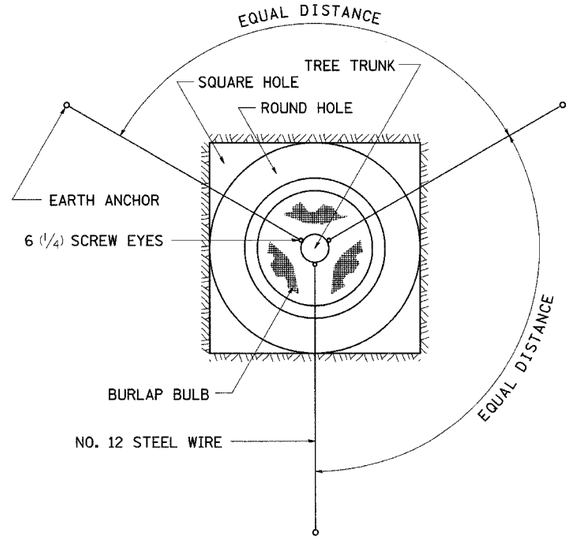


PLANT HARDINESS ZONE MAP

U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL RESEARCH SERVICE
PUBLICATION NO. 814



TREES OVER 115 (4 1/2) IN DIAMETER



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

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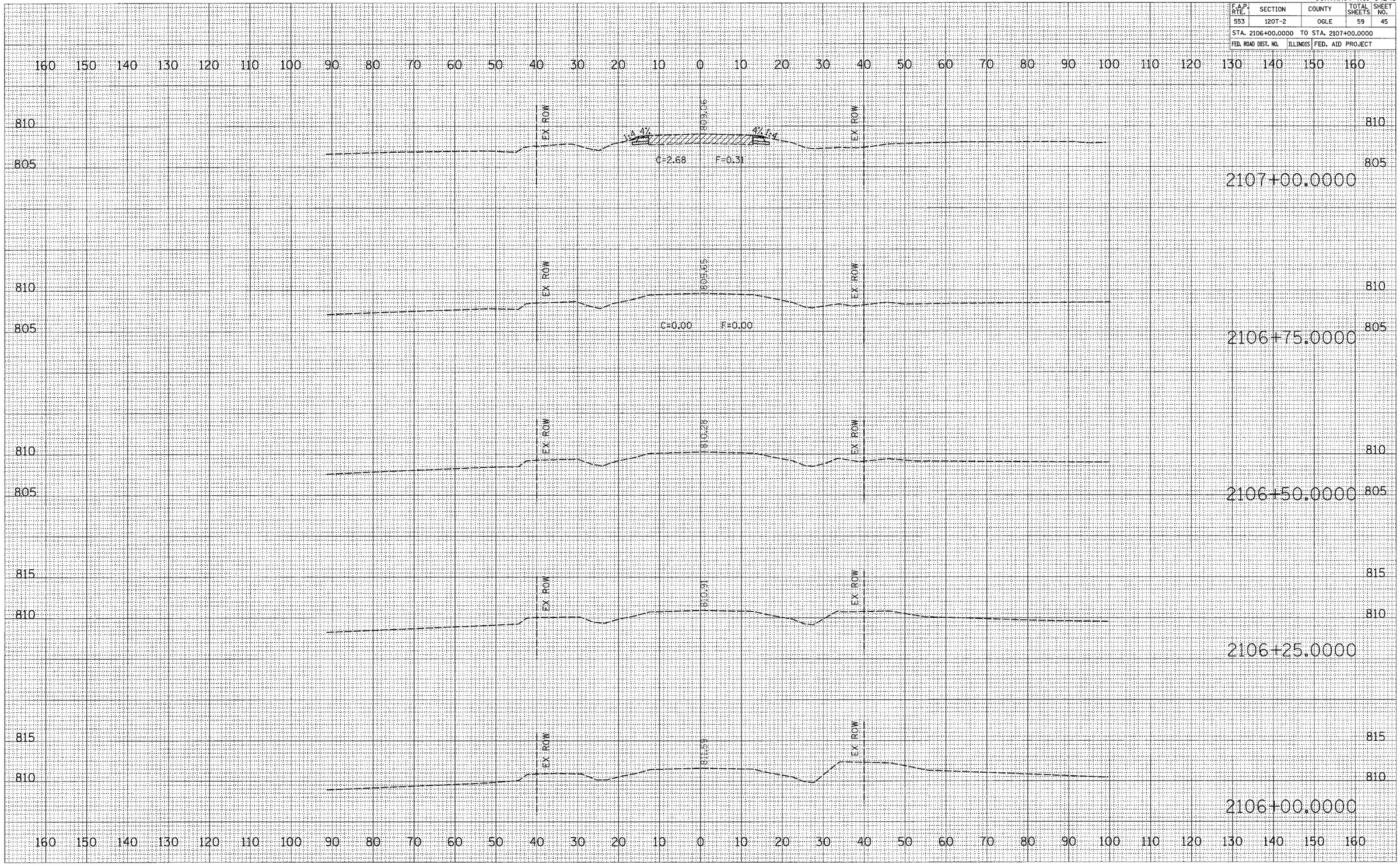
DETAILS OF PLANTING AND BRACING TREES **92.1**

REVISED 10-15-04

CONTRACT NO. 64B43

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
553	120T-2	OGLE	59	45
STA. 2106+00.0000 TO STA. 2107+00.0000				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



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

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

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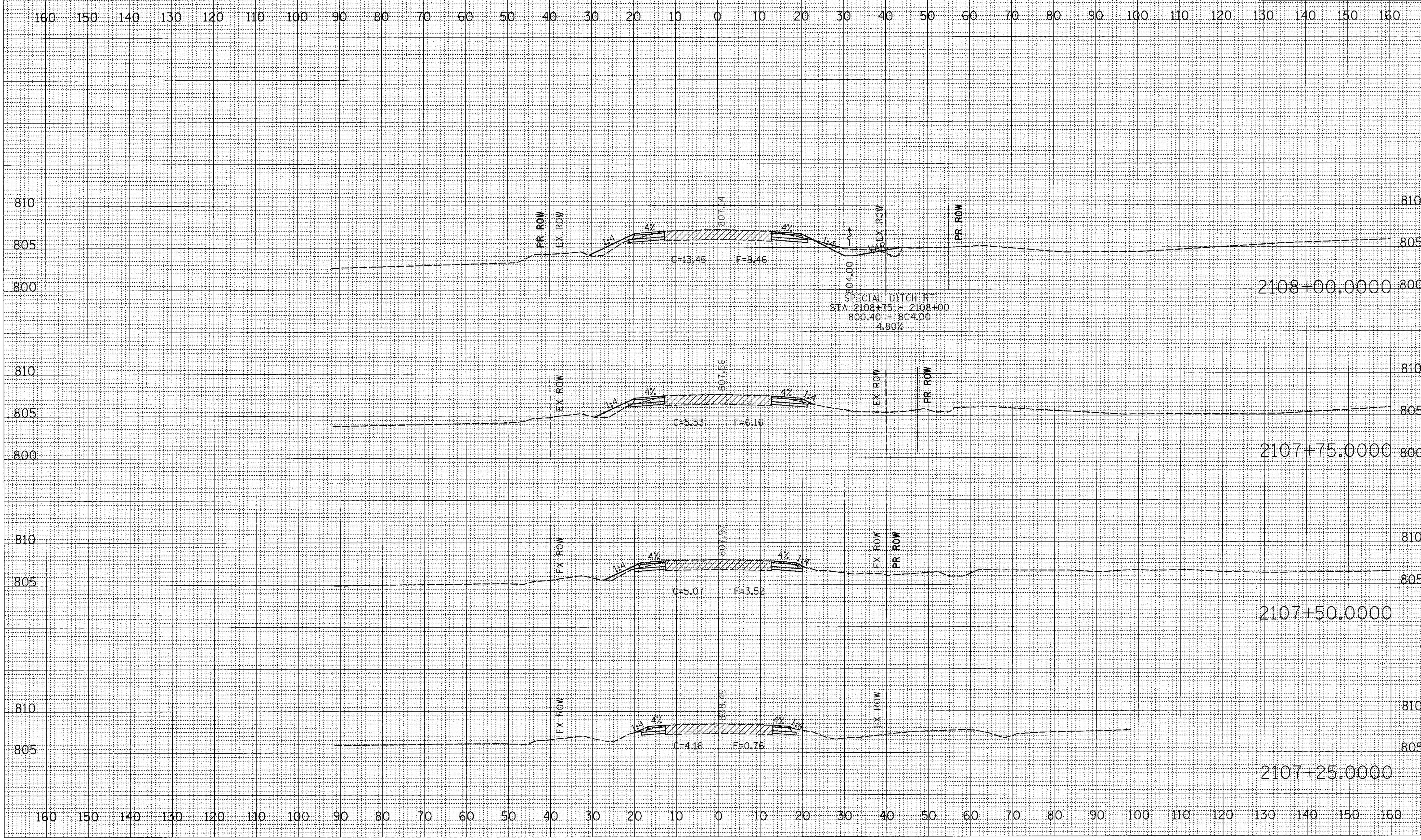
IL RTE 72

CONTRACT NO. 64B43

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
553	120T-2	OGLE	59	46
STA. 2107+25.0000 TO STA. 2108+00.0000				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



IL RTE 72

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		PLOTTED		
		TEMPLATE		
		AREAS		
		AREAS CHECKED		

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

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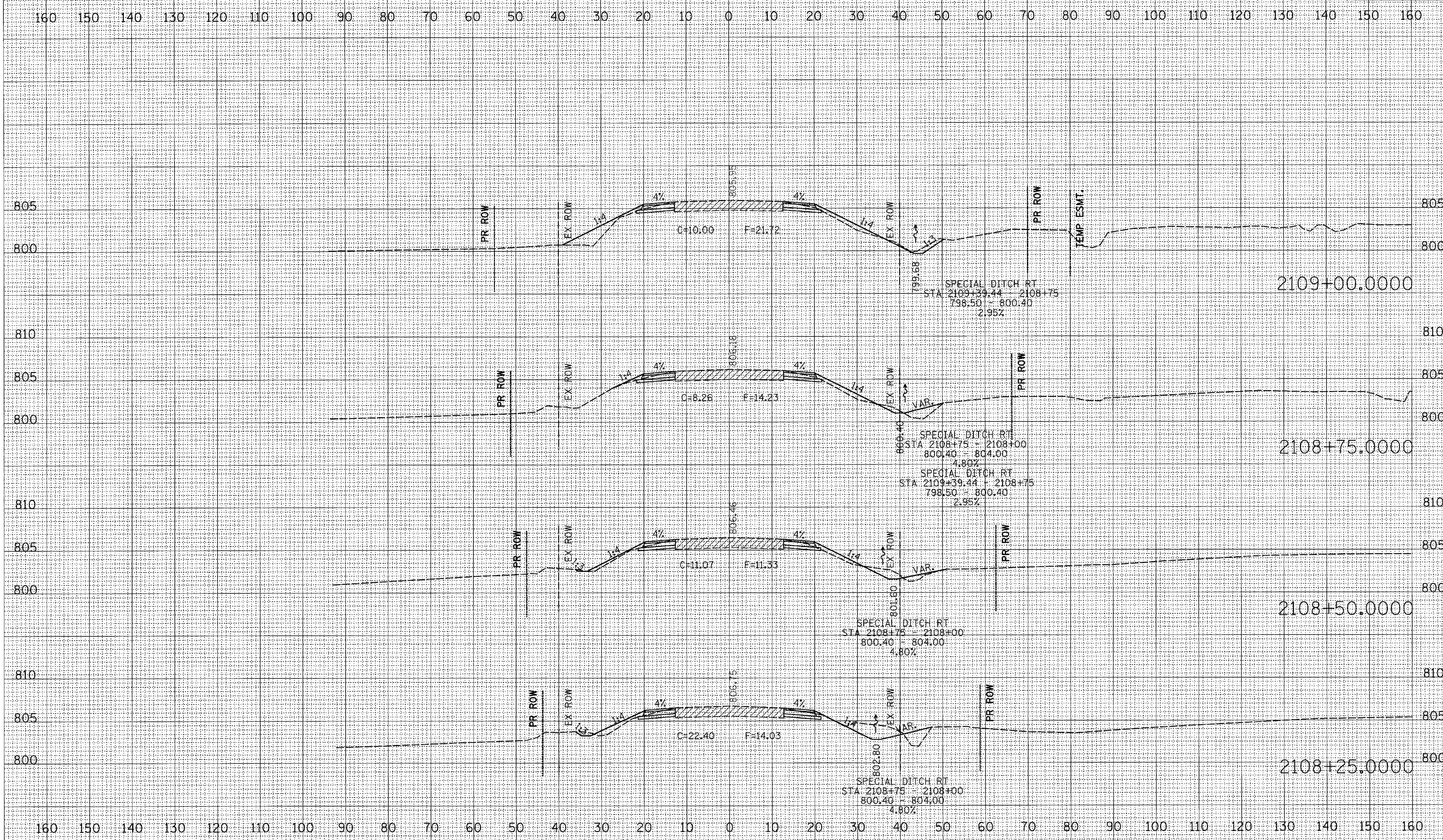
CONTRACT NO. 64B43

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
553	120T-2	OGLE	59	47

STA. 2108+25.0000 TO STA. 2109+00.0000

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



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

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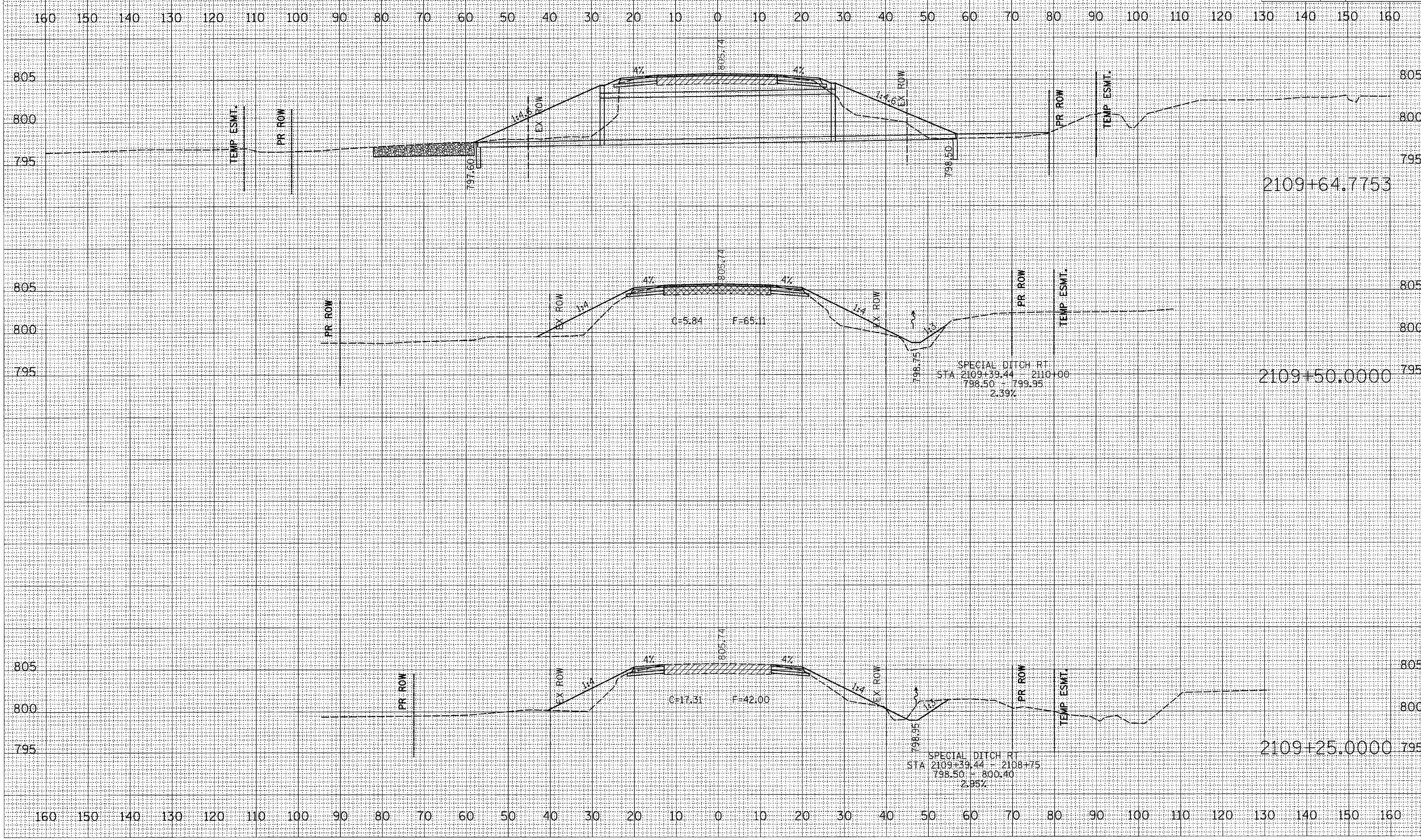
IL RTE 72

CONTRACT NO. 64B43

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
553	120T-2	OGLE	59	48

STA. 2109+25.0000 TO STA. 2109+64.7753

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



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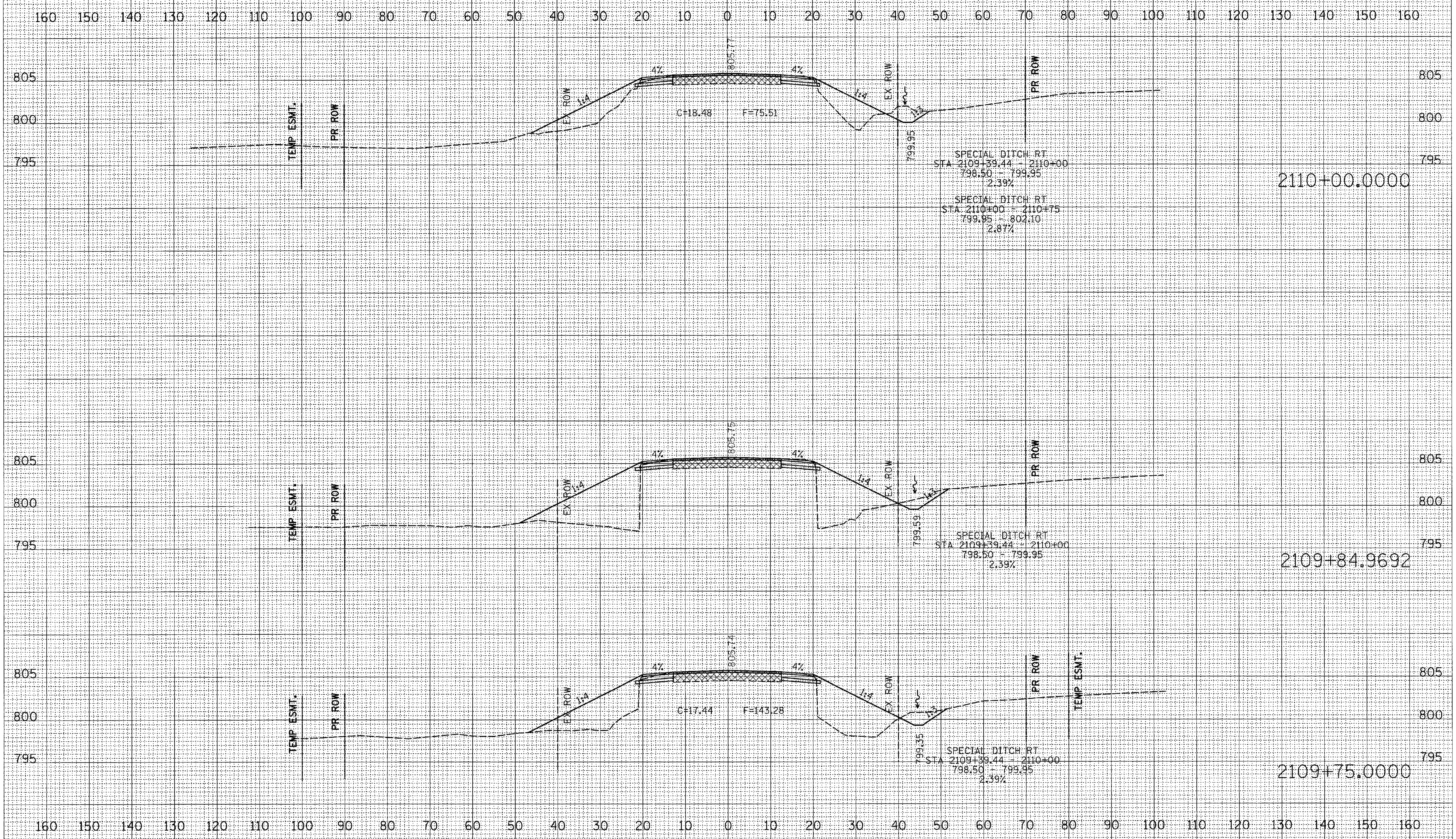
IL RTE 72

CONTRACT NO. 64B43

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
553	120T-2	OGLE	59	49

STA. 2109+75.0000 TO STA. 2110+00.0000

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



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

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IL RTE 72

CONTRACT NO. 64B43

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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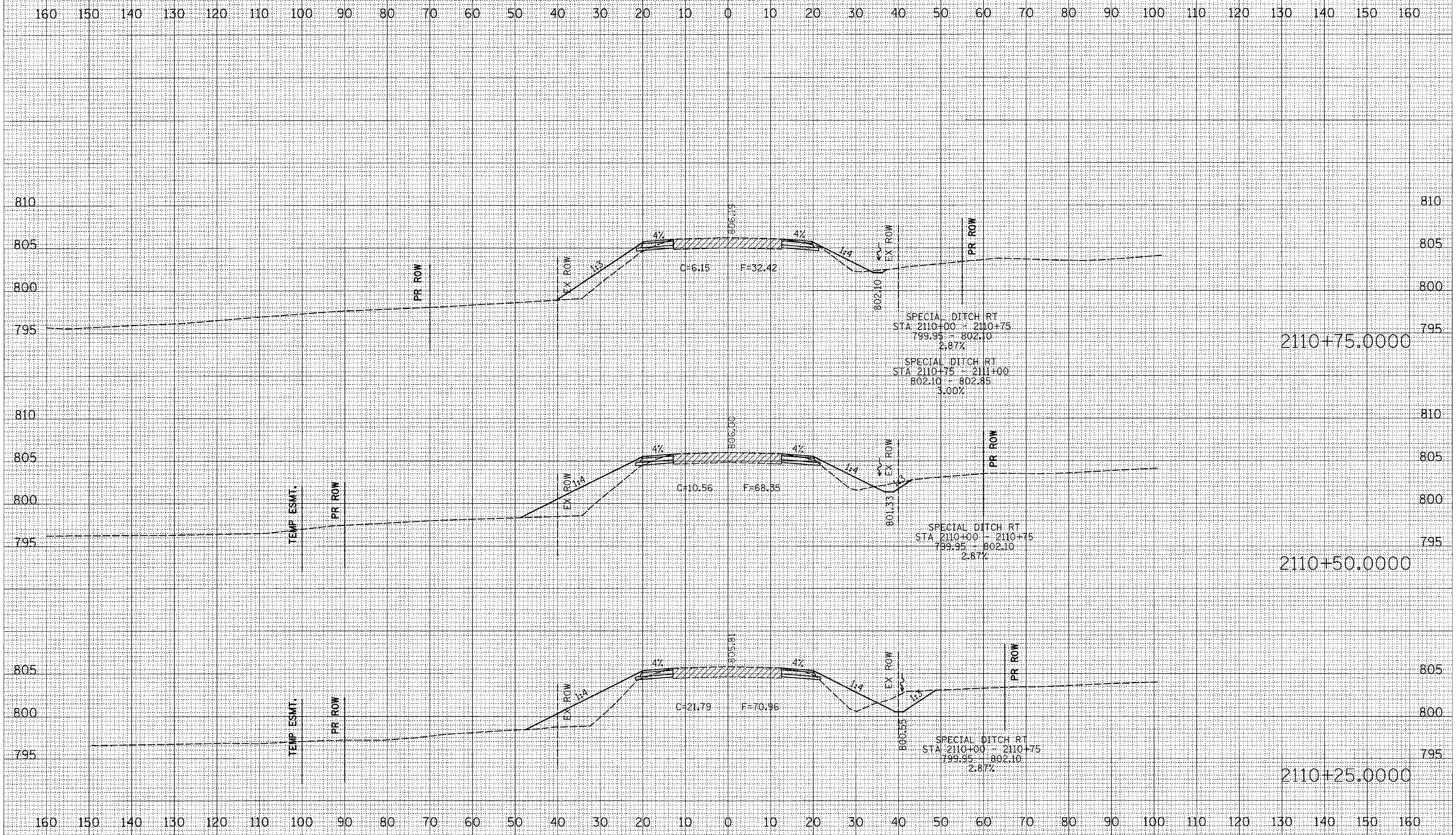
STA. 2110+25.0000 TO STA. 2110+75.0000				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



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

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IL RTE 72

CONTRACT NO. 64B43

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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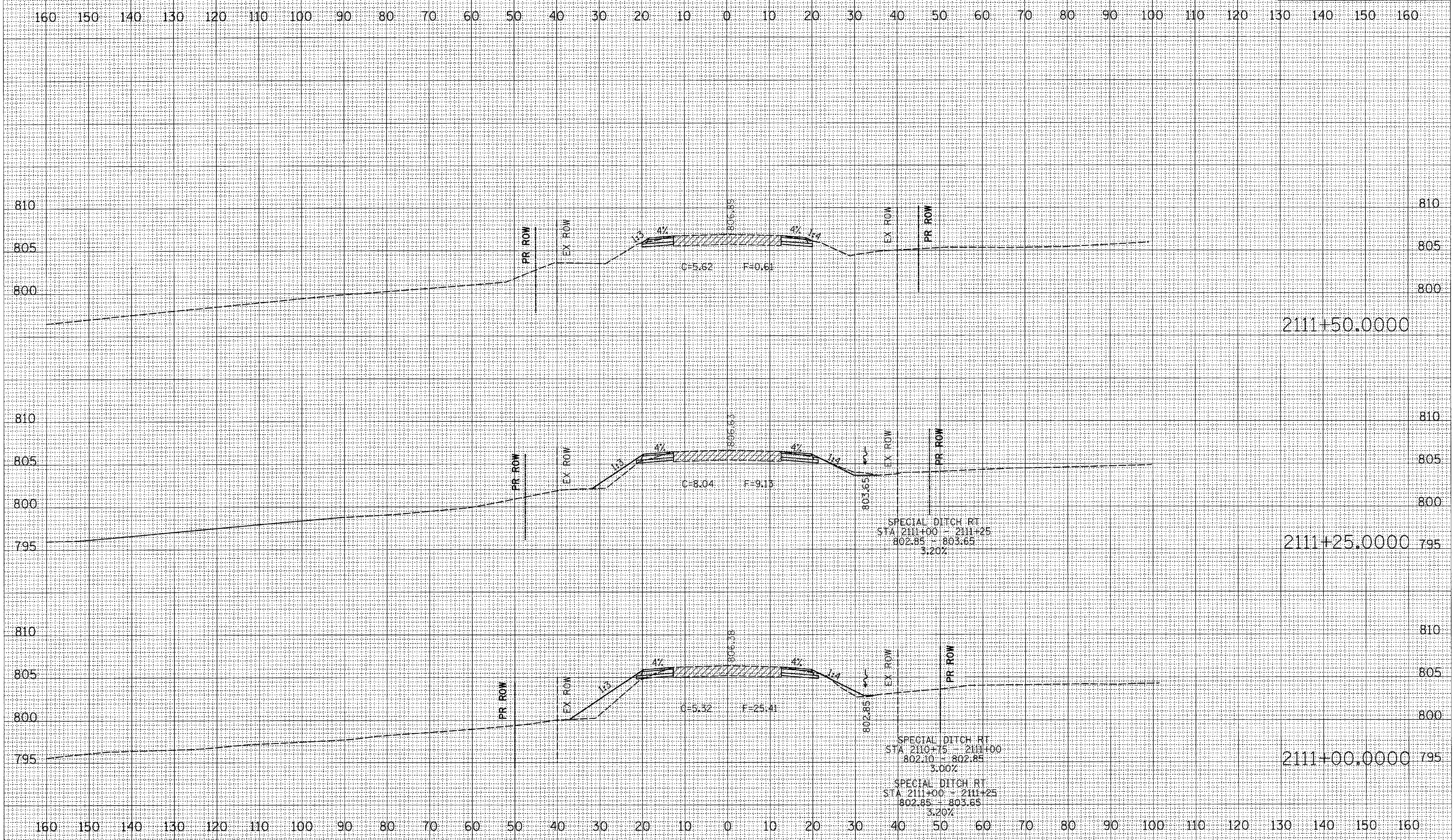
STA. 2111+00.0000 TO STA. 2111+50.0000				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



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

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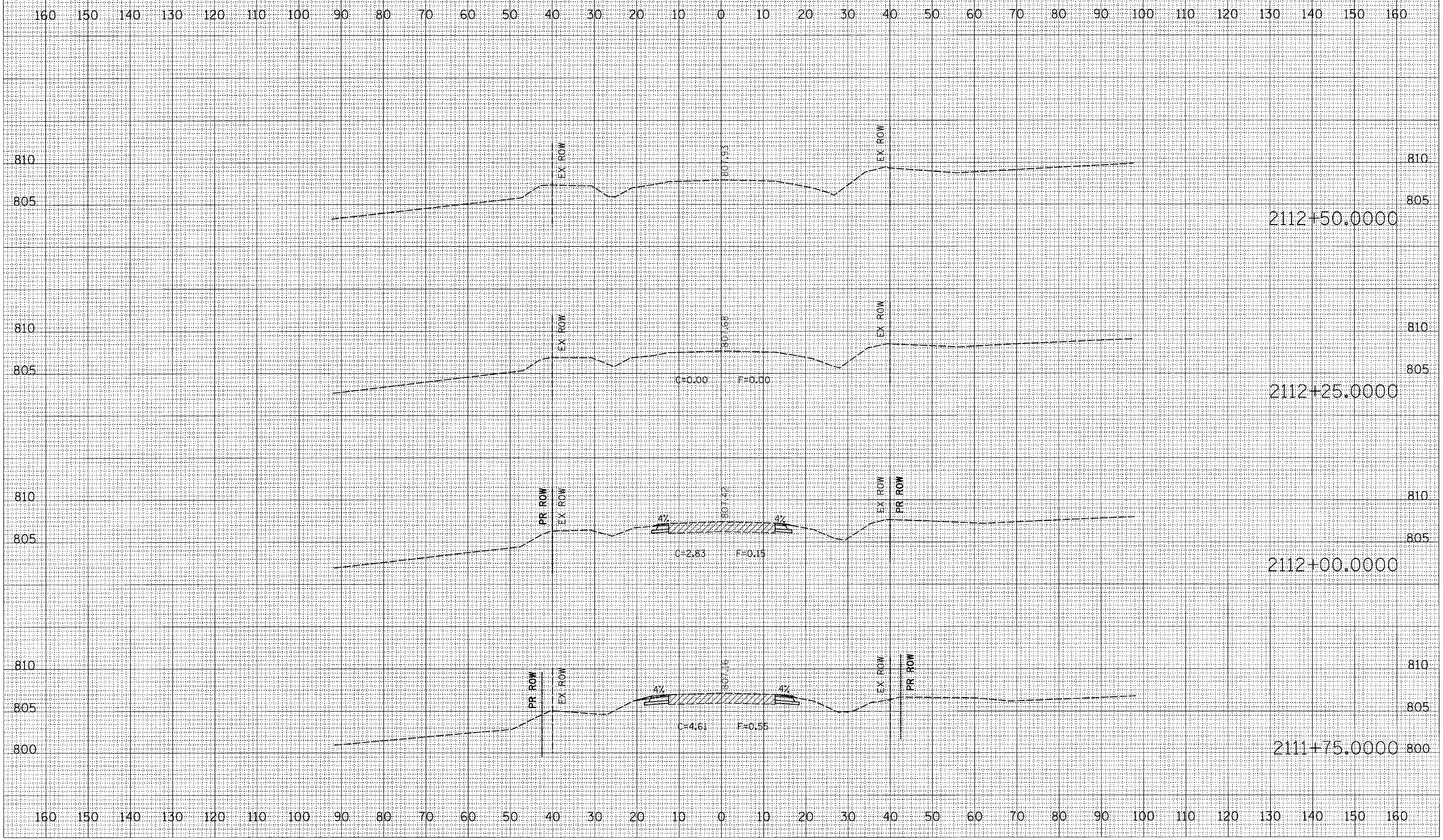
CONTRACT NO. 64B43

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
553	120T-2	OGLE	59	52

STA. 2111+75.0000 TO STA. 2112+50.0000

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



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NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
	AREAS		
	AREAS CHECKED		

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

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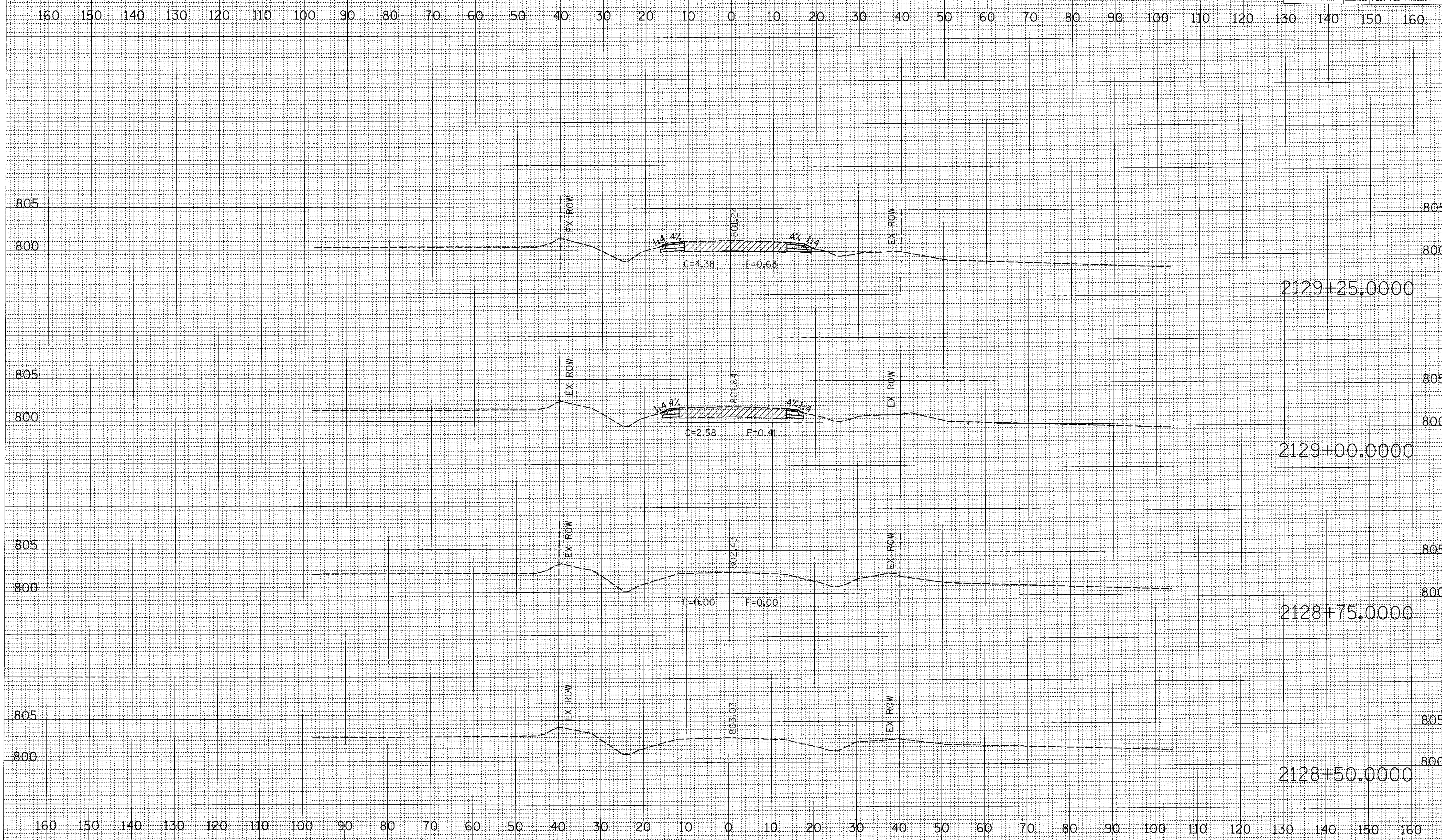
IL RTE 72

CONTRACT NO. 64B43

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
553	120T-2	OGLE	59	53

STA. 2128+50.0000 TO STA. 2129+25.0000

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



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

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

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IL RTE 72

CONTRACT NO. 64B43

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
553	120T-2	OGLE	59	54

STA. 2129+50.0000 TO STA. 2130+25.0000

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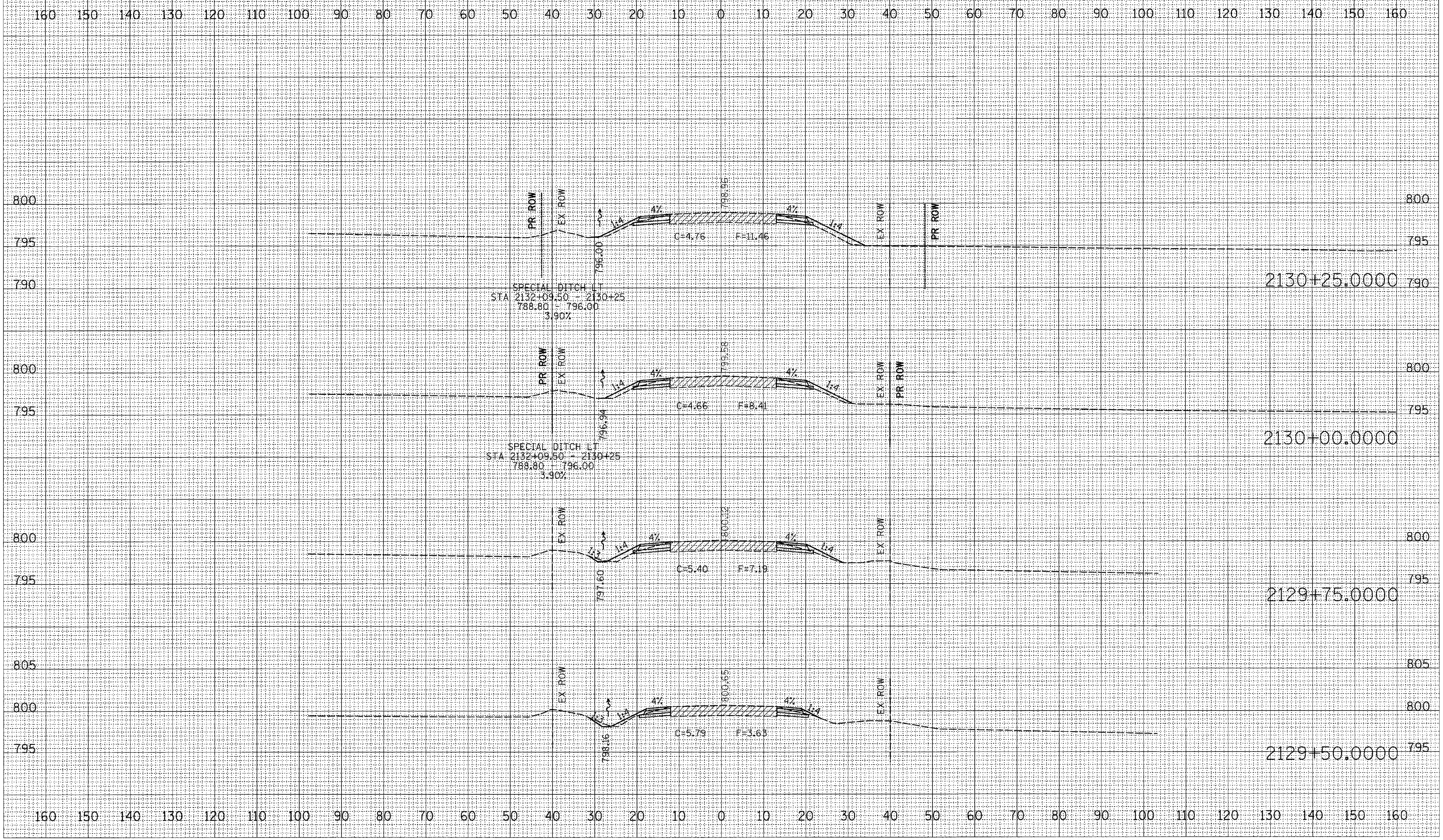

IL RTE 72

CONTRACT NO. 64B43

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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STA. 2130+50.0000 TO STA. 2131+23.2304				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160

800 795 790

796.85

4% 4%

1:4 1:4

SPECIAL DITCH LT
STA 2132+09.50 - 2130+25
788.80 - 796.00
3.90%

2131+23.2304

793.08

793.38

PR ROW EX ROW

C=5.30 F=23.62

EX ROW PR ROW TEMP ESMT.

2131+00.0000

794.05

797.81

C=5.11 F=17.64

2130+75.0000

795.03

798.35

C=4.83 F=15.56

2130+50.0000

IL RTE 72

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

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

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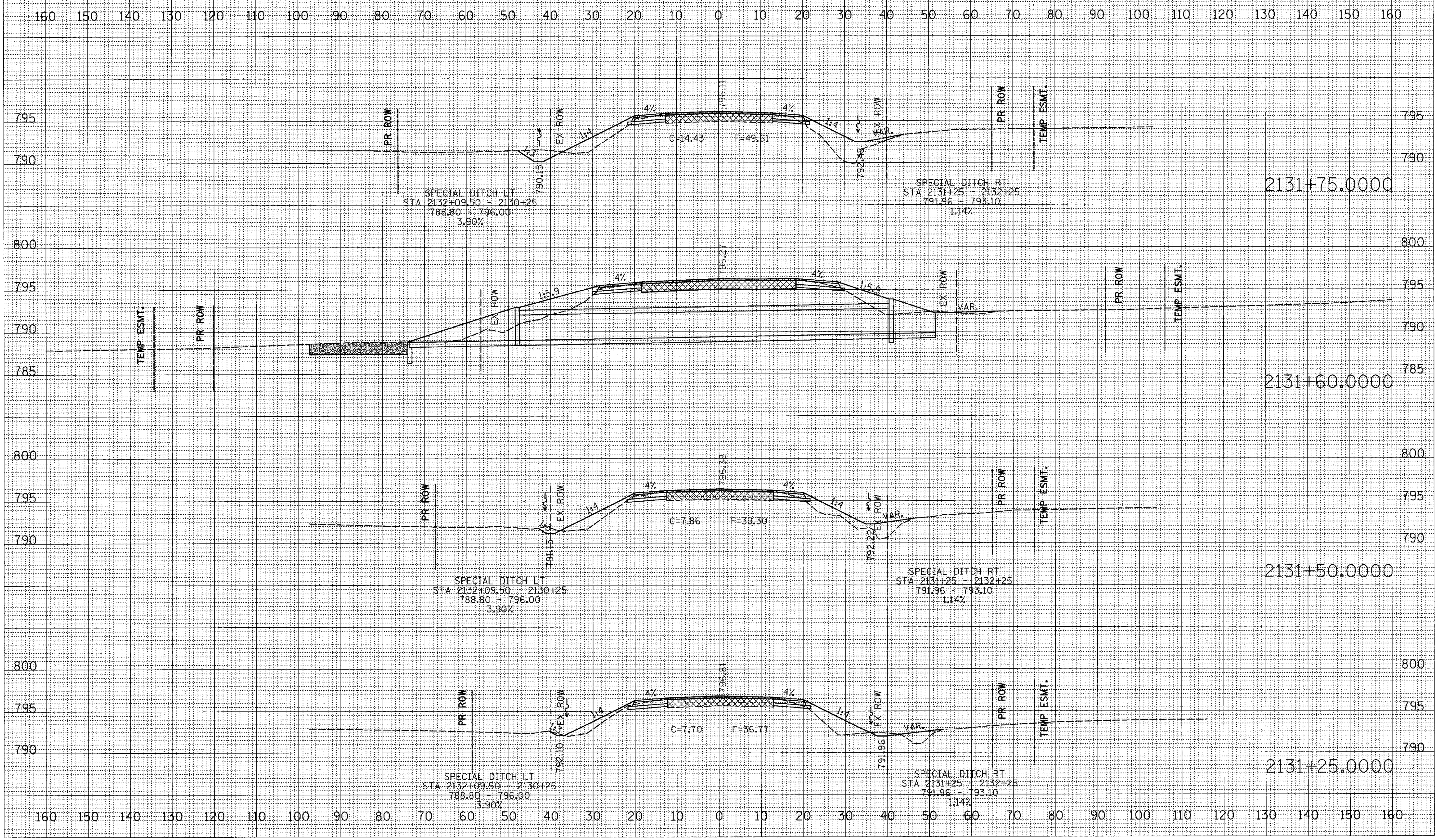
CONTRACT NO. 64B43

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
553	120T-2	OGLE	59	56
STA. 2131+25.0000 TO STA. 2131+75.0000				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



BY | DATE

FINAL SURVEY | NOTE BOOK NO. | SURVEYED | PLOTTED | TEMPLATE | AREAS | AREAS CHECKED

BY | DATE

ORIGINAL SURVEY | NOTE BOOK NO. | SURVEYED | PLOTTED | TEMPLATE | AREAS | AREAS CHECKED

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IL RTE 72

CONTRACT NO. 64B43

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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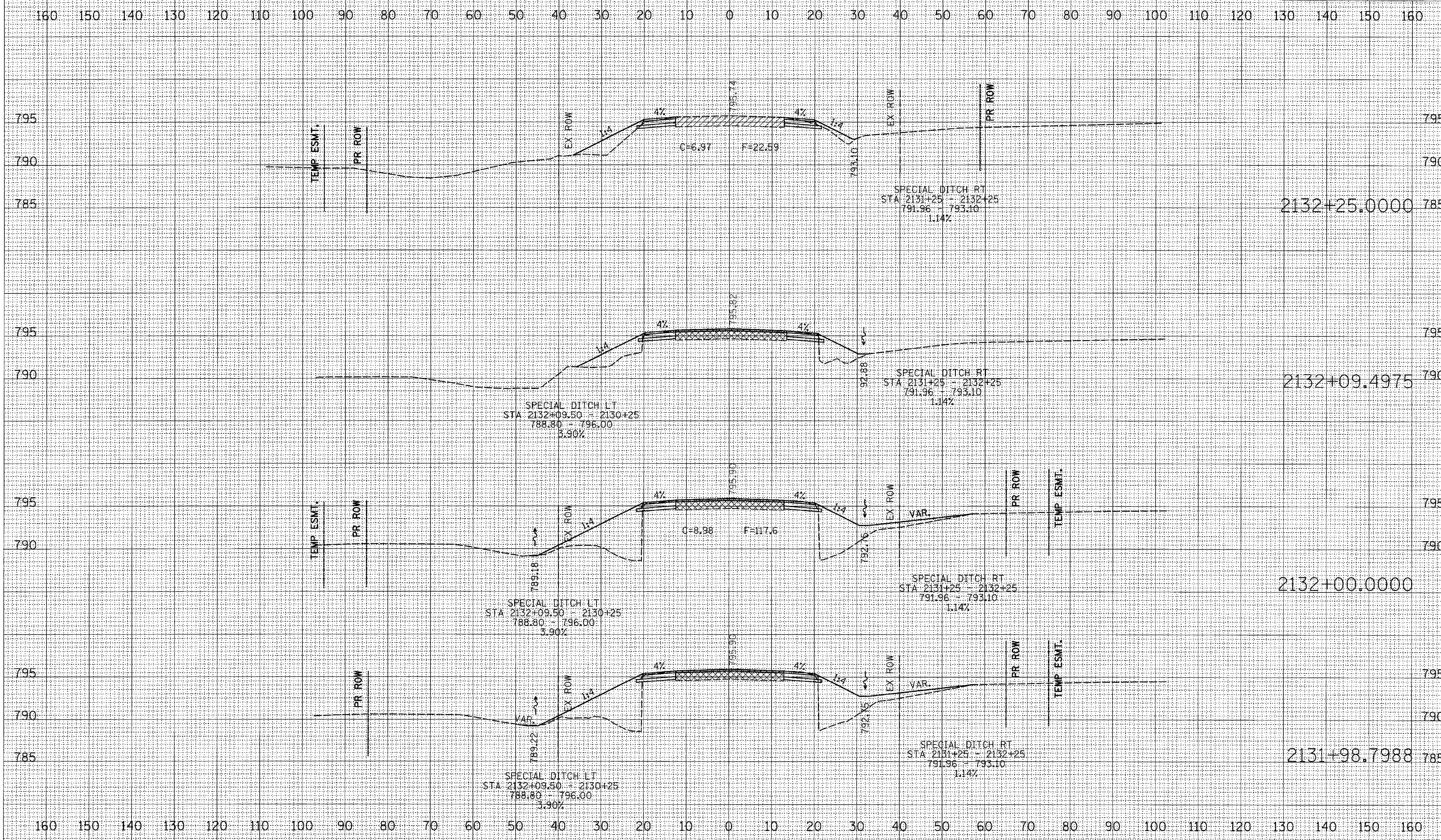
STA. 2131+98.7988 TO STA. 2132+25.0000				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



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IL RTE 72

CONTRACT NO. 64B43

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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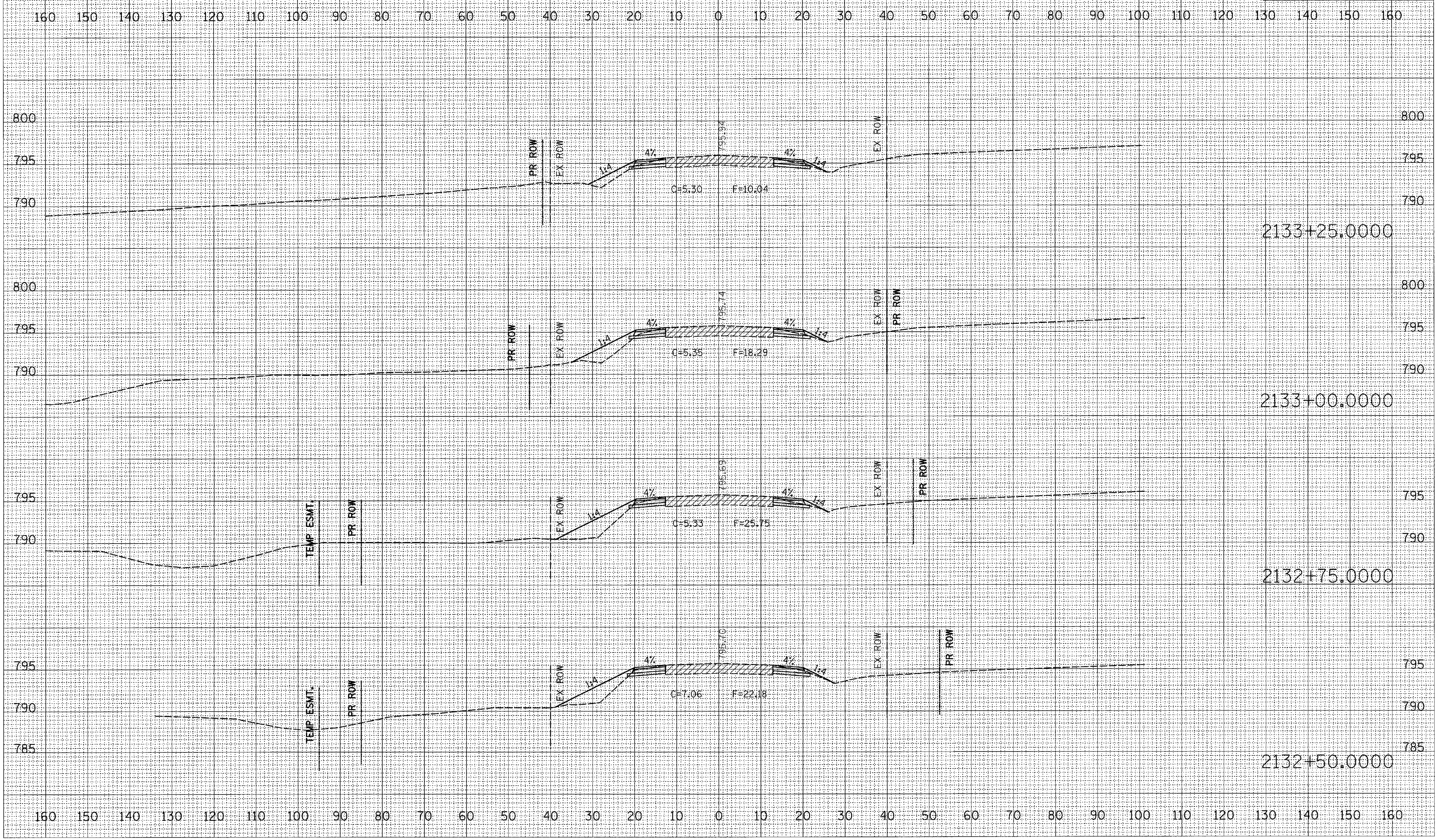
STA. 2132+50.0000 TO STA. 2133+25.0000				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



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

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IL RTE 72

CONTRACT NO. 64B43

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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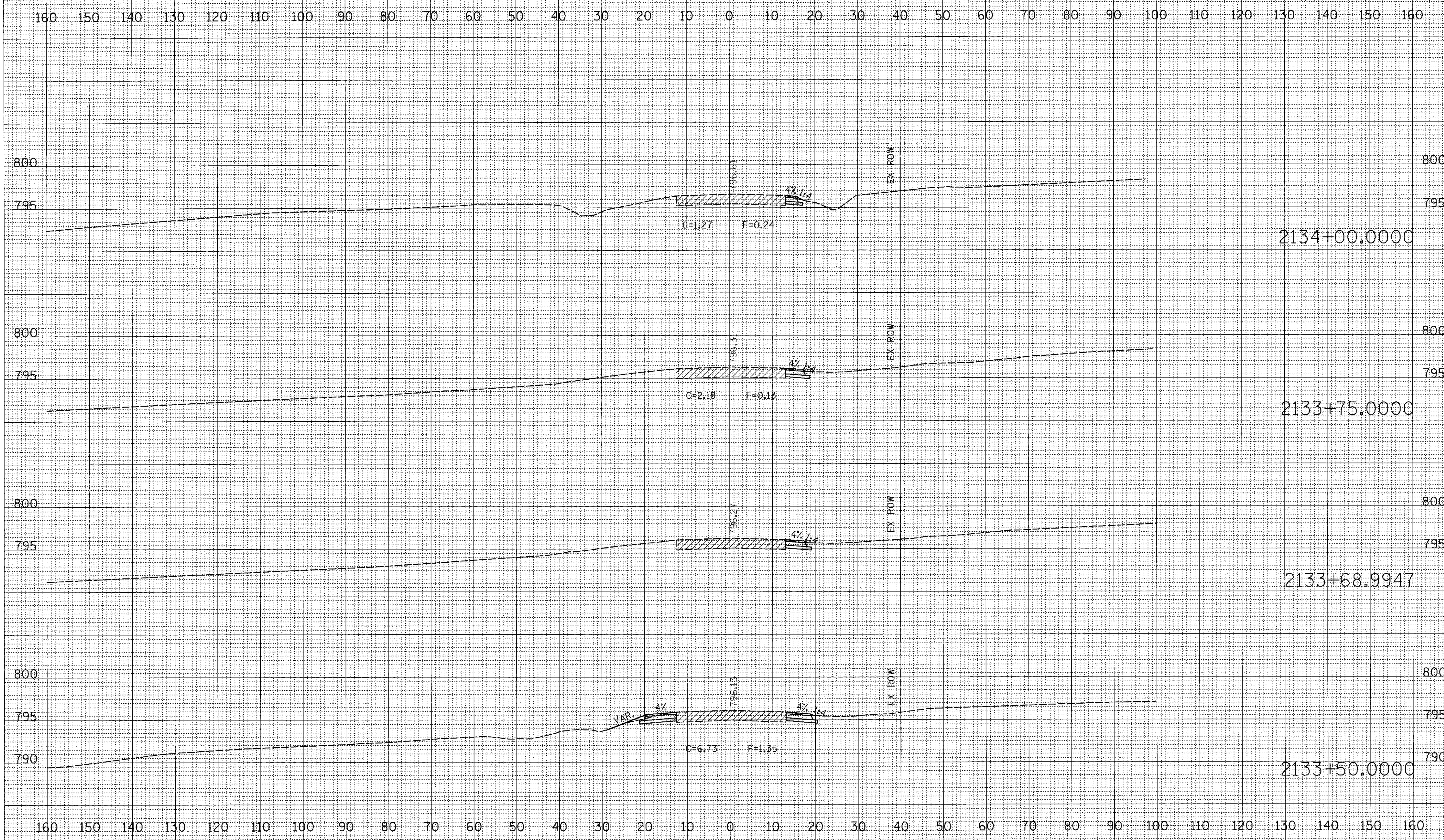
STA. 2133+50.0000 TO STA. 2134+00.0000

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



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

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

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IL RTE 72