CONTRACT NO. 64979

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2076	101T-1	CARROLL	31	1

11-7-08 Letting, Item 017

FOR INDEX OF SHEETS, SEE SHEET NO. 2

FOR LIST OF STANDARDS, SEE SHEET NO. 2

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROPOSED
HIGHWAY PLANS

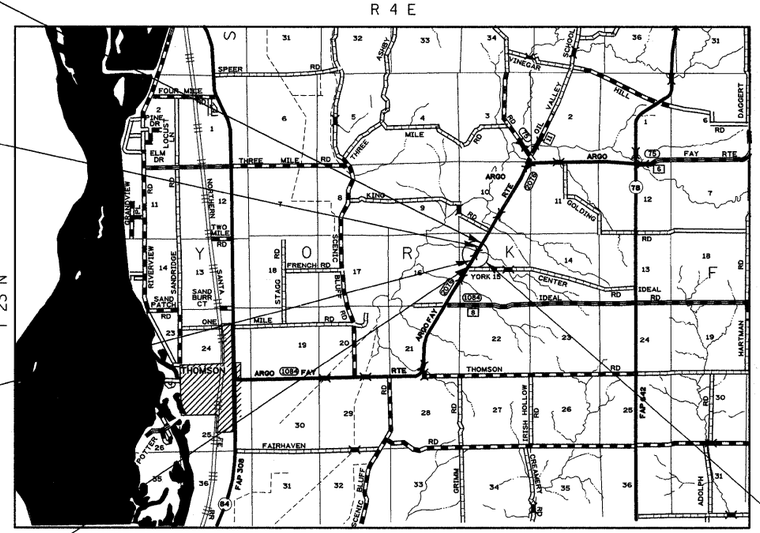
FAS ROUTE 2076 (ARGO FAY ROAD)
SECTION 101T–1
PROJECT ACRS-2076(103)
CARROLL COUNTY
C–92–094–08

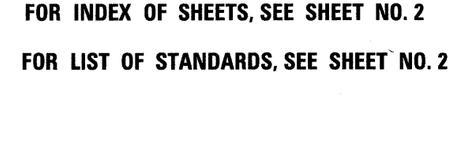
IMPROVEMENT ENDS
STA 250+00

SECTION ENDS
STA 246+47

SECTION BEGINS
STA 245+62

IMPROVEMENT BEGINS
STA 242+00





BOX CULVERT
STA 246+05

D–92–026–04

LOCATION OF SECTION INDICATED THUS: –

EXISTING 2–CELL 11' X 6' SN# 008–2002
PROPOSED 2–CELL 14' X 4' SN# 008–2020

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED August 8 20 08
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER
October 3, 20 08
Interim ENGINEER OF DESIGN AND ENVIRONMENT
October 3, 20 08
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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YORK TOWNSHIP, SECTION 15

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

NET LENGTH OF PROJECT = 85 FEET = 0.01 MILES

GROSS LENGTH OF PROJECT = 85 FEET = 0.01 MILES

CONTRACT NO. 64979

SQUAD LEADER: PAUL GRANT (815) 284–5904

PROJECT ENGINEER: REBECCA MARRUFFO

INDEX OF SHEETS

STATE STANDARDS

280001-04	Temporary Erosion Control Systems
420701-02	Pavement Fabric
420001-07	Pavement Joints
442101-07	Class B Patches
515001-02	Name Plates for Bridges
542401	Metal End Section for Pipe Culverts
635001	Delineators
666001	Right of Way Markers
667101	Permanent Survey Markers
701001-01	Off-Road Operations, 2L, 2W, More Than 4.5 m (15') Away
701006-02	Off-Road Operations, 2L, 2W, 4.5 m (15') to 600 mm (24*) From Pavement Edge
701301-02	Lane Closure, 2L, 2W, Short Time Operations
701901	Traffic Control Devices
720011	Metal Posts for Signs, Markers and Delineators
728001	Telescoping Steel Sign Support
729001	Applications of Types A and B Metal Posts (For Signs & Markers)
780001-01	Typical Pavement Markings
000001-05	Standard Symbols, Abbreviations and Patterns
001001-01	Areas of Reinforcement Bars
001006	Decimal of an Inch and of a Foot

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS

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

F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2076	101T-1	CARROLL	31	2
		CONTRACT NO. 64979		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

X028-2A

	CODE NUMBER	PAY ITEM	UNIT	80% FED 20% STATE TOTAL QUANTITY
	20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	26
	20200100	EARTH EXCAVATION	CU YD	1566
	20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	203
*	25000210	SEEDING, CLASS 2A	ACRE	0.72
*	25000310	SEEDING, CLASS 4	ACRE	0.22
● *	25000750	MOWING	ACRE	0.94
*	25100115	MULCH, METHOD 2	ACRE	0.94
	28000300	TEMPORARY DITCH CHECKS	EACH	22
	28000400	PERIMETER EROSION BARRIER	FOOT	300
	28000500	INLET AND PIPE PROTECTION	EACH	3
	28100107	STONE RIPRAP, CLASS A4	SQ YD	154
	28200200	FILTER FABRIC	SQ YD	154
	35102000	AGGREGATE BASE COURSE, TYPE B 8"	SQ YD	495
	40600625	LEVELING BINDER (MACHINE METHOD), N50	TON	17.2
	40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	300.6
	44213100	PAVEMENT FABRIC	SQ YD	246.0
	44201037	CLASS B PATCHES, TYPE IV, 15 INCH	SQ YD	246.0
	44213200	SAW CUTS	FOOT	163.0
	48101500	AGGREGATE SHOULDERS, TYPE B 6"	SQ YD	57.0
	48102100	AGGREGATE WEDGE SHOULDERS, TYPE B	TON	170.4
	50100300	REMOVAL OF EXISTING STRUCTURES NO. 1	EACH	1.0
	50100400	REMOVAL OF EXISTING STRUCTURES NO. 2	EACH	1.0
	50800105	REINFORCEMENT BARS	POUND	46560.0
	51500100	NAME PLATES	EACH	1
	54003000	CONCRETE BOX CULVERT	CU YD	239.1
	542D0223	PIPE CULVERTS, CLASS D, TYPE 1 18"	FOOT	36

● NP 100% STATE * SPECIALTY ITEMS

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

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

F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2076	101T-1	CARROLL	31	3
		CONTRACT NO. 64979		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

X028-2A

	CODE NUMBER	PAY ITEM	UNIT	80% FED. 20% STATE TOTAL QUANTITY
	542D0229	PIPE CULVERTS, CLASS D, TYPE 1 24"	FOOT	60
	542D0241	PIPE CULVERTS, CLASS D, TYPE 1 36"	FOOT	46
	54213453	END SECTIONS 18"	EACH	2
	54213459	END SECTIONS 24"	EACH	2
	54213471	END SECTIONS 36"	EACH	2
	61100500	EXPLORATION TRENCH 52" DEPTH	FOOT	100
	61133100	FIELD TILE JUNCTION VAULTS, 2' DIA	EACH	2
	61140000	STORM SEWERS, SPECIAL 8"	FOOT	100
	61140100	STORM SEWERS, SPECIAL 10"	FOOT	100
	61140200	STORM SEWERS, SPECIAL 12"	FOOT	100
	63200310	GUARDRAIL REMOVAL	FOOT	432
	63500105	DELINEATORS	EACH	4
	66600105	FURNISHING AND ERECTING RIGHT-OF-WAY MARKERS	EACH	12
	66700305	PERMANENT SURVEY MARKERS, TYPE II	EACH	2
	67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	2
	67100100	MOBILIZATION	L SUM	1
*	78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	5200
*	C2001748	SHRUB, CORNUS SERICEA CARDINAL (CARDINAL REDOSIER DOGWOOD), 4' HEIGHT, BALLED AND BURLAPPED	EACH	12
	Z0005400	BREAKER-RUN CRUSHED STONE	TON	430
	Z0013798	CONSTRUCTION LAYOUT	L SUM	1
	Z0017202	DOWEL BARS 1 1/2"	EACH	40
	Z0075300	TIE BARS	EACH	44
	X0322886	GRATING FOR BOX CULVERT, LOCATION 1	EACH	2
	X7013015	TRAFFIC CONTROL FOR ROAD CLOSURE	L SUM	1

* SPECIALTY ITEMS

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

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

F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2076	101T-1	CARROLL	31	4
		CONTRACT NO. 64979		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

GENERAL NOTES

ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
FAS 2076	101T-1	Carroll	31	5
FED ROAD DIST. NO.	ILLINOIS	PROJECT		
Contract #64979				

See cross sections for special ditches and backslopes.

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

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

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

Program #5
(Arch. SI
Enlarge
200%
Enlarge 107%

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.

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.

Closed expansion joints on jointed pavements shall be re-established during the patching operations. Class B Patches - when the pavement requires patching at the location of the expansion joint, a new joint should be established using a dowelled expansion patch as shown on Highway Standard 442101. When the joint is closed, but does not require patching, an expansion joint may be formed by sawing the pavement and filling the saw cut with a preformed expansion joint filler meeting the requirements of Section 1051 of the Standard Specifications as shown on Standard 420001.

All mandatory joint sealing for Class A, Class B, and Class B (Hinge Jointed) patches as shown on the plans will not be measured for payment. Optional sawing of the joint for the sealant reservoir will not be measured for payment.

For all concrete patching that will not be resurfaced, the concrete shall be struck off flush with the existing pavement surface at each end of the patch.

The Engineer reserves the right to check all patches for smoothness by the use of a 10' rolling straight edge set to a 3/16" tolerance in the wheel paths. Any patch areas higher than 3/16" must be ground smooth with an approved grinding device consisting of multiple saws. The use of bushhammer or other impact devices will not be permitted. Any patch with depressions greater than 3/16" shall be repaired in a manner approved by the Engineer.

The mandatory saw cuts for pavement patching are:

Class A Patch: Cut two transverse saw cuts at each end of the patch; one full depth and one partial depth. The longitudinal edges of the patch shall be cut full depth. When the patch is adjacent to a pcc shoulder, two saw cuts along the shoulder will be required.

Class B Patch: Cut two transverse saw cuts outlining the patch and one transverse pressure relief saw cut. The longitudinal edges of the patch shall be cut full depth. When the patch is adjacent to a pcc shoulder, two saw cuts along the shoulder will be required.

The mandatory saw cuts will be paid for at the contract unit price per Meter (Foot) for SAW CUTS.

The following Mixture Requirements are applicable for this project:

Mixture Uses(s):	Leveling Binder (MM)	Surface	
PG:	PG 64-22	PG 64-22	
Design Air Voids	4.0 @ N50	4.0 @ N50	
Mixture Composition (Gradation Mixture)	IL 9.5	IL 9.5 or 12.5	
Friction Aggregate	N/A	C	
20 Year ESAL	0.3	0.3	

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

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 LEVELING BINDER (MACHINE METHOD) of the type specified.

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

The new number for this structure will be 008-2020.

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

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

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

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

A Precast Box Culvert is not an option on the project due to soil conditions.

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

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

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

GENERAL NOTES

ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
FAS 2076	101T-1	Carroll	31	6
FED ROAD DIST. NO.	ILLINOIS	PROJECT		
Contract #64979				

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.

Program #5
(Arch. S/
Enlarge
200%
Enlarge 107%

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: 2 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:

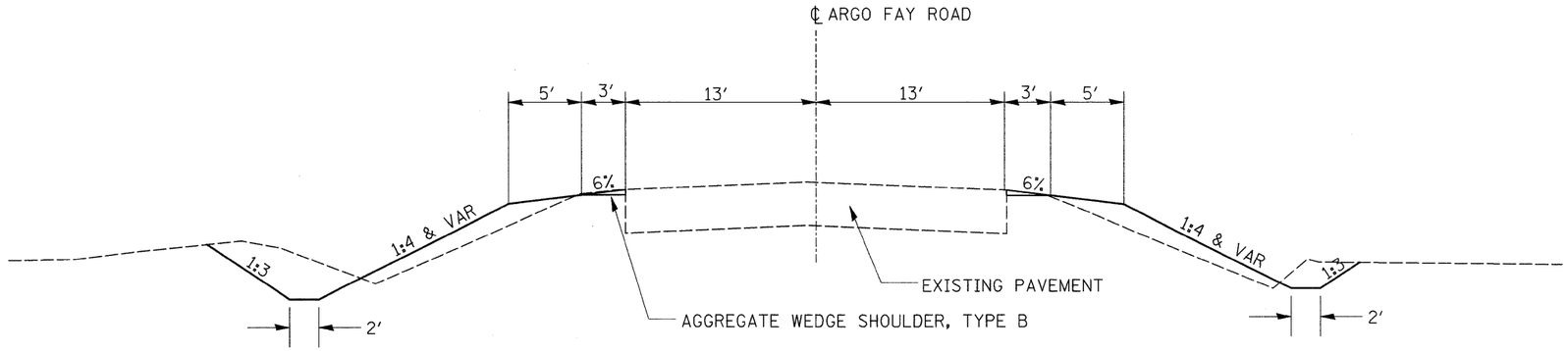
AT&T Communications, Inc.	Gallatin River Communications
Alliant Energy	AT&T Cable of Iowa

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.

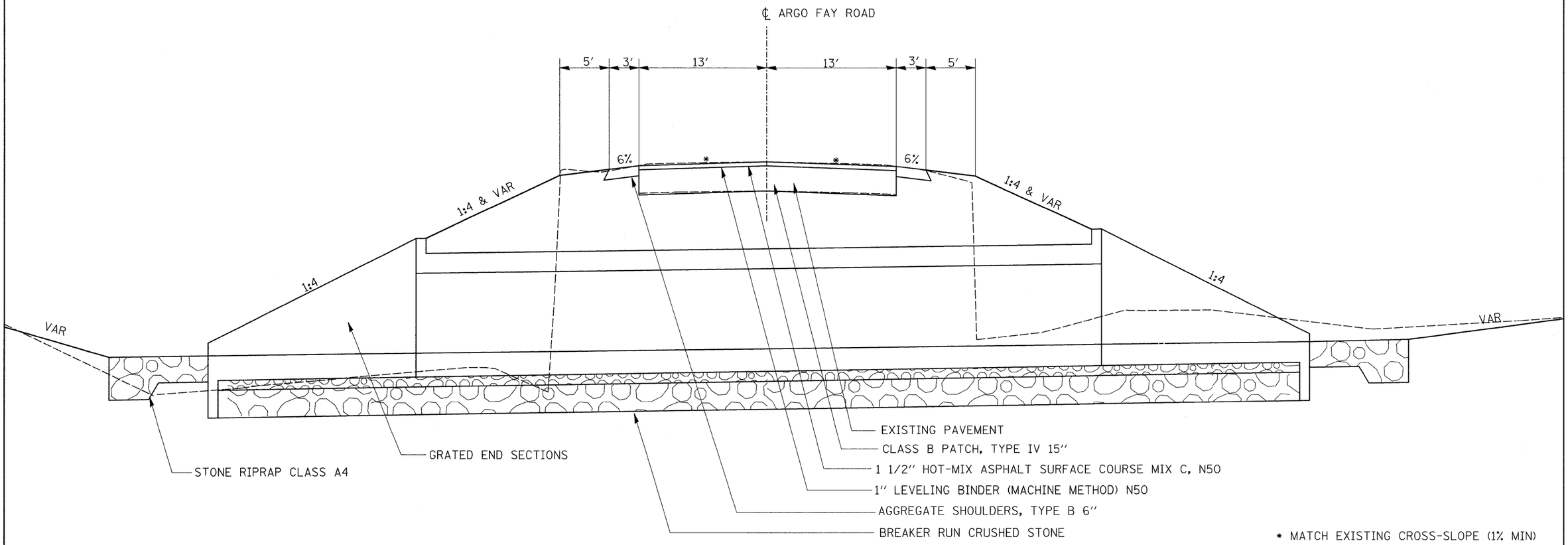
Per SB 699 (90 day utility relocation law), once right-of-way is clear to award the project, a notice will be sent to the utility companies instructing them to have their facilities relocated within 90 days. Estimated date relocation complete = Letting Date + 135 days.

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.

STA 242+00 - STA 245+62
STA 246+47 - STA 250+00



STA 245+62 - STA 246+47



* MATCH EXISTING CROSS-SLOPE (1% MIN)
** 112 LB/SY/IN

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTION

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

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2076	101T-1	CARROLL	30	7
		CONTRACT NO. 64979		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

20100110 TREE REMOVAL (6 TO 15 UNITS DIAMETER)

UNITS	LOCATION			REMARKS
26.0	LT & RT Sta	246+05.0		ENTIRE PROJECT
26.0	TOTAL			

20200100 EARTH EXCAVATION

CU. YD.	LOCATION				REMARKS
1466.0	LT & RT Sta	242+00.0	TO	250+00.0	ENTIRE PROJECT
100.0	LT & RT Sta	246+05.0			ESTIMATED U/S & D/S CHANNEL EXCAVATION
1566.0	TOTAL				

25000210 SEEDING, CLASS 2A

ACRE	LOCATION				REMARKS
0.37	LT Sta.	242+00.0	TO	250+00.0	
0.35	RT Sta.	242+00.0	TO	250+00.0	
0.72	TOTAL				

25000310 SEEDING, CLASS 4

ACRE	LOCATION				REMARKS
0.12	LT Sta.	242+00.0	TO	250+00.0	
0.10	RT Sta.	242+00.0	TO	250+00.0	
0.22	TOTAL				

25100115 MULCH, METHOD 2

ACRE	LOCATION				REMARKS
0.49	LT Sta.	242+00.0	TO	250+00.0	
0.45	RT Sta.	242+00.0	TO	250+00.0	
0.94	TOTAL				

28000300 TEMPORARY DITCH CHECKS

EACH	LOCATION				REMARKS
5	RT Sta.	242+00.0	TO	246+05.0	
3	LT Sta.	242+00.0	TO	246+05.0	
7	RT Sta.	250+00.0	TO	246+05.0	
7	LT Sta.	250+00.0	TO	246+05.0	
22	TOTAL				

28000400 PERIMETER EROSION BARRIER

FOOT	LOCATION				REMARKS
300	LT Sta.	242+00.0	TO	250+00.0	ENTIRE PROJECT
300	TOTAL				

28000500 INLET PIPE PROTECTION

EACH	LOCATION		REMARKS
1	LT Sta.	243+00.0	
1	RT Sta.	244+20.0	
1	LT Sta.	245+05.0	
3	TOTAL		

28100107 STONE RIPRAP, CLASS A4

SQ. YD.	LOCATION		DIMENSION	REMARKS
77.0	RT Sta.	246+05.0	693 SQ FT	D/S End of Culvert
77.0	LT Sta.	246+05.0	693 SQ FT	U/S End of Culvert
154.0	TOTAL			

28200200 FILTER FABRIC

SQ. YD.	LOCATION		DIMENSION	REMARKS
77.0	RT Sta.	246+05.0	693 SQ FT	D/S End of Culvert
77.0	LT Sta.	246+05.0	693 SQ FT	U/S End of Culvert
154.0	TOTAL			

35102000 AGGREGATE BASE COURSE, TYPE B 8"

SQ. YD.	LOCATION		THICKNESS (In)	REMARKS
100.0	LT Sta.	243+25.0	8.0	Field Entrance
158.0	RT Sta.	244+50.0	8.0	Field Entrance
237.0	LT Sta.	245+42.0	8.0	Field Entrance
495.0	TOTAL			

40600625 LEVELING BINDER (MACHINE METHOD), N50

TON	LOCATION				THICKNESS (in)	REMARKS
8.60	LT Sta.	245+62.0	TO	246+47.0	1.0	85 x 13 - One Lane - CLASS B PATCH
8.60	RT Sta.	245+62.0	TO	246+47.0	1.0	85 x 13 - One Lane - CLASS B PATCH
17.20	TOTAL					

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

TON	LOCATION				THICKNESS (in)	REMARKS
10.30	Sta.	245+62.0	TO	246+47.0	1.5	85 x 13 - One Lane - CLASS B PATCH
10.30	Sta.	245+62.0	TO	246+47.0	1.5	85 x 13 - One Lane - CLASS B PATCH
147.00		IDEAL ROAD			1.5	Good neighbor Policy (as needed)
133.00		THOMSON ROAD			1.5	Good neighbor Policy (as needed)
300.60	TOTAL					

44213100 PAVEMENT FABRIC

SQ. YD.	LOCATION				REMARKS
123.0	LT Sta.	245+62.0	TO	246+47.0	85 x 13 - One Lane
123.0	RT Sta.	245+62.0	TO	246+47.0	85 x 13 - One Lane
246.0	TOTAL				

44201037 CLASS B PATCHES, TYPE IV, 15 INCH

SQ. YD.	LOCATION				REMARKS
123.0	LT Sta.	245+62.0	TO	246+47.0	85 x 13 - One Lane
123.0	RT Sta.	245+62.0	TO	246+47.0	85 x 13 - One Lane
246.0	TOTAL				

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

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

F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2076	101T-1	CARROLL	31	8
		CONTRACT NO. 64979		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

44213200 SAW CUTS

FOOT	LOCATION			REMARKS
39.0	LT Sta.	245+62.0 TO	246+47.0	3 CUTS @ 13'
39.0	RT Sta.	245+62.0 TO	246+47.0	3 CUTS @ 13'
85.0	RT & LT Sta	245+62.0 TO	246+47.0	CENTERLINE CUT
163.0	TOTAL			

48101500 AGGREGATE SHOULDERS, TYPE B 6"

SQ YD	LOCATION			REMARKS
28.3	RT Sta.	245+62.0 TO	246+47.0	LIMITS OF PATCH AREA
28.3	LT Sta.	245+62.0 TO	246+47.0	LIMITS OF PATCH AREA
56.6	TOTAL			

48102100 AGGREGATE WEDGE SHOULDER, TYPE B

TON	LOCATION			REMARKS
20.6	RT Sta.	242+00.0 TO	245+62.0	3" WEDGE
20.6	RT Sta.	246+47.0 TO	250+00.0	3" WEDGE
20.6	LT Sta.	242+00.0 TO	245+62.0	3" WEDGE
20.6	LT Sta.	246+47.0 TO	250+00.0	3" WEDGE
42.0		IDEAL ROAD		1.5" WEDGE Good neighbor Policy (as needed)
46.0		THOMSON ROAD		1.5" WEDGE Good neighbor Policy (as needed)
170.4	TOTAL			

50100300 REMOVAL OF EXISTING STRUCTURES NO. 1

EACH	LOCATION		REMARKS
1	RT Sta.	244+50.0	EXISTING 3' X 2' BOX CULVERT UNDER FIELD ENTRANCE
1	TOTAL		

50100400 REMOVAL OF EXISTING STRUCTURES NO. 2

EACH	LOCATION		REMARKS
1	Sta.	246+05.0	EXISTING 2-CELL 11' X 6' BOX CULVERT
1	TOTAL		

50800105 REINFORCEMENT BARS

POUNDS	LOCATION		REMARKS
44640.0	Sta.	246+05.0	2-CELL 14' X 4' CAST-IN- PLACE BOX CULVERT
46560.0	TOTAL		

51500100 NAME PLATES

EACH	LOCATION		REMARKS
1.0	Sta.	246+05.0	2-CELL 14' X 4' CAST-IN- PLACE BOX CULVERT
1.0	TOTAL		

54003000 CONCRETE BOX CULVERT

CU. YD.	LOCATION		REMARKS
239.1	Sta.	246+05.0	2-CELL 14' X 4' CAST-IN- PLACE BOX CULVERT
239.1	TOTAL		

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

FOOT	LOCATION		REMARKS
36.0	LT. Sta.	243+25.0	FIELD ENTRANCE
36.0	TOTAL		

542D0229 PIPE CULVERTS CLASS D, TYPE 1, 24"

FOOT	LOCATION		REMARKS
60.0	LT. Sta.	245+42.0	FIELD ENTRANCE
60.0	TOTAL		

542D0241 PIPE CULVERTS CLASS D, TYPE 1, 36"

FOOT	LOCATION		REMARKS
46.0	RT. Sta.	244+50.0	FIELD ENTRANCE
46.0	TOTAL		

54213453 END SECTIONS 18"

EACH	LOCATION		REMARKS
2.0	LT. Sta.	243+25.0	FIELD ENTRANCE
2.0	TOTAL		

54213459 END SECTIONS 24"

EACH	LOCATION		REMARKS
2.0	LT. Sta.	245+42.0	FIELD ENTRANCE
2.0	TOTAL		

54213471 END SECTIONS 36"

EACH	LOCATION		REMARKS
2.0	RT. Sta.	244+50.0	FIELD ENTRANCE
2.0	TOTAL		

61100500 EXPLORATION TRENCH 52" DEPTH

FOOT	LOCATION		REMARKS
100.0	LT & RT. Sta	246+05.0	LOCATIONS TO BE DETERMINED IN FIELD
100.0	TOTAL		

61133100 FIELD TILE JUNCTION VAULTS, 2' DIA

EACH	LOCATION		REMARKS
2.0	LT & RT. Sta	246+05.0	LOCATIONS TO BE DETERMINED IN FIELD
2.0	TOTAL		

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

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

F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2076	101T-1	CARROLL	31	9
		CONTRACT NO. 64979		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

61140000 STORM SEWERS (SPECIAL) 8"

FOOT	LOCATION	REMARKS
100.0	LT & RT. Sta 246+05.0	LOCATIONS TO BE DETERMINED IN FIELD
100.0	TOTAL	

61140100 STORM SEWERS (SPECIAL) 10"

FOOT	LOCATION	REMARKS
100.0	LT & RT. Sta 246+05.0	LOCATIONS TO BE DETERMINED IN FIELD
100.0	TOTAL	

61140200 STORM SEWERS (SPECIAL) 12"

FOOT	LOCATION	REMARKS
100.0	LT & RT. Sta 246+05.0	LOCATIONS TO BE DETERMINED IN FIELD
100.0	TOTAL	

63200310 GUARDRAIL REMOVAL

FOOT	LOCATION			REMARKS
65.0	LT Sta.	244+59.0 TO	245+23.0	
165.0	LT Sta.	245+62.0 TO	247+26.0	
202.0	RT. Sta.	244+89.0 TO	246+91.0	
432.0	TOTAL			

63500105 DELINEATORS

EACH	LOCATION			REMARKS
4.0	RT & LT Sta	245+62.0 TO	246+47.0	AT BOX CULVERT
4.0	TOTAL			

66600105 FURNISHING AND ERECTING RIGHT-OF-WAY MARKERS

EACH	LOCATION		OFFSET (ft)	REMARKS
1	LT Sta.	242+50.0	40.58' LT	
1	LT Sta.	245+00.0	70' LT	
1	LT Sta.	245+75.0	110' LT	
1	LT Sta.	246+25.0	110' LT	
1	LT Sta.	247+00.0	75' LT	
1	LT Sta.	250+00.0	40' LT	
1	RT Sta.	243+25.0	45' RT	
1	RT Sta.	245+00.0	70' RT	
1	RT Sta.	245+85.0	95' RT	
1	RT Sta.	246+20.0	95' RT	
1	RT Sta.	247+00.0	70' RT	
1	RT Sta.	248+60.0	45' RT	
12.0	TOTAL			

66700305 PERMANENT SURVEY MARKERS TYPE II

EACH	LOCATION	REMARKS
2.0	ENTIRE JOB	
2.0	TOTAL	

78001110 PAINT PAVEMENT MARKING - LINE 4" (TWO COATS)

FOOT	LOCATION			REMARKS
1600.0	Sta.	242+00.0 TO	250+00.0	YELLOW CENTERLINE
3200.0	Sta.	242+00.0 TO	250+00.0	2 WHITE EDGE LINES
400.0	Sta.	242+00.0 TO	250+00.0	YELLOW SKIP DASH
5200.0	TOTAL			

Z0005400 BREAKER-RUN CRUSHED STONE

TON	LOCATION		REMARKS
430.0	Sta.	246+05.0	34' x 110' X 18" UNDER CULVERT
430.0	TOTAL		

Z0017202 DOWEL BARS 1 1/2"

EACH	LOCATION			REMARKS
40.0	Sta.	245+62.0 TO	246+47.0	PATCH AREA
40.0	TOTAL			

Z0075300 TIE BARS

EACH	LOCATION			REMARKS
44.0	Sta.	245+62.0 TO	246+47.0	PATCH AREA
44.0	TOTAL			

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		DRAWN -	REVISED -			2076	101T-1	CARROLL	31	10
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Chain ARGOFAYRD contains:
20 CUR 200 22

Beginning chain ARGOFAYRD description
==========

Point 20 N 1,933,156.11 E 2,330,616.58 Sta 197+23.77

COURSE FROM 20 TO PC 200 32° 53′ 21.66" DIST 3,817.43′

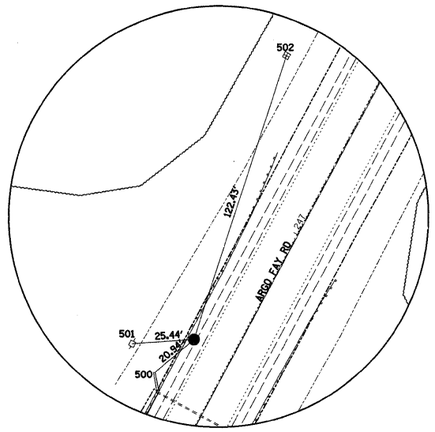
Curve Data

Curve 200
P.I. Station 238+51.42 N 1,936,622.19 E 2,332,857.98
DELTA = 4° 37′ 54.13" (LT)
DEGREE = 0° 44′ 48.92"
Tangent = 310.22′
Length = 620.11′
Radius = 7,670.93′
External = 6.27′
Long Chord = 619.94′
Mid. Ord. = 6.27′
P.C. Station 235+41.20 N 1,936,361.69 E 2,332,689.52
P.T. Station 241+61.30 N 1,936,895.44 E 2,333,004.85
C.C. N 1,940,527.14 E 2,326,248.08

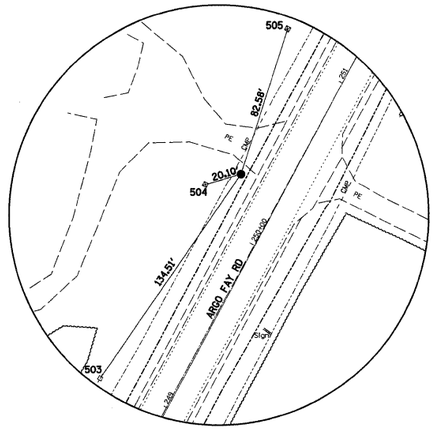
COURSE FROM PT 200 TO 22 28° 15′ 27.54" DIST 2,094.15′

Point 22 N 1,938,740.02 E 2,333,996.29 Sta 262+55.45

==========
Ending chain ARGOFAYRD description



HORIZONTAL CONTROL POINT NO. 1



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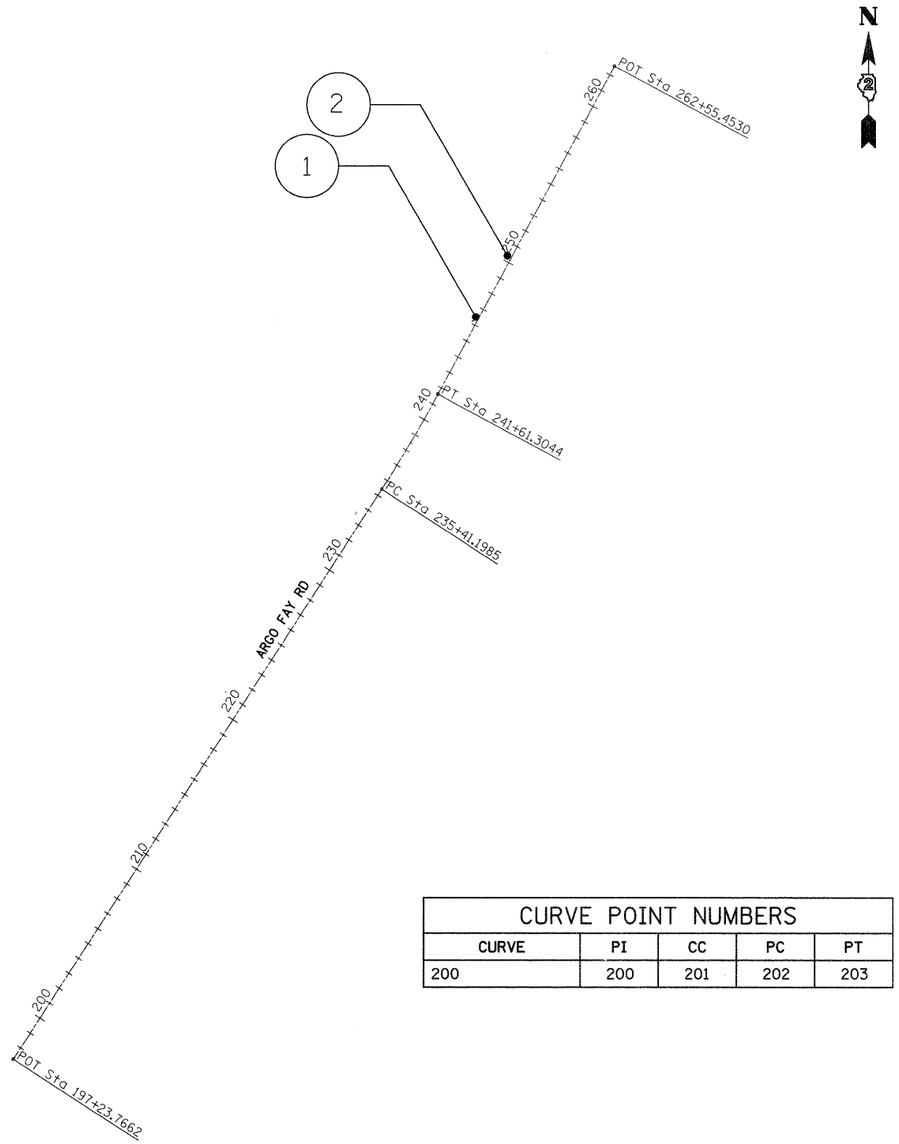

HORIZONTAL CONTROL POINTS							
POINT	NORTH	EAST	ELEVATION	CHAIN	STATION	OFFSET	DESCRIPTION
1	1937327.3379	2333217.1092	646.2357	ARGOFAYRD	246+42.2251	17.5093′ LT	HORIZONTAL CONTROL STATION
2	1937672.8860	2333394.3790	645.9178	ARGOFAYRD	250+30.5195	24.9606′ LT	HORIZONTAL CONTROL STATION

SURVEY WORK POINTS							
POINT	NORTH	EAST	ELEVATION	CHAIN	STATION	OFFSET	DESCRIPTION
100	1937594.5811	2332965.8752	640.4999	ARGOFAYRD	247+58.6767	365.3260′ LT	NAIL
101	1937171.8680	2332841.2724	640.4547	ARGOFAYRD	243+27.3478	274.9515′ LT	NAIL
102	1936805.9560	2333627.1635	653.0401	ARGOFAYRD	243+77.1126	590.5194′ RT	NAIL
103	1937463.0323	2333860.8377	654.2886	ARGOFAYRD	250+66.5135	485.2617′ RT	NAIL
104	1936858.1672	2334074.0255	650.2212	ARGOFAYRD	246+34.6627	959.4090′ RT	NAIL

BENCH MARKS							
POINT	NORTH	EAST	ELEVATION	CHAIN	STATION	OFFSET	DESCRIPTION
401	1937305.9114	2333201.8293	646.3581	ARGOFAYRD	246+16.1180	20.8242′ LT	VERTICAL CONTROL STATION

REFERENCE TIES				
POINT	CHAIN	STATION	OFFSET	DESCRIPTION
500	ARGOFAYRD	246+22.7280	25.1515′ LT	CORNER OF WINGWALL
501	ARGOFAYRD	246+28.6390	39.0208′ LT	POWER POLE
502	ARGOFAYRD	247+62.7252	39.1549′ LT	TELEPHONE SPLICE BOX
503	ARGOFAYRD	248+96.8223	39.7509′ LT	POWER POLE
504	ARGOFAYRD	250+16.4692	39.3314′ LT	RIGHT OF WAY MARKER
505	ARGOFAYRD	251+11.7220	39.9780′ LT	RIGHT OF WAY MARKER

CURVE POINT NUMBERS				
CURVE	PI	CC	PC	PT
200	200	201	202	203

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HORIZONTAL & VERTICAL CONTROL

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

F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2076	101T-1	CARROLL	31	11
		CONTRACT NO. 64979		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

LARRY & MARJORIE ANN SMITH

LARRY & MARJORIE ANN SMITH

36' PIPE CULVERTS, CLD,TY 1 18"
2 END SECTIONS

242+50.00
40.60' LT

TEMP. EASEMENT

EXISTING ROW

CONST. LIMITS

CMP
12'

238 239 240+00 241 242 243

MATCH LINE STA 243+50

CONST. LIMITS

EXISTING ROW

IMPROVEMENT BEGINS
STA 242+00

243+25.00
45.00' RT

=INLET PIPE AND PROTECTION

=TEMPORARY DITCH CHECK

LARRY & MARJORIE ANN SMITH

PLAN
SURVEYED BY
PLOTTED BY
ALIGNMENT CHECKED
PT. OF BEG. CHECKED
NOTE BOOK NO.
ROAD FILE NAME
DATE BY

PROFILE
SURVEYED BY
PLOTTED BY
GRADES CHECKED
BM. NOTED
STRUCTURE NOTATNS CHKD
NOTE BOOK NO.
DATE BY

660 650 660 655 650 645 640 635 630 625 620

DITCH RIGHT

2.33 %

2.20 %

DITCH LEFT

652.35 651.76 651.22 650.70 650.17 649.64 649.21 648.85 648.49 648.14 647.84

241+00 241+50 242+00 242+50 243+00 243+50

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ARGO FAY ROAD

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

F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2076	101T-1	CARROLL	31	12
		CONTRACT NO. 64979		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

LARRY & MARJORIE ANN SMITH

CURTIS & ANNA PILGRIM

245+75.00
110.00' LT

246+25.00
110.00' LT

PROP. ROW

CONST. LIMITS

60' PIPE CULVERTS, CLD,TY 1 24"
2 END SECTIONS

245+00.00
70.00' LT

3' AGGREGATE SHOULDER WEDGE, TYPE B

GUARDRAIL REMOVAL

247+00.00
75.00' LT

MATCH LINE STA 243+50

MATCH LINE STA 249+00

EXISTING ROW

SECTION BEGINS
STA 245+62

SECTION ENDS
STA 246+47

FE
CMP
12'

ARGO FAY RD

244

245+00

246

247

248

12'
Box
Culvert
FE

REMOVAL OF EXISTING STRUCTURE NO. 2

46' PIPE CULVERTS, CLD,TY 1 36"
2 END SECTIONS

REMOVAL OF EXISTING STRUCTURE NO. 1

245+00.00
70.00' RT

GUARDRAIL REMOVAL

CLASS B PATCH, TYPE IV 15"
STA 245+62 - STA 246+47

245+85.00
95.00' RT

246+20.00
95.00' RT

247+00.00
70.00' RT

248+60.00
45.00' RT

69' CAST-IN-PLACE 2-CELL 14' X 4' RC BOX CULVERT
STA 246+05
FL ELEV=637.62 (U/S)
FL ELEV=637.19 (D/S)
STONE RIPRAP, CLASS A4 W/ FILTER FABRIC
GRATED END SECTIONS

X =TREE REMOVAL

⊠ =INLET PIPE AND PROTECTION

⟡ =TEMPORARY DITCH CHECK

DITCH RIGHT

DITCH LEFT

2.33 %

2.20 %

1.72 %

1.91 %

STA 242+50 - STA 250+00	
EARTH EXCAVATION	1623 CU YDS
WASTE	824 CU YDS

650 645 640 635 630 625 620

647.84 647.66 647.49 647.32 647.15 647.09 647.03 646.97 646.92 646.86 646.80 646.74 646.86 646.90 646.93 646.95 646.95 646.95 646.95 646.96 646.98 647.00

243+50 244+00 244+50 245+00 245+50 246+00 246+50 247+00 247+50 248+00 248+50

PLAN — SURVEYED, PLOTTED, ALIGNMENT CHECKED, CADD FILE NAME, NOTE BOOK, NO., BY, DATE

PROFILE — SURVEYED, PLOTTED, GRADES CHECKED, ALIGNMENT CHKD, STRUCTURE NO'S/ATN'S CHKD, NOTE BOOK, NO., BY, DATE

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ARGO FAY ROAD

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

F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2076	101T-1	CARROLL	31	13
		CONTRACT NO. 64979		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

PLAN
SURVEYED / DRAWN
ALIGNMENT CHECKED
RT. OF WAY CHECKED
CADD FILE NAME
NOTE BOOK
NO.
BY
DATE

PROFILE
SURVEYED / DRAWN
GRADES CHECKED
BM. NOTED
STRUCTURE NOTATNS SPKD
NOTE BOOK
NO.
BY
DATE

CURTIS & ANNA PILGRIM

250+00.00
40.00' LT

IMPROVEMENT ENDS
STA 250+00

EXISTING ROW

CONST. LIMITS

CMP

PE

MATCH LINE STA 249+00

249 250+00 251 252 253 254

CMP

CONST. LIMITS

EXISTING ROW

3' AGGREGATE SHOULDER WEDGE, TYPE B

CURTIS & ANNA PILGRIM

⊠ =INLET PIPE AND PROTECTION

⟡ =TEMPORARY DITCH CHECK

660 655 650 645 640 635 630 625 620

1.72 %

647.02 647.05 647.07 647.10 647.13 647.16 647.20 647.24 647.29 647.33 647.40 647.49 647.58

249+00 249+50 250+00 250+50 251+00 251+50 252+00

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ARGO FAY ROAD

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

F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2076	101T-1	CARROLL	31	14
		CONTRACT NO. 64979		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

Benchmark: Cut on NW Wingwall of SN 008-2002. Sta. 246+16.118 20.82' LT Elev. 646.36

Existing Structure: SN 008-2002, originally built in 1937. The existing structure is a double 11'x6' box culvert. The existing structure will be removed and replaced with a double 14'x4' CIP culvert. Traffic will be detoured.

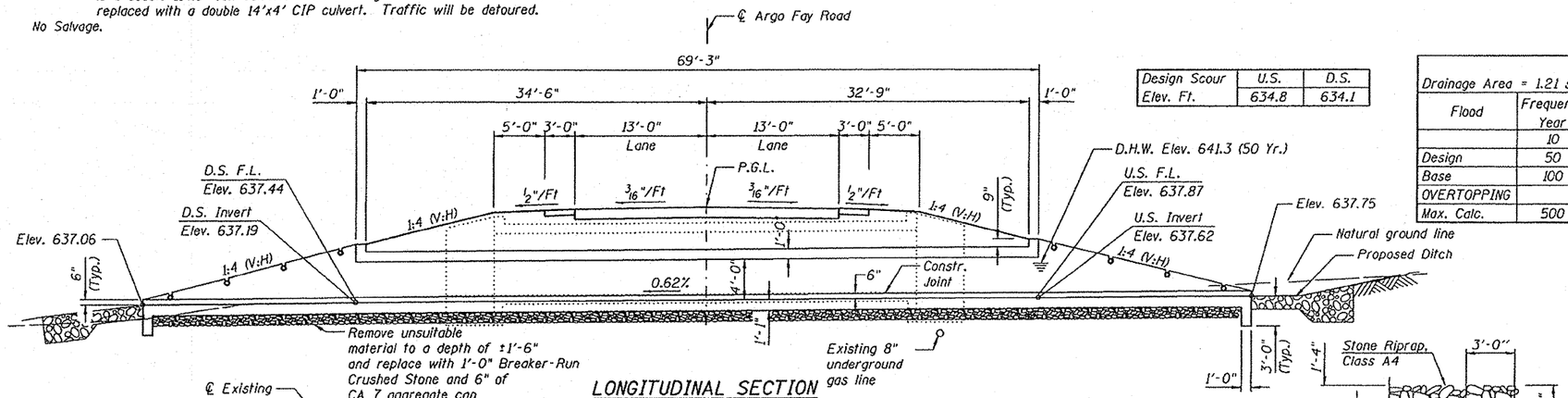
No Salvage.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Argo Fay Road	101T-1	Carroll	31	15
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	

SHEET NO. S-1
S-6 SHEETS

Contract # 64979



LONGITUDINAL SECTION

SECTION A-A

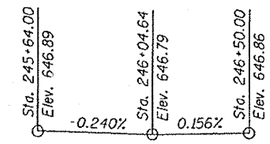
Design Scour Elev. Ft.	U.S.	D.S.
	634.8	634.1

WATERWAY INFORMATION

Existing Low Grade Elevation = 646.79 ft. @ Sta. 246+04
Drainage Area = 1.21 sq. mi. Proposed Low grade Elevation = 646.79 ft. @ Sta. 246+04

Flood	Frequency Year	Discharge (cfs)	Waterway Opening Existing	Waterway Opening Proposed	Natural H.W.E	Head (ft.) Existing	Head (ft.) Proposed	Headwater El. (ft.) Existing	Headwater El. (ft.) Proposed
	10	292	56	71	640.4	0.1	0	640.5	640.1
Design	50	444	75	94	641.2	0.3	0.0	641.6	641.3
Base	100	507	82	104	641.6	0.4	0.1	642.0	641.7
OVERTOPPING									
Max. Calc.	500	656	98	123	642.3	0.6	0.5	642.8	642.7

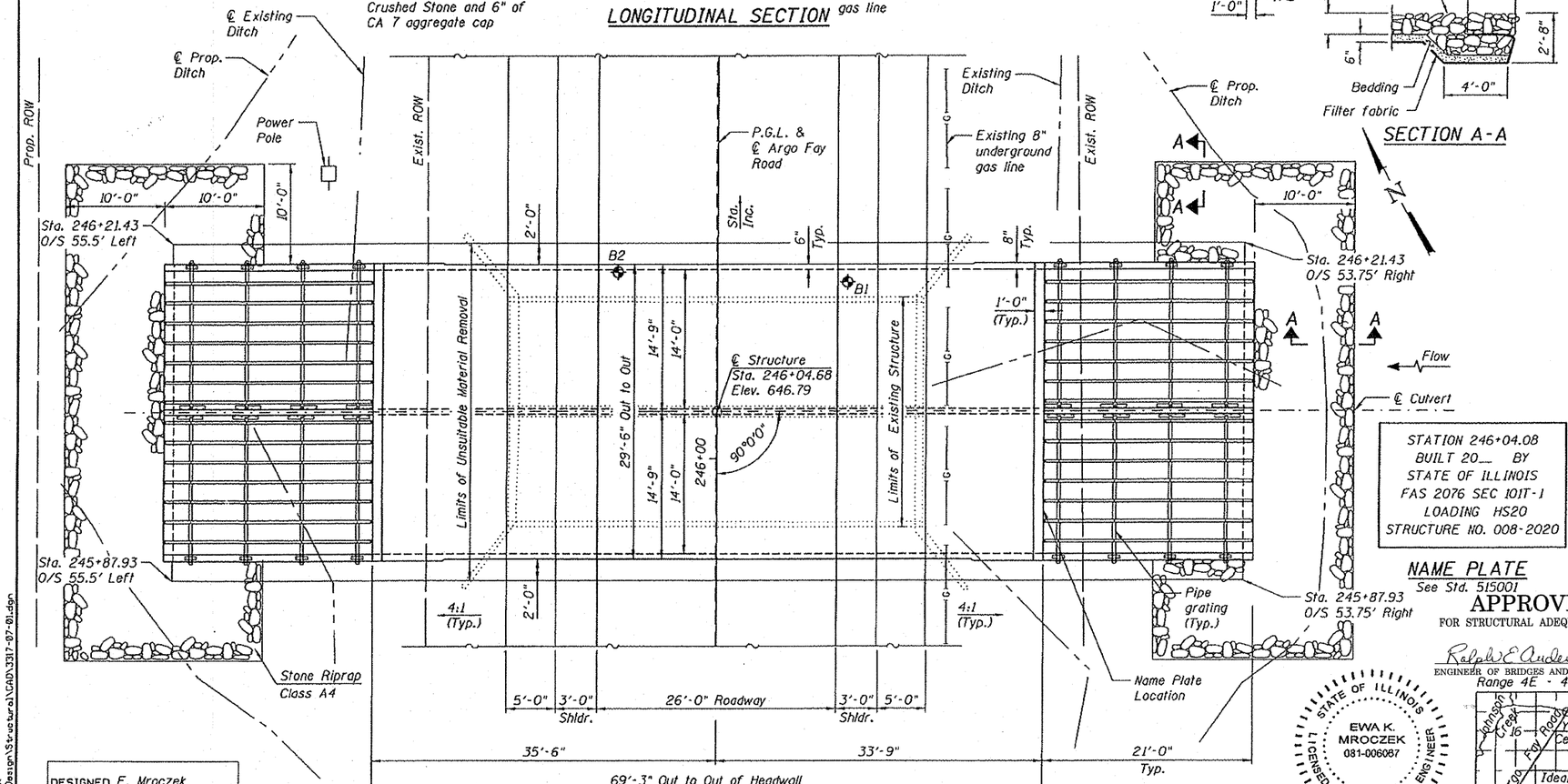
INDEX OF SHEETS



PROFILE GRADE
(along ℄ Rdwy. Argo Fay Road)

GENERAL NOTES

1. Precast Culvert option will not be allowed at this site.
2. Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60 (IL Modified). See Special Provisions.
3. All exposed concrete edges shall be chamfered 3/4" unless otherwise noted.
4. No less than 7 ft. of barrel shall be poured monolithically with the middle wall and wingwalls on each side.
5. All Construction Joints shall be bonded.
6. The cost of stream realignment is included with "Stone Riprap, Class A4".
7. The limits and quantities of removal and replacement shown are based on the boring data and may be modifed by the District Geotechnical and Field Engineers for variable subsurface conditions encountered in the field.
8. The Breaker-Run Crushed Stone shall be capped with 6 in. of CA7 and satisfy the Standard Specifications unless otherwise indicated in the Special Provisions. The cost of the capping material shall be included in the pay item for "Breaker-Run Crushed Stone".
9. The cost of Excavation and Backfill is included in the "Concrete Box Culverts"



PLAN

STATION 246+04.08
BUILT 20__ BY
STATE OF ILLINOIS
FAS 2076 SEC 101T-1
LOADING HS20
STRUCTURE NO. 008-2020

NAME PLATE
See Std. 515001

TOTAL BILL OF MATERIAL

Item	Unit	Quantity
Removal and Disposal of Unsuitable Material	Cu. Yd.	203
Stone Riprap, Class A4	Sq. Yd.	154
Filter Fabric	Sq. Yd.	154
Removal of Existing Structures No. 2	Each	1
Reinforcement Bars	Pound	46,560
Name Plates	Each	1
Concrete Box Culverts	Cu. Yd.	239.1
Grating for Box Culvert, Location 1	Each	2
Breaker-Run Crushed Stone	Ton	430

*See Special Provisions

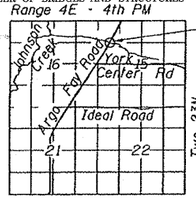
LOADING HS20-44
Allow 50#/Sq. Ft. for future wearing surface

DESIGN SPECIFICATIONS
2002 AASHTO Standard Specifications

DESIGN STRESSES
f'c = 3,500 psi
fy = 60,000 psi (Reinforcement)
fy = 35,000 psi (Steel pipe)

APPROVED
FOR STRUCTURAL ADEQUACY ONLY
Ralph E. Anderson
ENGINEER OF BRIDGES AND STRUCTURES
Range 4E - 4th PM

STATE OF ILLINOIS
EWA K. MROCZEK
081-006087
LICENSED STRUCTURAL ENGINEER
DATE: 8/1/2008
SEAL EXPIRES: 11/30/2008



LOCATION SKETCH

GENERAL PLAN
ARGO FAY ROAD OVER JOHNSON CREEK TRIBUTARY
FAS 2076 (ARGO FAY ROAD)
SECTION 101T-1
CARROLL COUNTY
STA. 246+04.68
S.N. 008-2020

DESIGNED	E. Mroczek
CHECKED	B. Sauter
DRAWN	R. Danley
CHECKED	E. Mroczek

Ciorba Group, Inc.
CONSULTING ENGINEERS
6507 North Cumberland Avenue, Suite 402 Chicago, Illinois 60656
Tel. 773.775.4009 Fax 773.775.4014 Email chicago@ciorba.com

8/1/2008 amroczek
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

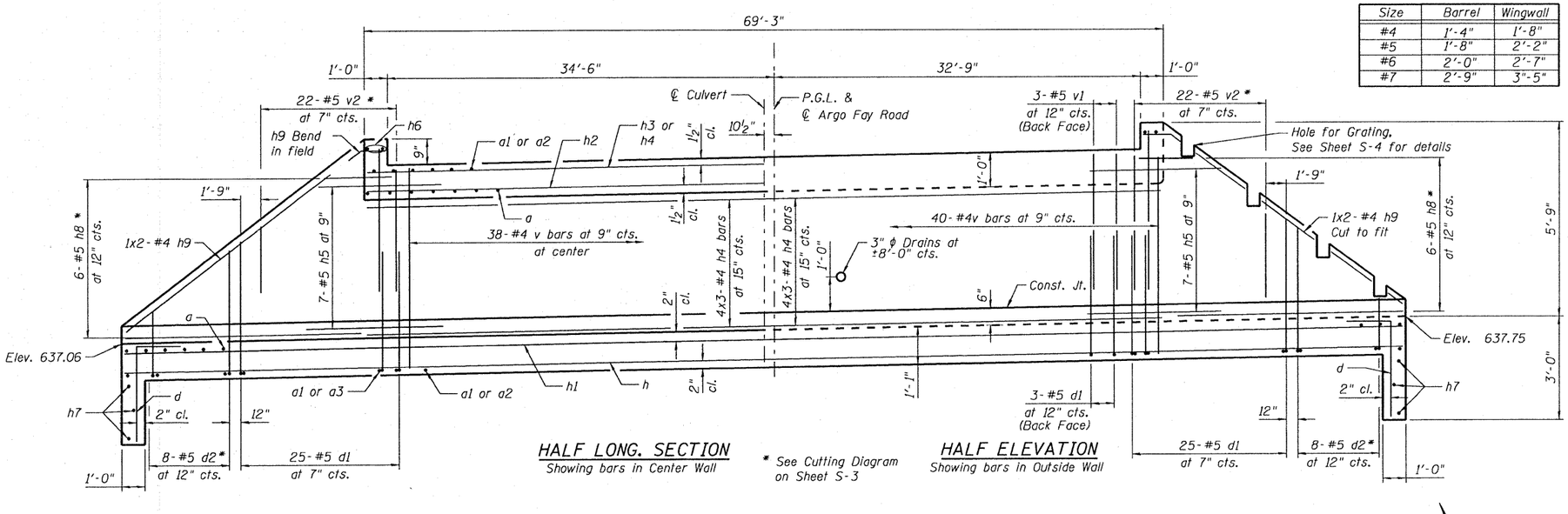
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Argo Fay Road	101T-1	Carroll	31	16
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	

SHEET NO. S-2
S-6 SHEETS

Contract # 64979

SPLICE LENGTHS

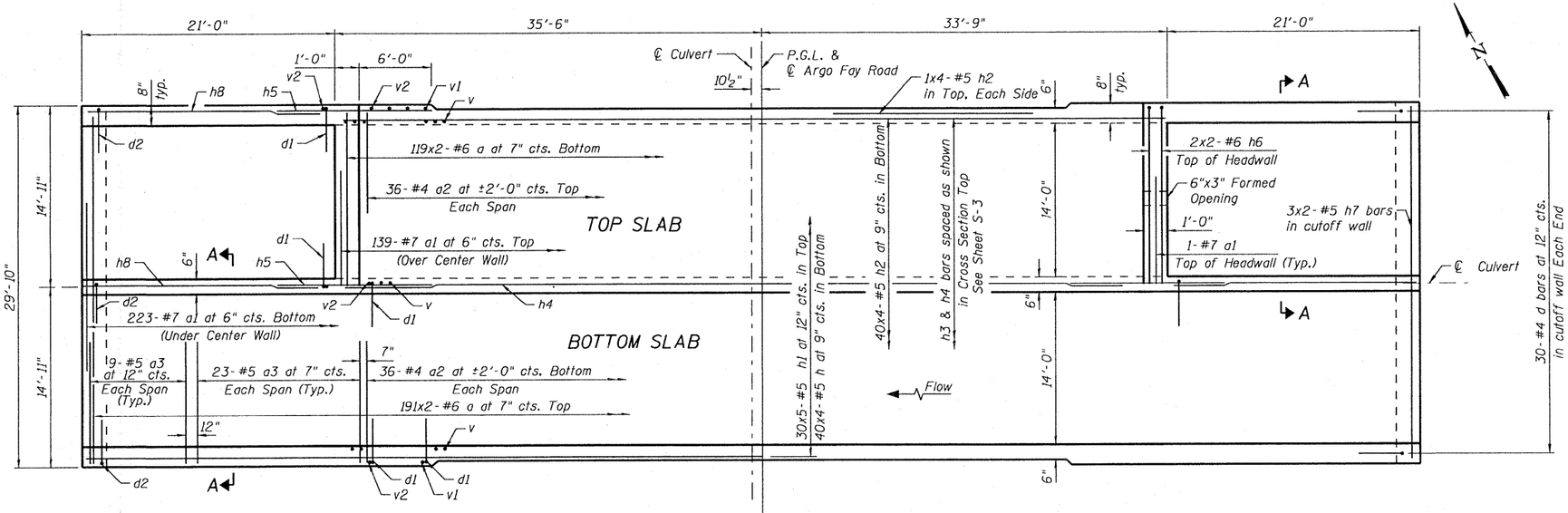
Size	Barrel	Wingwall
#4	1'-4"	1'-8"
#5	1'-8"	2'-2"
#6	2'-0"	2'-7"
#7	2'-9"	3"-5"



HALF LONG. SECTION
Showing bars in Center Wall

* See Cutting Diagram on Sheet S-3

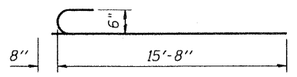
HALF ELEVATION
Showing bars in Outside Wall



SHOWING REINFORCEMENT

PLAN

SHOWING OUTLINES



BAR a

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a	620	# 6	16 ' - 4 "	
a1	364	# 7	14 ' - 0 "	
a2	144	# 4	9 ' - 5 "	
a3	128	# 5	9 ' - 5 "	
d	60	# 4	4 ' - 6 "	
d1	162	# 5	5 ' - 6 "	
d2	24	# 5	8 ' - 9 "	
h	160	# 5	29 ' - 0 "	
h1	150	# 5	23 ' - 6 "	
h2	168	# 5	18 ' - 6 "	
h3	81	# 6	24 ' - 1 "	
h4	60	# 4	24 ' - 1 "	
h5	14	# 5	9 ' - 6 "	
h6	8	# 6	15 ' - 8 "	
h7	12	# 5	15 ' - 7 "	
h8	18	# 5	23 ' - 0 "	
h9	12	# 4	11 ' - 2 "	
v	118	# 4	5 ' - 9 "	
v1	12	# 5	3 ' - 8 "	
v2	33	# 5	7 ' - 2 "	
Concrete Box Culverts		Cu. Yd.	239.1	
Reinforcement Bars		Pound	46,560	

NOTES:

1. No less than seven feet of the barrel shall be poured monolithically with the wingwalls.
2. Bars indicated thus 12x4-#5 etc. indicates 12 lines of bars with 4 lengths per line.
3. For Section A-A see sheet S-3.
4. Work this sheet with sheet S-3

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8/1/2008 emroczek
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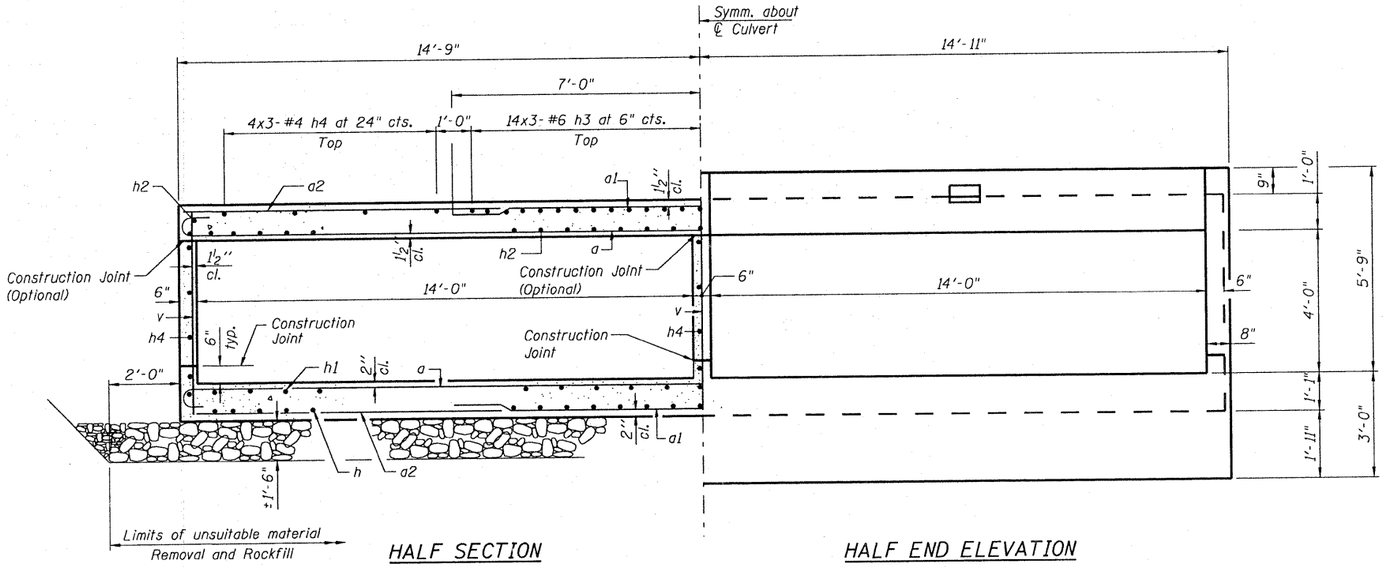
CULVERT PLAN & SECTION
ARGO FAY ROAD OVER
JOHNSON CREEK TRIBUTARY
FAS 2076 (ARGO FAY ROAD)
SECTION 101T-1
CARROLL COUNTY
STA. 246+04.68
S.N. 008-2020

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

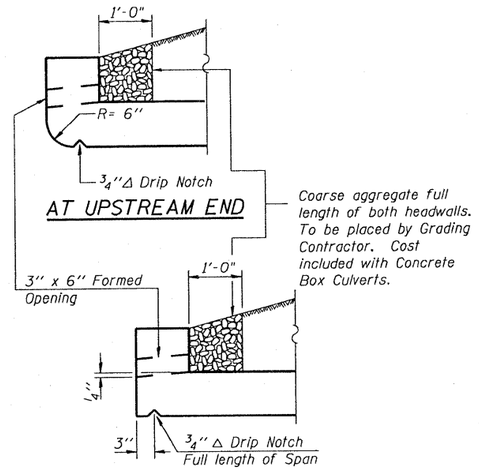
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Argo Fay Road	101T-1	Carroll	31	17
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

SHEET NO. S-3
S-6 SHEETS

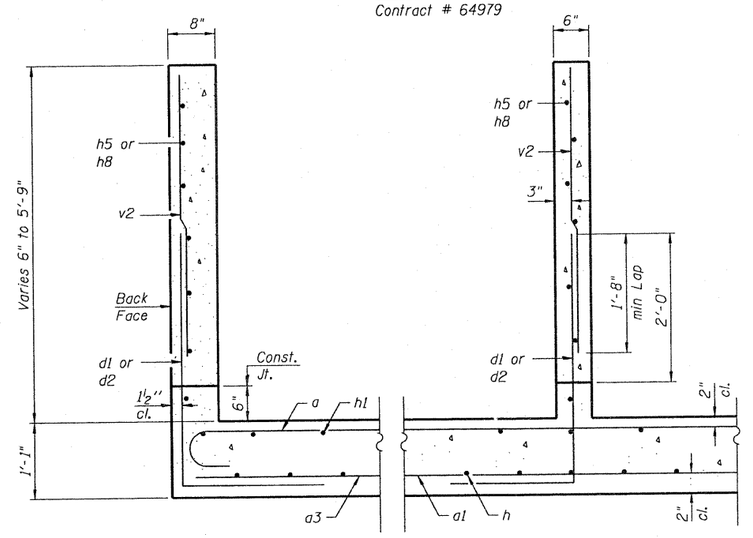
Contract # 64979



HALF SECTION THRU BARREL



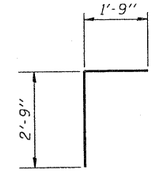
HALF END ELEVATION



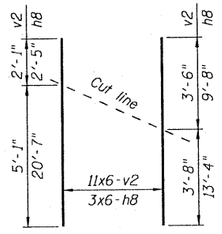
SECTION A-A

SPLICE LENGTHS

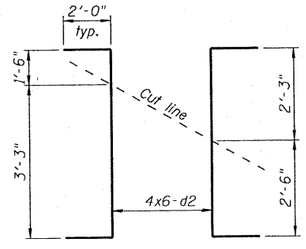
Size	Barrel	Wingwall
#4	1'-4"	1'-8"
#5	1'-8"	2'-2"
#6	2'-0"	2'-7"
#7	2'-9"	3"-5"



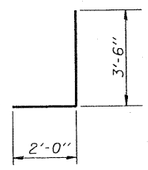
BAR d



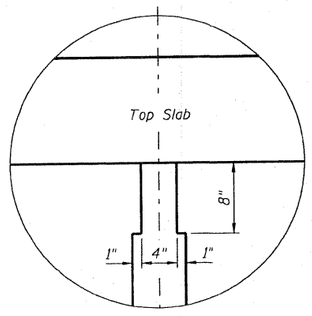
BAR v2, h8
CUTTING DIAGRAM



BAR d2
CUTTING DIAGRAM

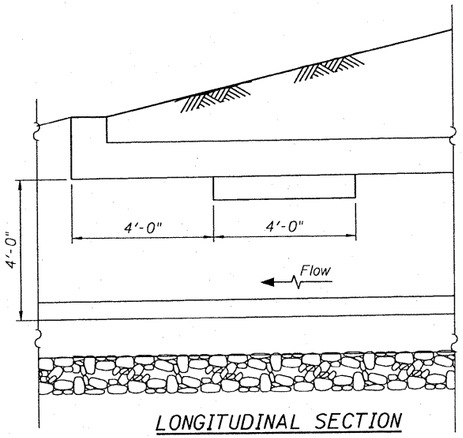


BAR d1



PHOEBE NESTING SITE
NOTCH DETAIL
Downstream end only

Note:
Notch formed by rough-finished board attached to and removed with formwork.



LONGITUDINAL SECTION

AT DOWNSTREAM END
DRAIN DETAIL

NOTES:

1. Bars indicated thus 12x4-#5 etc. indicates 12 lines of bars with 4 lengths per line.
2. Work this sheet with sheet S-2.

CULVERT DETAILS
ARGO FAY ROAD OVER
JOHNSON CREEK TRIBUTARY
FAS 2076 (ARGO FAY ROAD)
SECTION 101T-1
CARROLL COUNTY
STA. 246+04.68
S.N. 008-2020

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8/1/2008 emroczek
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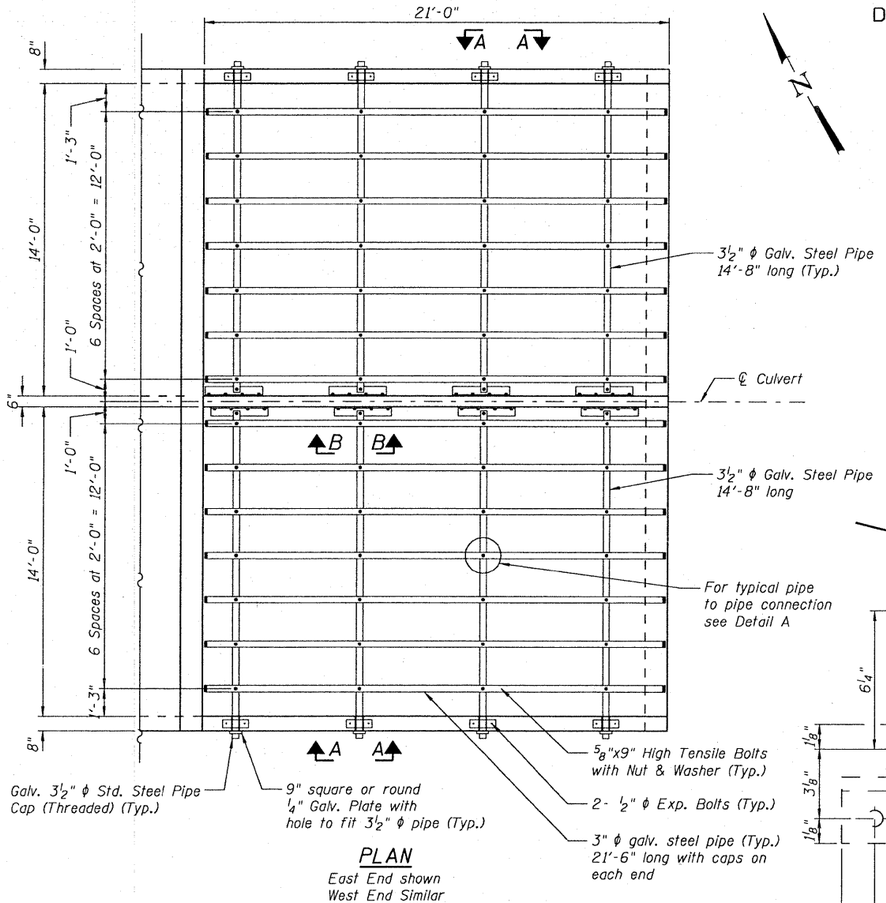
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

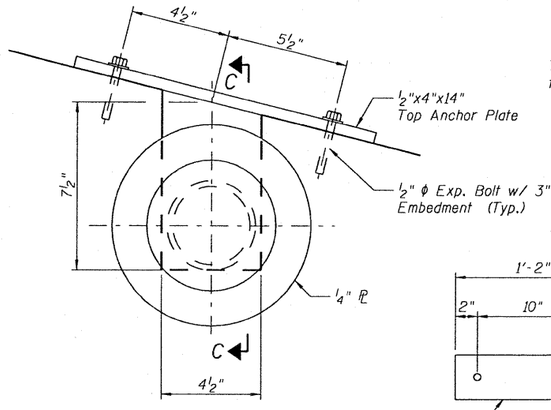
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Argo Fay Road	101T-1	Carroll	31	18
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

SHEET NO. S-4
S-6 SHEETS

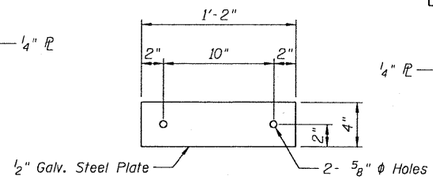
Contract # 64979



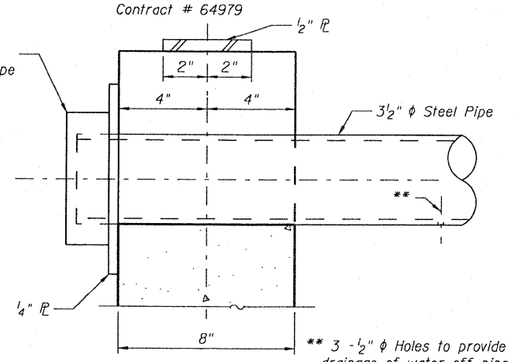
PLAN
East End shown
West End Similar



VIEW A-A

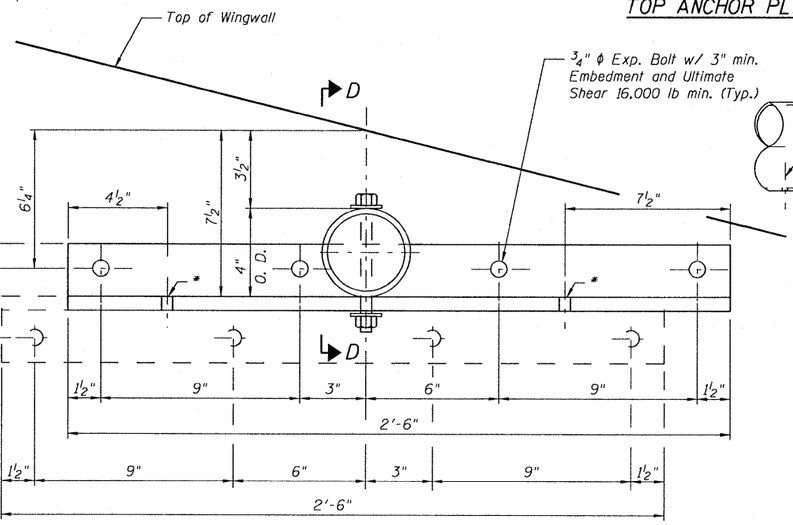


TOP ANCHOR PLATE



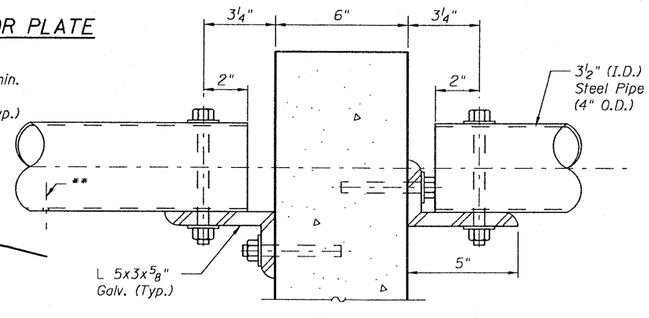
SECTION C-C

** 3 -½" ϕ Holes to provide drainage of water off pipe, spaced equally, (typ. each 3½" ϕ pipe)

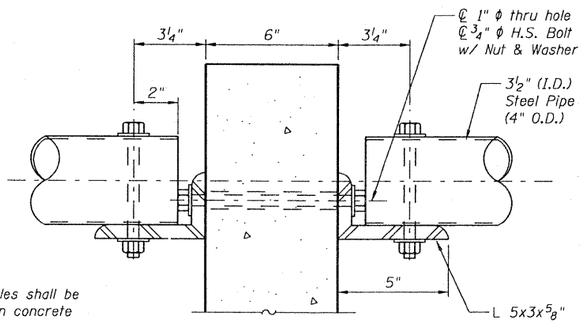


VIEW B-B

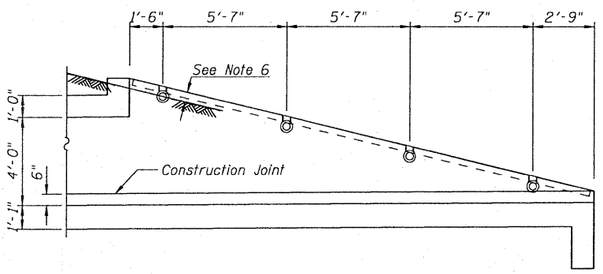
* ½" ϕ Hole to provide drainage of water off angle



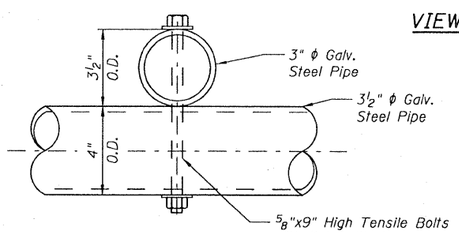
SECTION D-D



SECTION D-D
ALTERNATIVE



ELEVATION



DETAIL A

BILL OF MATERIAL

Item	Unit	Quantity
Grating for Box Culverts Location 1	Each	2

NOTES:

1. All Bolts shall have washers at each end. Holes shall be 1/16" oversized unless otherwise noted, except in concrete which shall be ⅛" oversized.
2. Steel pipes shall conform to A.S.T.M. A-53 (Type E or S) Grade B, Schedule 40, & shall be galvanized conforming to A.S.T.M. A-120.
3. Steel plates and angles shall conform to AASHTO M-270 Grade 36 & shall be galvanized conforming to AASHTO M-111.
4. Bolts, Nuts & Washers shall be in accordance with Article 1006.08 of the Standard Specifications and shall be galvanized.
5. The cost of galvanized pipes, bolts, nuts, washers, steel plates and angles is included with the pay item "Grating for Box Culverts Location 1".
6. The proposed grated end sections (headwalls and wingwalls) shall extend less than 4 inches above the adjacent ground elevation.

PIPE GRATING DETAILS
ARGO FAY ROAD OVER JOHNSON CREEK TRIBUTARY
FAS 2076 (ARGO FAY ROAD)
SECTION 101T-1
CARROLL COUNTY
STA. 246+04.68
S.N. 008-2020

DESIGNED	E. Mroczek
CHECKED	B. Sauter
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8/1/2008
emroczek
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BORING LOGS

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

SOIL BORING LOG

Page 1 of 2

Date 10/16/03

ROUTE Argo Fay Road DESCRIPTION P92-026-04 Box Culvert, 3.1 miles west of IL 78 LOGGED BY C. Jenkins

SECTION LOCATION York Twp. - NW, SEC. 15, TWP. 23N, RNG. 4E

COUNTY Carroll DRILLING METHOD Hollow Stem Auger HAMMER TYPE C-45

STRUCT. NO. 008-2002
Station

BORING NO. B-1b
Station 13' E. of center of bridge
Offset 13.00ft S. of CL
Ground Surface Elev. 99.70 ft

Surface Water Elev. 91.70 ft
Stream Bed Elev. 89.00 ft

Groundwater Elev.:
First Encounter 85.2 ft ▼
Upon Completion Wash ft
After ____ Hrs. ____ ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Pushed sampler 57" with no voids before drilling			
MEDIUM tan GRAVEL above tan SAND			
97.70			
VERY LOOSE tan fine SAND	2		
	2		
	2		
95.70			
MEDIUM brown/gray SILTY	2		
-5 LOAM	2	0.6	23.0
	2	S	
93.70			
MEDIUM black SILTY LOAM with	1		
ORGANICS	1	0.9	31.0
	1	B	
91.20			
MEDIUM black SANDY LOAM	0		
-10 with SAND lenses and	2	0.5	18.0
ORGANICS	3	S	
88.20			
LOOSE gray/black fine SAND	2		
	3		
86.20	4		
▼			
LOOSE gray fine SAND	2		
-15	3		
83.70	3		
MEDIUM gray fine SAND	5		
	6		
81.20	5		
LOOSE gray fine SAND	1		
-20			

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
LOOSE gray fine SAND	4		
(continued)	3		
78.70			
MEDIUM tan SAND & GRAVEL	0		
	5		
76.20	13		
DENSE tan SAND & GRAVEL	12		
-25	15		
	20		
73.70			
Begin Wash	13		
MEDIUM gray/tan well-cemented	15		
SAND & GRAVEL	14		
71.20			
Wash	5		
-30 MEDIUM tan fine SAND	4		
	6		
68.70			
Wash			
65.70			
HARD gray CLAY	3		
-35	4	4.1	20.0
	6	S	
63.70			
Wash	3		
STIFF gray SILTY CLAY	4	1.6	22.0
	5	S	
61.20			
HARD gray CLAY	4		
-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
Illinois Department of Transportation/D-2

SOIL BORING LOG

Page 2 of 2

Date 10/16/03

ROUTE Argo Fay Road DESCRIPTION P92-026-04 Box Culvert, 3.1 miles west of IL 78 LOGGED BY C. Jenkins

SECTION LOCATION York Twp. - NW, SEC. 15, TWP. 23N, RNG. 4E

COUNTY Carroll DRILLING METHOD Hollow Stem Auger HAMMER TYPE C-45

STRUCT. NO. 008-2002
Station

BORING NO. B-1b
Station 13' E. of center of bridge
Offset 13.00ft S. of CL
Ground Surface Elev. 99.70 ft

Surface Water Elev. 91.70 ft
Stream Bed Elev. 89.00 ft

Groundwater Elev.:
First Encounter 85.2 ft ▼
Upon Completion Wash ft
After ____ Hrs. ____ ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
HARD gray CLAY (continued)	6	4.3	20.0
58.70	8	B	
Wash	6		
HARD gray SILTY CLAY with a	9	4.1	20.0
SILT lens	11	B	
56.20			
End of Boring			
-45			
-50			
-55			
-60			

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)

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		DRAWN -	REVISED -
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	PLOT DATE = Fri Aug 01 13:31:03 2008	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BORING LOGS

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

F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2076	101T-1	CARROLL	31	19
		CONTRACT NO. 64979		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

BORING LOGS

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

SOIL BORING LOG

Page 1 of 2

Date 10/17/03

ROUTE Argo Fay Road DESCRIPTION P92-026-04 Box Culvert, 3.1 miles west of IL 78 LOGGED BY C. Jenkins

SECTION LOCATION York Twp. - NW, SEC. 15, TWP. 23N, RNG. 4E

COUNTY Carroll DRILLING METHOD Hollow Stem Auger HAMMER TYPE C-45

STRUCT. NO. 008-2002
Station

BORING NO. B-2b
Station 14' E. of center of culvert
Offset 10.00ft N of CL
Ground Surface Elev. 99.90 ft

Surface Water Elev. 91.70 ft
Stream Bed Elev. 89.00 ft

Groundwater Elev.:
First Encounter 87.9 ft ▼
Upon Completion Wash ft
After ____ Hrs. ____ ft

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
18" Asphalt & Concrete Pushed Sampler, "No Voids" MEDIUM tan SAND & GRAVEL				
	98.40			
	97.90	4		
STIFF tan/brown SANDY LOAM with GRAVEL		4	1.4	16.0
		5	P	
	-5	3		
STIFF tan/brown SILTY LOAM with SAND lenses		3	1.1	18.0
	93.90	4	P	
		30		
MEDIUM black SANDY LOAM with CONCRETE chunks		35	0.5	16.0
	91.40	8	P	
	-10	1		
SOFT black SILTY LOAM with SAND lenses		3	0.3	20.0
	88.40	2	S	
	▼	0		
LOOSE black/gray fine-grained SAND		3		
	86.40	5		
	-15	3		
LOOSE tan/gray fine-grained SAND		4		
	83.90	6		
Same as above		3		
		4		
	81.40	5		
LOOSE tan fine grained SAND	-20	0		
LOOSE tan fine grained SAND (continued)	78.90	3 4		
MEDIUM tan fine grained SAND with some GRAVEL		3		
	76.40	10		
MEDIUM tan SAND & pea GRAVEL	-25	3		
	73.90	6 13		
Begin Wash MEDIUM tan fine SAND		7		
	71.40	5 7		
Wash MEDIUM tan fine SAND with some GRAVEL	-30	3		
	68.90	6 10		
	65.90			
Wash STIFF gray SILTY CLAY	-35	2		
	63.90	3 5	1.2 S	22.0
HARD gray CLAY		3		
		5	4.3	22.0
	61.40	8	S	
HARD gray CLAY with a SILT lens	-40	5		

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

BBS, from 137 (Rev. 8-99)

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

SOIL BORING LOG

Page 2 of 2

Date 10/17/03

ROUTE Argo Fay Road DESCRIPTION P92-026-04 Box Culvert, 3.1 miles west of IL 78 LOGGED BY C. Jenkins

SECTION LOCATION York Twp. - NW, SEC. 15, TWP. 23N, RNG. 4E

COUNTY Carroll DRILLING METHOD Hollow Stem Auger HAMMER TYPE C-45

STRUCT. NO. 008-2002
Station

BORING NO. B-2b
Station 14' E. of center of culvert
Offset 10.00ft N of CL
Ground Surface Elev. 99.90 ft

Surface Water Elev. 91.70 ft
Stream Bed Elev. 89.00 ft

Groundwater Elev.:
First Encounter 87.9 ft ▼
Upon Completion Wash ft
After ____ Hrs. ____ ft

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
HARD gray CLAY with a SILT lens (continued)	58.90	6 11	5.0 S	20.0
Wash VERY STIFF gray CLAY		4 7	3.3	21.0
	56.40	10	S	
Wash HARD gray CLAY	-45	4 6	4.5	20.0
	53.90	9	S	
End of Boring	-50			
	-55			
	-60			

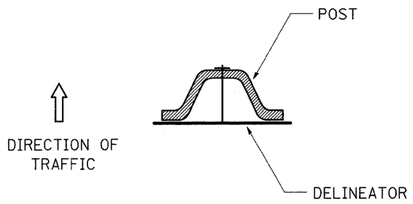
The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

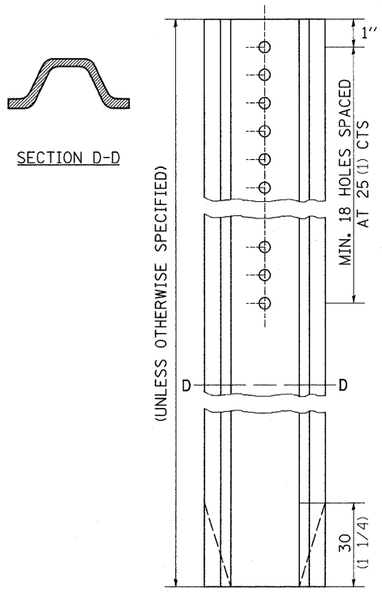
BBS, from 137 (Rev. 8-99)

FILE NAME = c:\projects\p202604\d026041ogs.dgn	USER NAME = grantpm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BORING LOGS				
		DRAWN -	REVISED -						
	PLOT SCALE = 50.0000 ' / IN.	CHECKED -	REVISED -						
	PLOT DATE = Fri Aug 01 13:31:04 2008	DATE -	REVISED -		SCALE:	SHEET NO. OF SHEETS	STA.	TO STA.	

F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2076	101T-1	CARROLL	31	20
		CONTRACT NO. 64979		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

DELINEATOR AND POST ORIENTATION





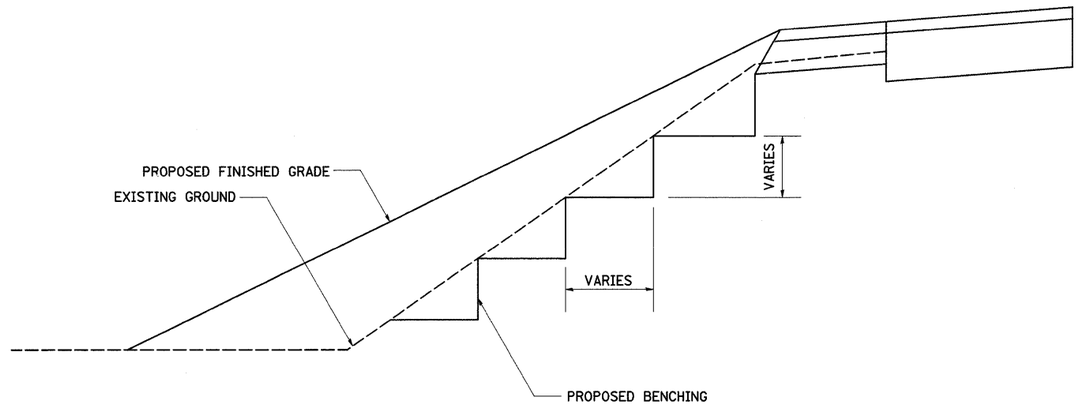
DELINEATORS SHALL BE INSTALLED ACCORDING TO STANDARD 635001 EXCEPT THAT THE POST SHALL BE ROTATED 180° . THE POST WILL HAVE THE WIDE SIDE FACING TRAFFIC AND THE DELINEATOR ATTACHECD AS SHOWN ABOVE.

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

REVISED - 11-01-07

DELINEATOR AND POST ORIENTATION 37.4

TYPICAL BENCHING ON EXISTING EMBANKMENT



REVISED - 2-22-06

TYPICAL BENCHING ON EXISTING EMBANKMENT 50.4

LETTERING FOR NAME PLATE

STATION 246+04.68
BUILT 2009 BY
STATE OF ILLINOIS
FAS 2076 SEC. 101T-1
LOADING HS 20
STR. NO. 008-2020

SEE STD. 515001

STATION	STRUCTURE NO.
246+04.68	PROP SN# 008-2020

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

REVISED - 11-01-07

LETTERING FOR NAME PLATE 89.4

TREE REPLACEMENT SCHEDULE

CODE NUMBER	SCIENTIFIC NAME	COMMON NAME	SIZE	UNIT	QUANTITY
C2001748	Cornus Sericea Cardinal	Cardinal Redosier Dogwood	4 Feet Height Balled and Burlapped	Each	12

NOTE:

1. LAYOUT SHALL BE PERFORMED BY THE DISTRICT LANDSCAPE ARCHITECT.
2. MULCH SHALL BE HARDWOOD WOOD CHIPS, 5 FOOT DIAMETER, 4 INCHES THICK WITH WEED BARRIER FABRIC.

REVISED - 8-10-05

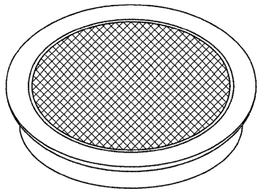
ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE NOTED.

TREE REPLACEMENT SCHEDULE 90.4

REVISED -	**REGION 2 / DISTRICT 2 STANDARD**	F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
REVISED -		2076	101T-1	CARROLL	31	21
REVISED -				CONTRACT NO. 64979		
REVISED -	SCALE: 50.0000 ' / IN. SHEET NO. OF SHEETS STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

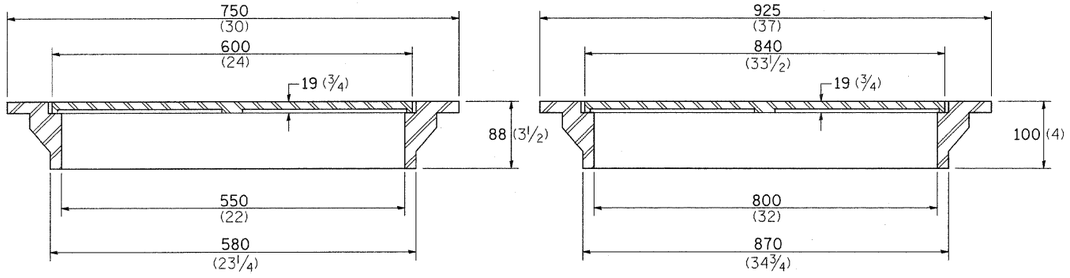
PLOT DATE = Fri Aug 08 08:07:05 2008

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



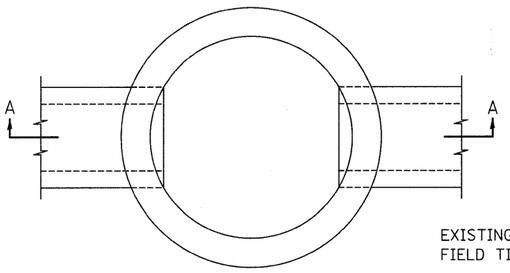
FRAME & LID FOR 600 (24) VAULT

FRAME & LID FOR 900 (36) VAULT

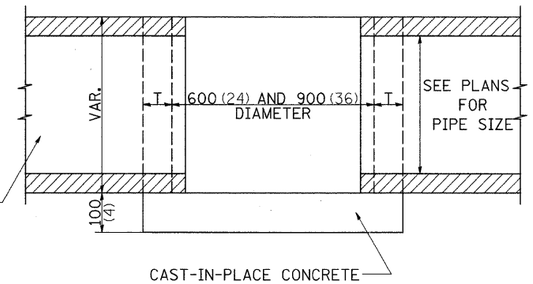


TOTAL WEIGHT: 66 Kg (146 lbs)

TOTAL WEIGHT: 127 Kg (280 lbs)



PLAN

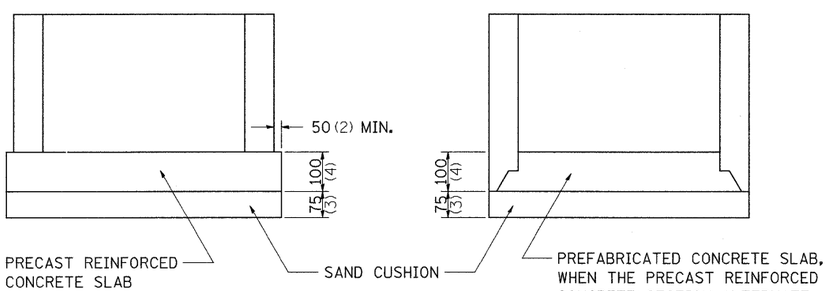


SECTION A-A

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.

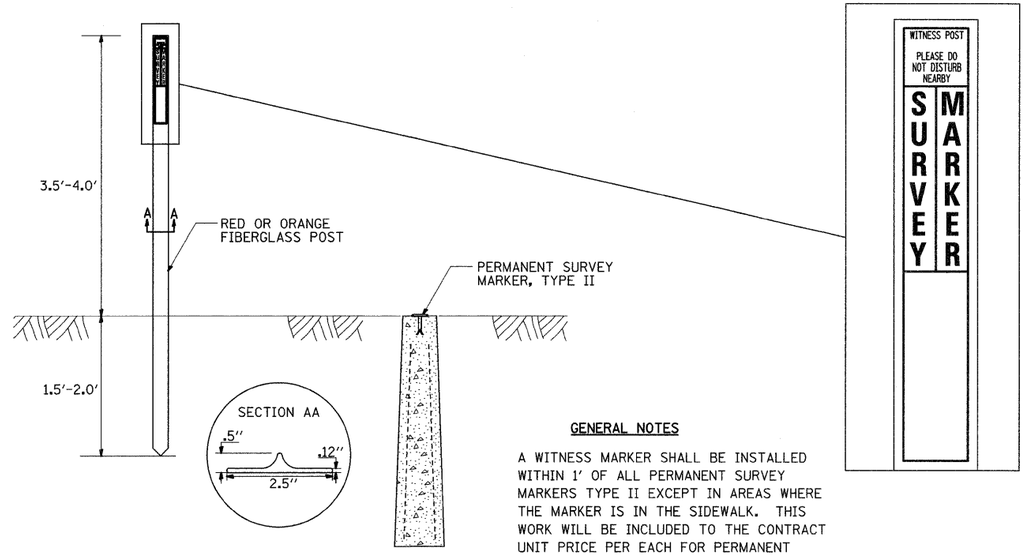


ALTERNATE METHODS

REVISED - 5-03-94

FIELD TILE JUNCTION VAULTS 600 (24) AND 900 (36) DIA. 30.2

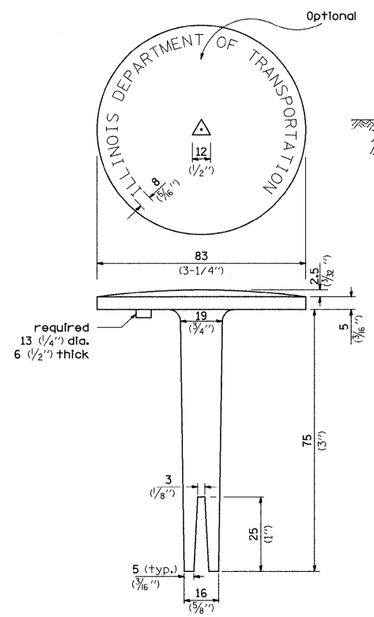
WITNESS MARKER FOR PERMANENT SURVEY MARKERS, TYPE II



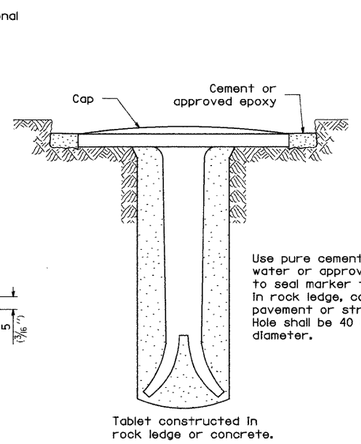
GENERAL NOTES

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.

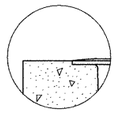
PERMANENT SURVEY MARKERS, TYPE II



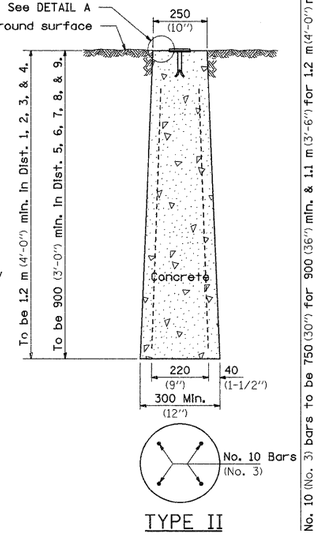
BRASS OR ALUMINUM TABLET



TYPE II



DETAIL A



TYPE II

CAST-IN-PLACE MARKER

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

WITNESS MARKER & PERMANENT SURVEY MARKERS, TYPE II 66.2

REVISED -	REGION 2 / DISTRICT 2 STANDARD				
REVISED -					
REVISED -					
REVISED -	SCALE: 50.0000 ' / IN	SHEET NO. OF SHEETS	STA.	TO STA.	

F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2076	101T-1	CARROLL	31	22
		CONTRACT NO. 64979		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

PLOT DATE = Fri Aug 01 13:21:22 2008

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 REPLACING BOX CULVERT AND REDITCHING ON ARGO FAY ROAD (1.5 MILES SOUTHWEST OF ARGO FAY)

DESCRIPTION OF INTENDED SEQUENCE OF ACTIVITIES:
THE SEQUENCE OF EVENTS ARE AS FOLLOW: CLEARING, EMBANKMENT, EXCAVATION, GRADING AND PAVING. THIS PROJECT WILL BE CONSTRUCTED UNDER ROAD CLOSURE.

TOTAL CONSTRUCTION SITE (CONSTRUCTION LIMIT TO CONSTRUCTION LIMIT) 2.31 ACRES
PROPOSED R.O.W (TOTAL PARCEL AREA) .74 ACRES
DISTURBED BY EXCAVATION (E.O.P TO CONSTRUCTION LIMIT) 1.41 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

UN-NAMED TRIBUTARY TO JOHNSON CREEK

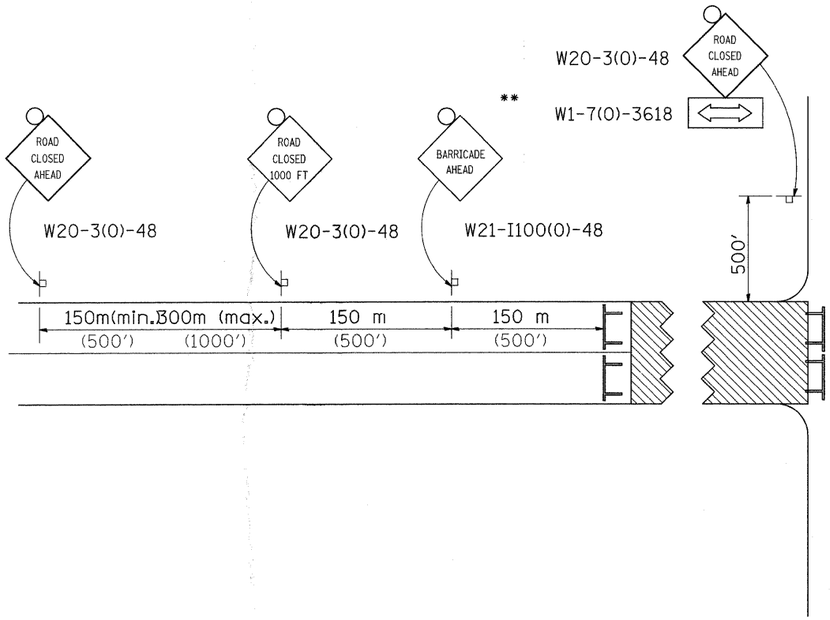
EROSION CONTROLS AND SEDIMENT CONTROL PROCEDURES
STABILIZATION PRACTICES AT THE BEGINNING OF CONSTRUCTION:
PERIMETER EROSION CONTROL SHALL BE PLACED PRIOR TO BEGINNING EARTHWORK.

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.

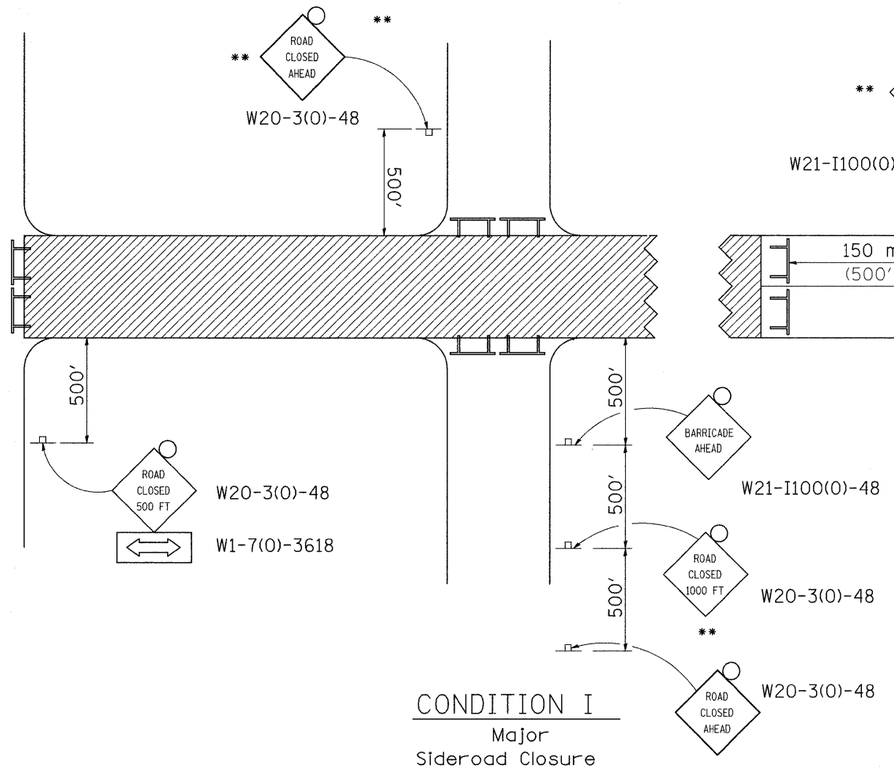
FILE NAME = c:\projects\p202604\d02604spl.dgn	USER NAME = grantpm	DESIGNED -	REVISED - 5-12-04	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	REGION 2 / DISTRICT 2 STANDARD	F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -			2076	101T-1	CARROLL	31	23
	PLOT SCALE = 50.0000 ' / IN.	CHECKED -	REVISED -					CONTRACT NO. 64979		
	PLOT DATE = Thu Aug 07 15:42:28 2008	DATE -	REVISED -		SCALE: SHEET NO. OF SHEETS STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

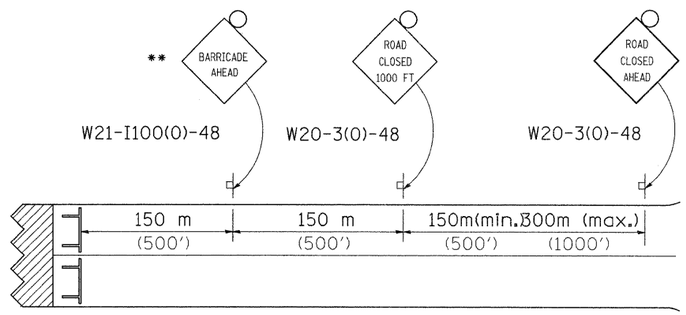
TRAFFIC CONTROL FOR ROAD CLOSURE



CONDITION II

Minor
Sideroad Closure





CONDITION I

Major
Sideroad Closure

GENERAL NOTES

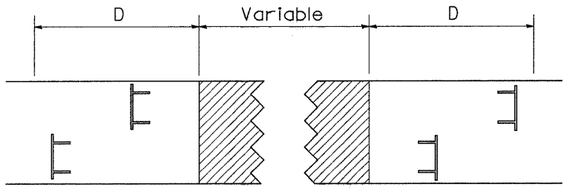
Longitudinal dimensions may be adjusted to fit field conditions.

When speed limit is less than 45mph, change sign spacing to 250' and change ROAD CLOSED 1000 FT to ROAD CLOSED 500 FT.

Side roads requiring all three signs as shown in CONDITION I (Major Sideroad Closure), shall be listed in the special provision.

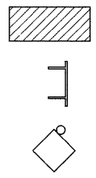
** Where local access is to be maintained, barricades are to be set up as shown in Road Closed to thru traffic. Type III Barricades and R11-2-4830 signs shall be as shown in "Road Closed To All Traffic" detail on Highway Standard 701901.

ROAD CLOSED TO THRU TRAFFIC BARRICADE SET UP



Type III Barricades and R11-4-4830 signs shall be as shown in "Road Closed To All Thru Traffic" detail on Highway Standard 701901. If the distance "D" exceeds 600 m (2000') an additional set of barricades and R11-4-4830 shall be placed at each end of the work area.

SYMBOLS



Work area

Type III Barricade with Flashers

Sign with flashing light

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

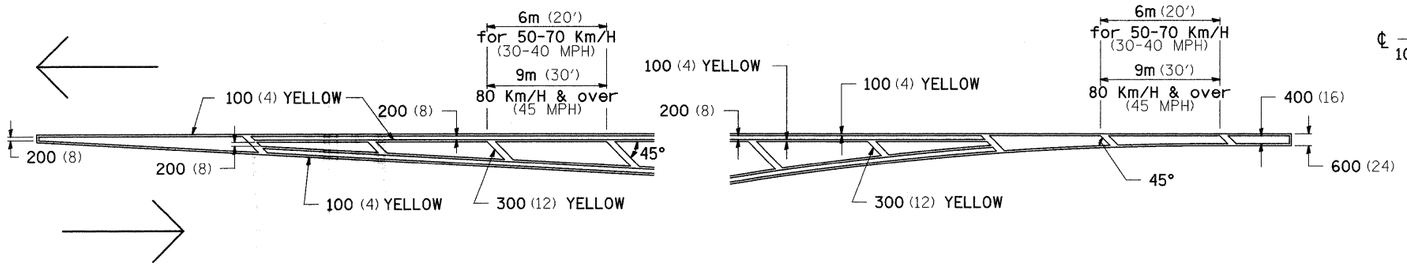
TYPICAL APPLICATION FOR ROAD CLOSURE

FILE NAME = c:\projects\p202604\d02604sp1.dgn	USER NAME = grantpm	DESIGNED -	REVISED - 1-11-08	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	REGION 2 / DISTRICT 2 STANDARD				
		DRAWN -	REVISED -						
	PLOT SCALE = 50.0000 '/ IN.	CHECKED -	REVISED -		SCALE:	SHEET NO. OF SHEETS	STA.	TO STA.	
	PLOT DATE = Fri Aug 01 13:21:24 2008	DATE -	REVISED -						

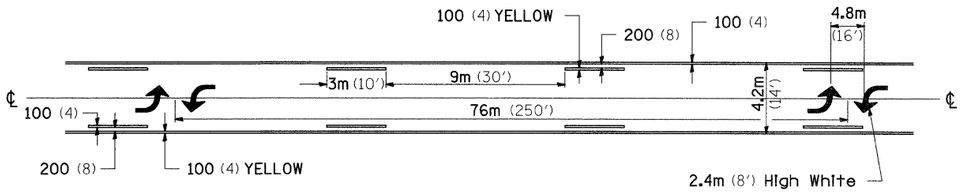
F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2076	101T-1	CARROLL	31	24
		CONTRACT NO. 64979		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

TYPICAL PAVEMENT MARKINGS

TYPICAL PAVEMENT MARKING FOR FLUSH MEDIAN AT LEFT TURN LANE

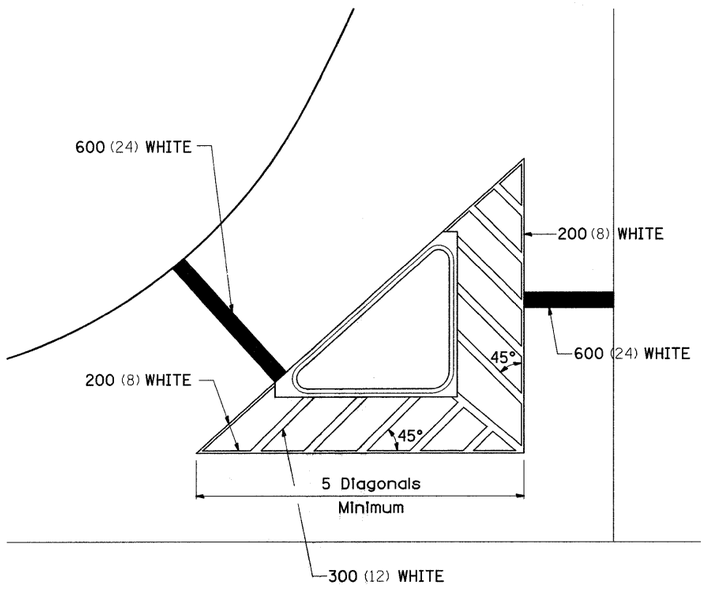


MEDIAN PAVEMENT MARKING

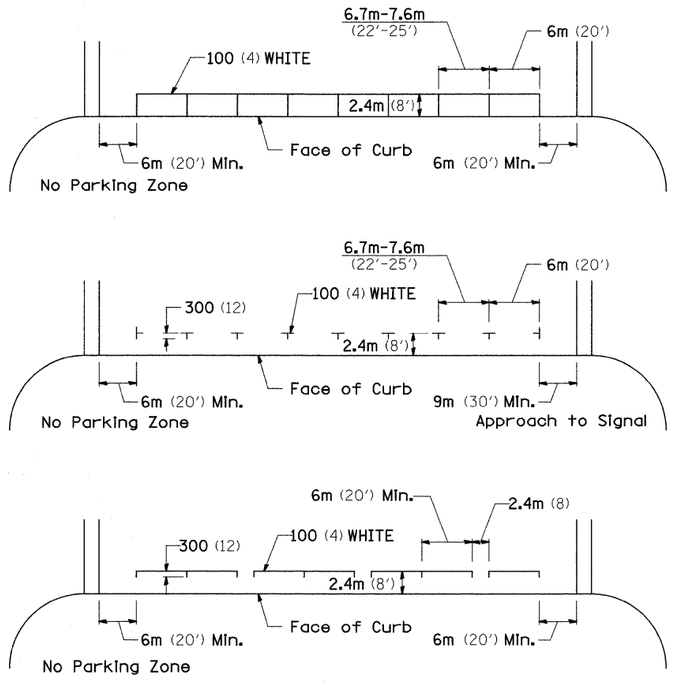


** ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE NOTED.

TYPICAL ISLAND OFFSET SHOULDER WIDTH

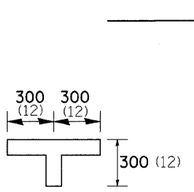


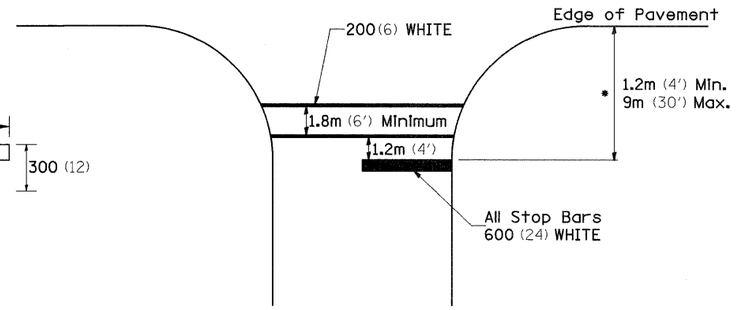
TYPICAL PARKING SPACING



STANDARD CROSSWALK MARKING

See Schedules for Locations



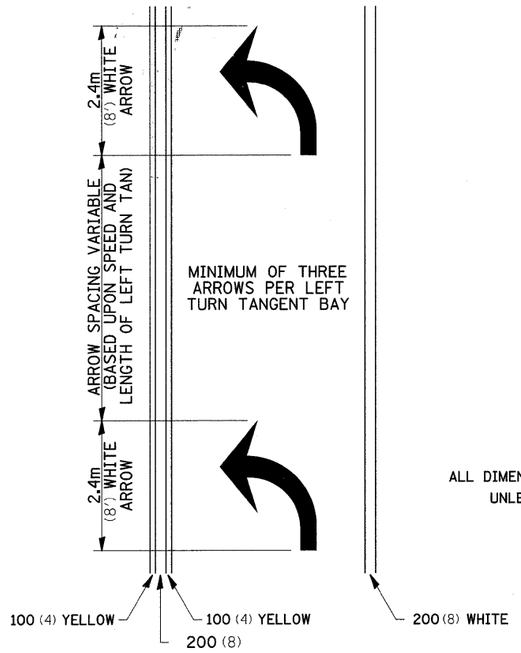


* Distance to the nearest edge of the intersecting roadway in the absence of a marked crosswalk.

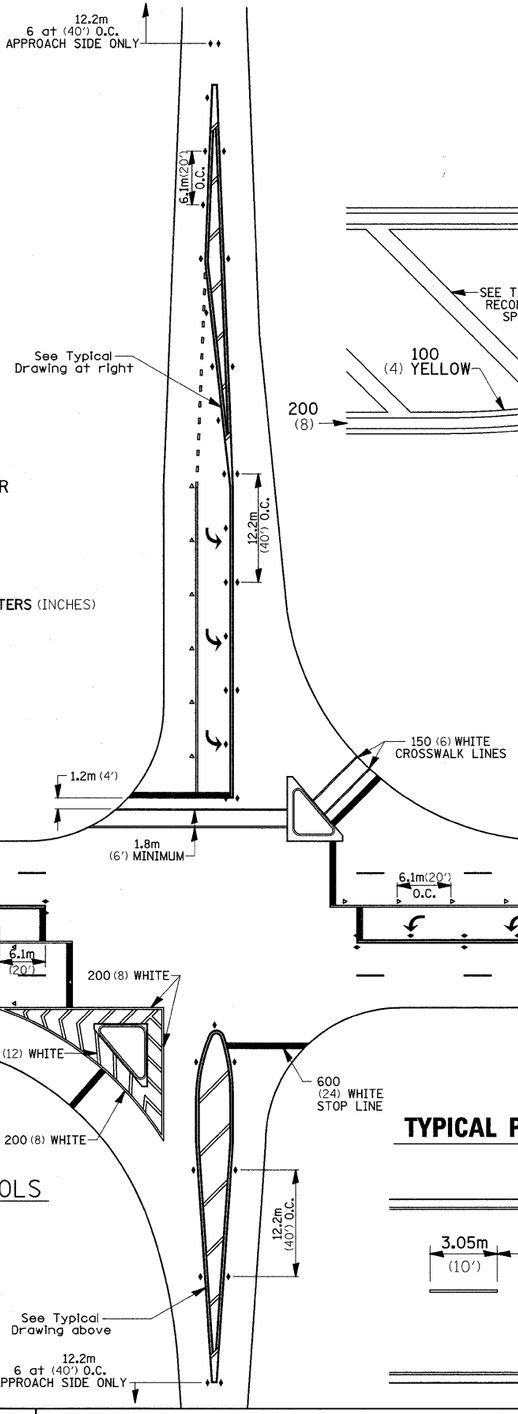
FILE NAME = c:\projects\p202604\d02604spl.dgn	USER NAME = grantpm	DESIGNED -	REVISED - 1-11-08	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	REGION 2 / DISTRICT 2 STANDARD	F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -			2076	101T-1	CARROLL	31	25
	PLOT SCALE = 50.0000 ' / IN.	CHECKED -	REVISED -					CONTRACT NO. 64979		
	PLOT DATE = Fri Aug 01 13:21:24 2008	DATE -	REVISED -		SCALE: SHEET NO. OF SHEETS STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

TYPICAL PAVEMENT MARKINGS

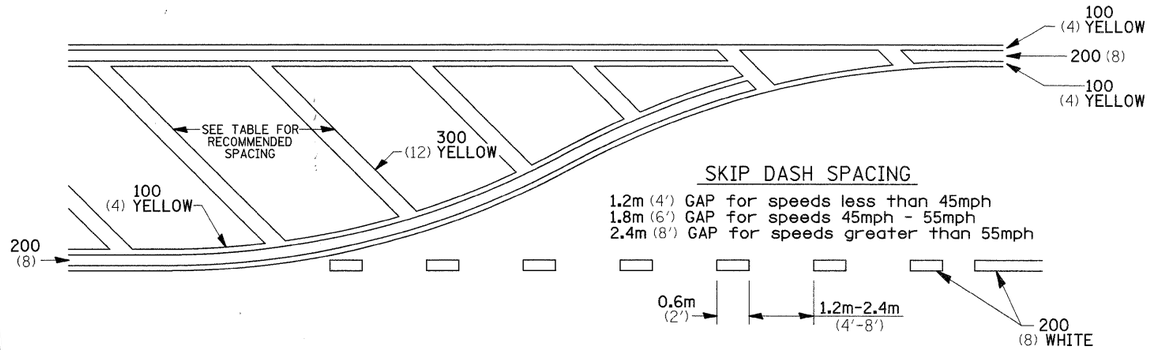
ARROW LAYOUT



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



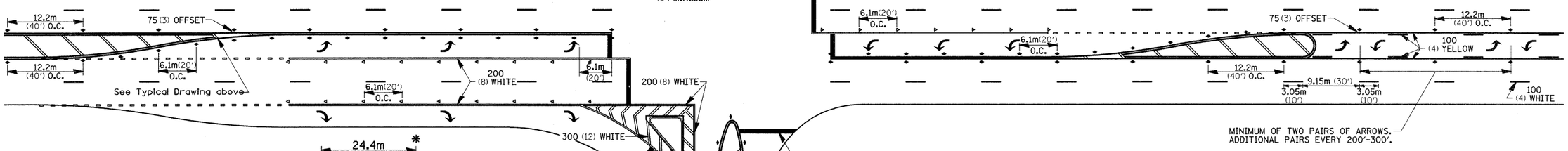
TYPICAL PAVEMENT MARKING FOR FLUSH MEDIAN

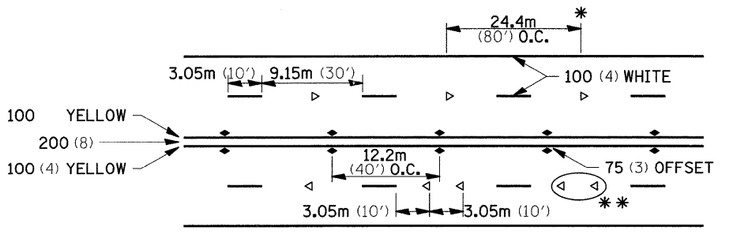


RECOMMENDED SPACING BETWEEN DIAGONALS (IN FEET)

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.





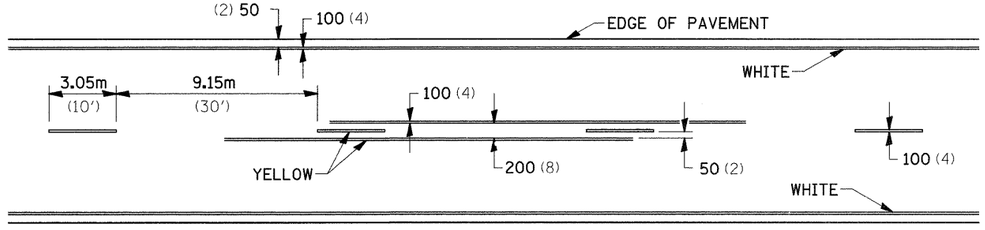
* REDUCE TO 12.2m (40') O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 15Km/H (10MPH) LOWER THAN POSTED SPEEDS.

** USE DOUBLE MARKERS WHEN ADT ≥ 25,000

SYMBOLS

MULTI-LANE / UNDIVIDED

TYPICAL PAVEMENT MARKING FOR TWO LANE SECTION – NO PASSING ZONES



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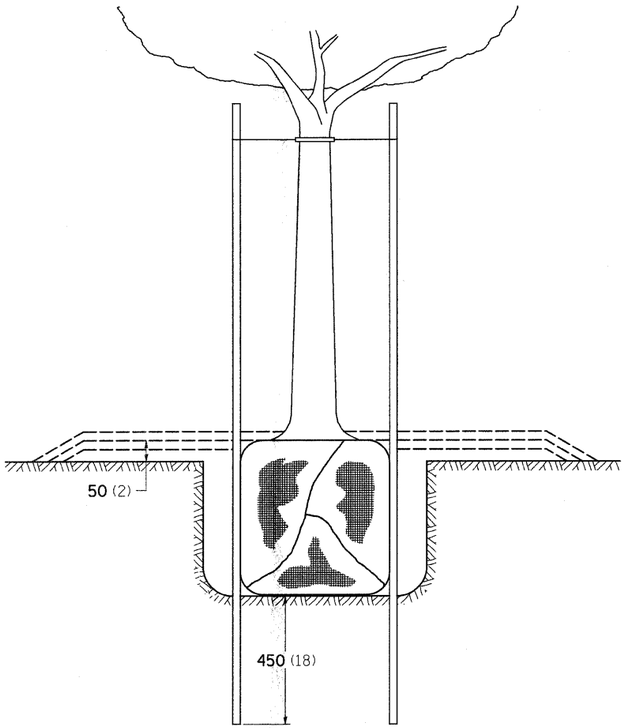
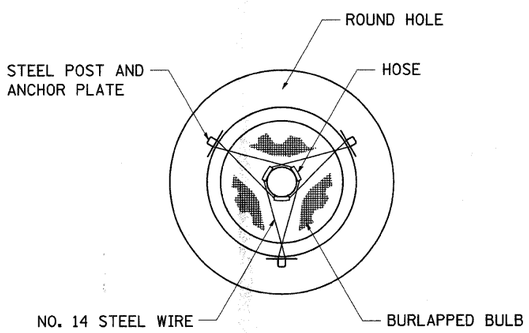
		DRAWN -	REVISED -					2076	101T-1	CARROLL	31	26
	PLOT SCALE = 50.0000 ' / IN.	CHECKED -	REVISED -							CONTRACT NO. 64979		
	PLOT DATE = Fri Aug 01 13:21:23 2008	DATE -	REVISED -		SCALE:	SHEET NO. OF SHEETS	STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

DETAILS OF PLANTING AND BRACING TREES

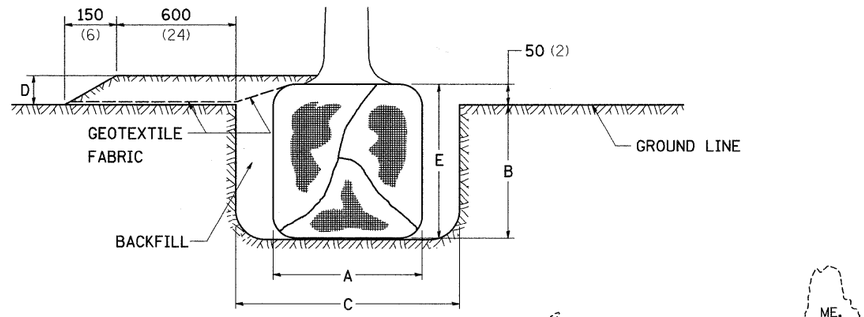


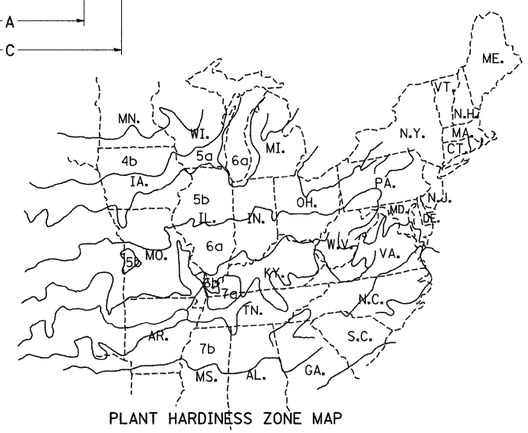
TREES SMALLER THAN 115 (4 1/2) IN DIAMETER



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

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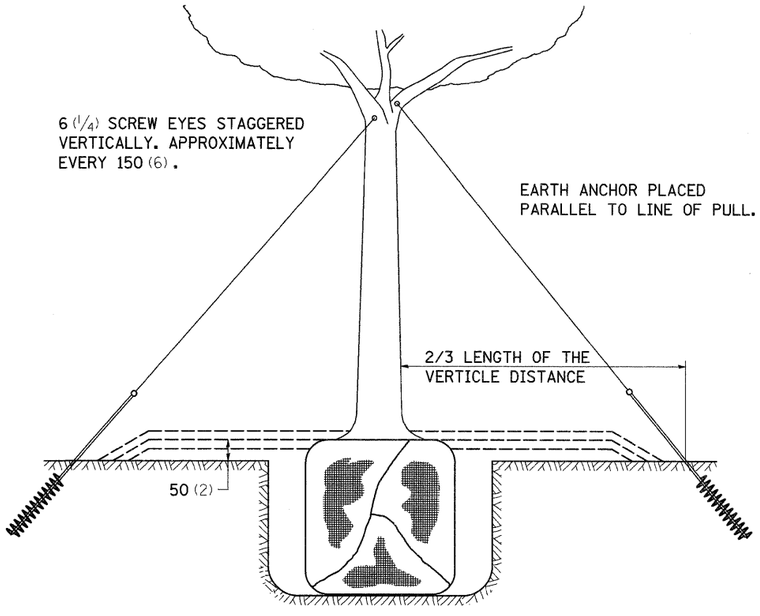
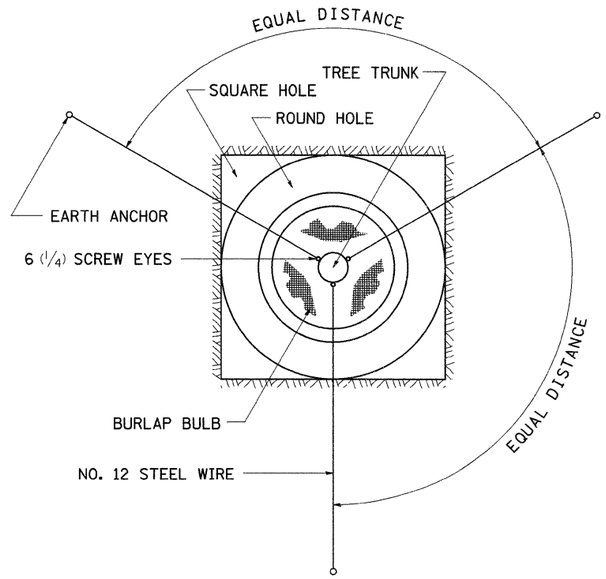
AGRICULTURAL RESEARCH SERVICE
PUBLICATION NO. 814



TREES OVER 115 (4 1/2) IN DIAMETER



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

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		DRAWN -	REVISED -			2076	101T-1	CARROLL	31	27
	PLOT SCALE = 50.0000 ' / IN.	CHECKED -	REVISED -					CONTRACT NO. 64979		
	PLOT DATE = Fri Aug 01 13:21:23 2008	DATE -	REVISED -		SCALE: SHEET NO. OF SHEETS STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 64979

F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2076	101T-1	CARROLL	31	28
STA. 242+00.00		TO STA. 244+00.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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

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

PLOT DATE = Fri Aug 01 13:17:59 2008
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PLOT SCALE = 1.0000 '/ IN.
USER NAME = grantpm

ARGO FAY ROAD

PLOT DATE = Fri Aug 01 13:17:59 2008
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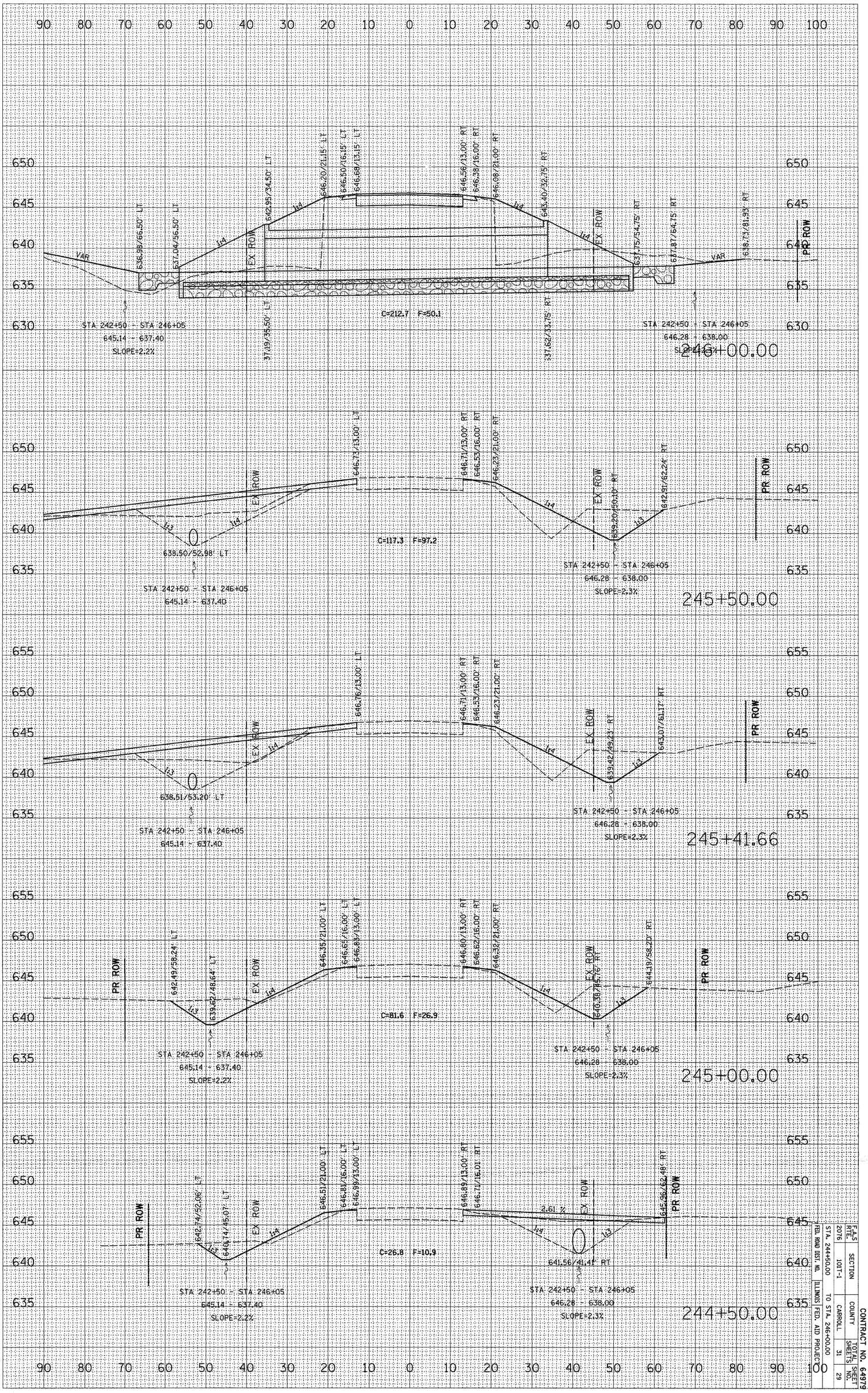
PLOT SCALE = 10.5882 ' / IN.
USER NAME = grantpm

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

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



ARGO FAY ROAD

CONTRACT NO. 64979

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2076	10T-1	CARROLL	31	29
STA. 244+50.00	TO STA. 246+00.00			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

PLOT DATE = Fri Aug 01 13:18:00 2008
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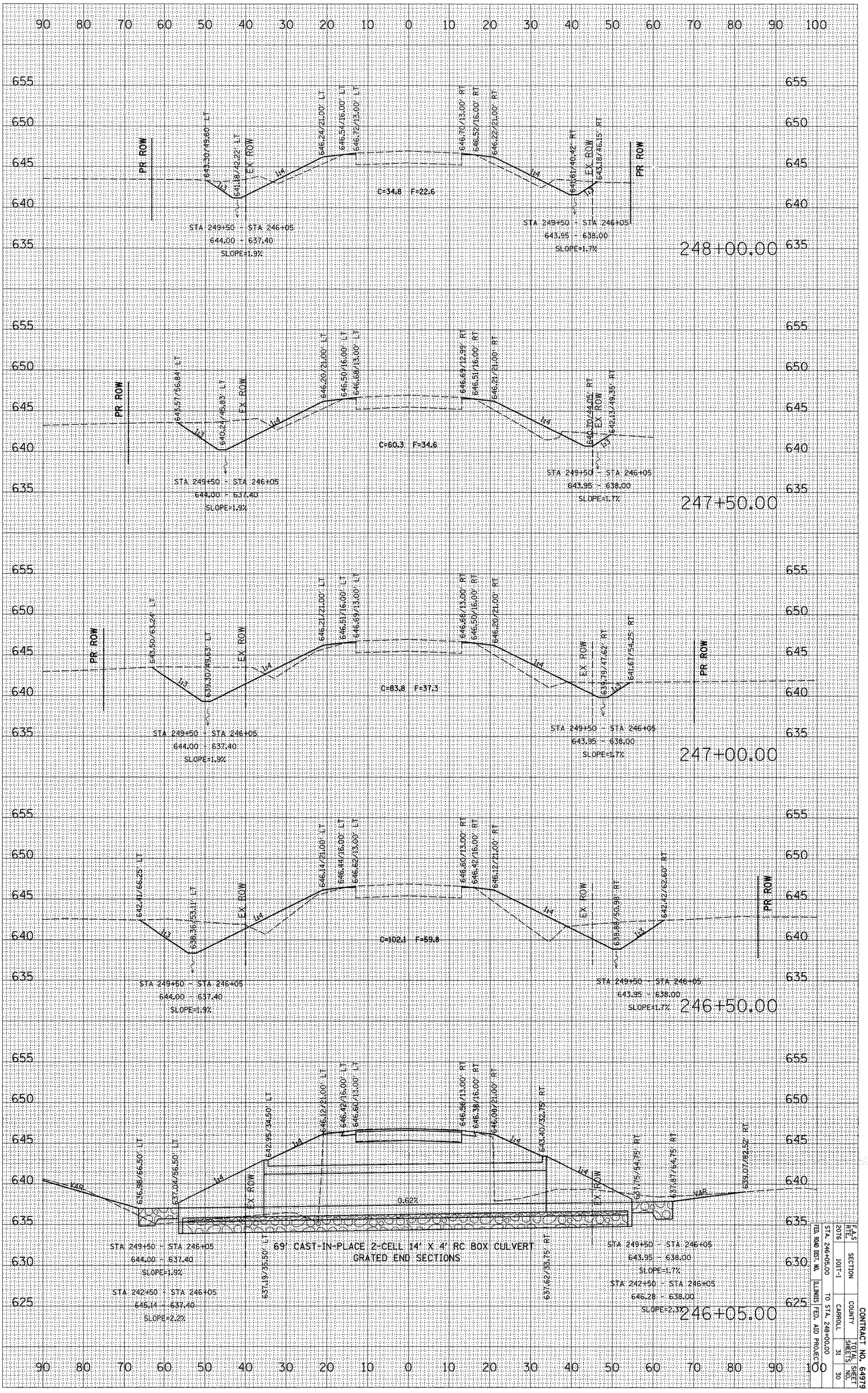
PLOT SCALE = 10.5882 ' / IN.
USER NAME = grantpm

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

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



F.A.S. RTE.	STA. 246+05.00	TO STA. 248+00.00	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT
2076	SECTION	10T-1	COUNTY	CARROLL	TOTAL SHEETS 31	SHEET NO. 30

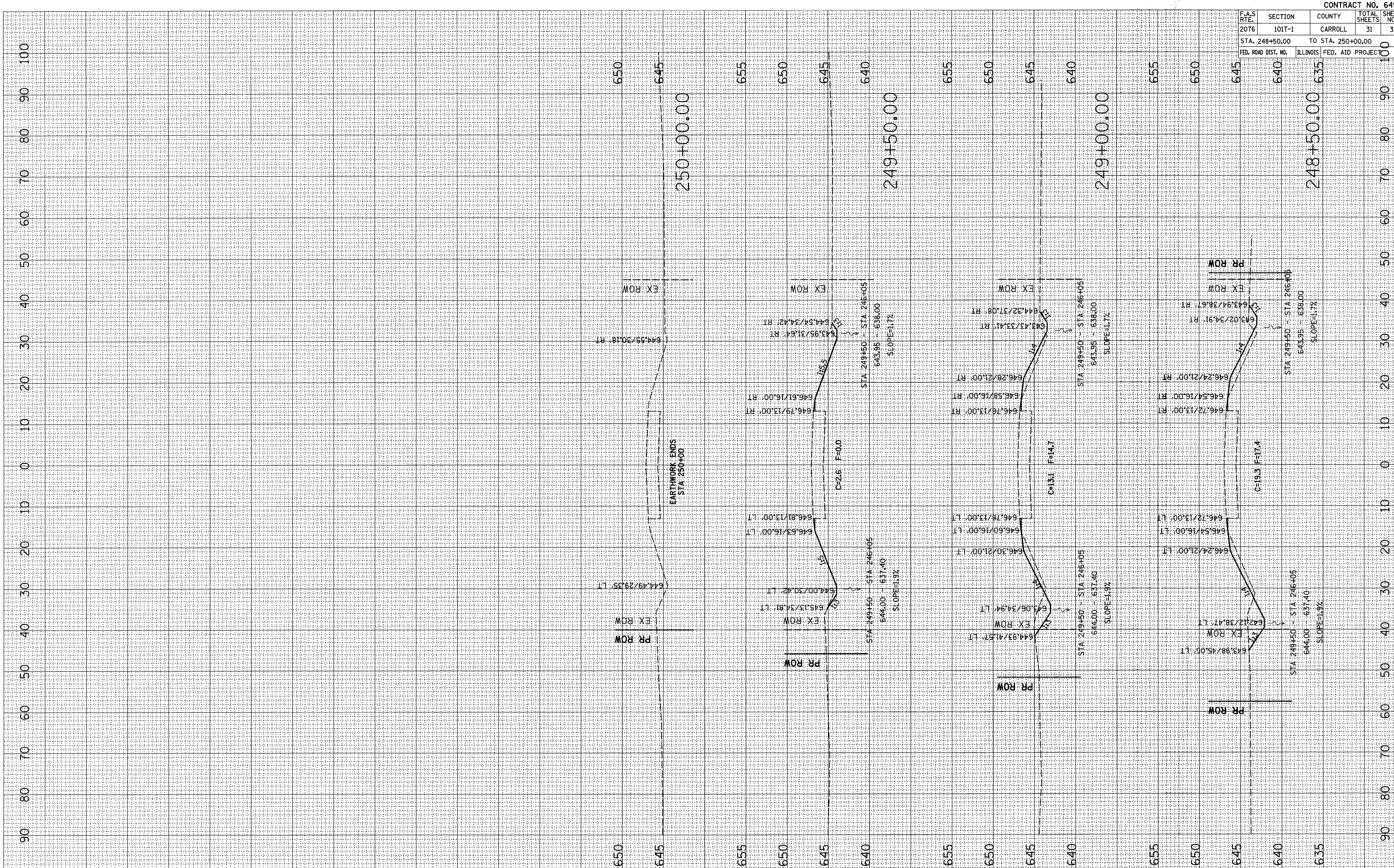
CONTRACT NO. 64979

CONTRACT NO. 64979

F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2076	101T-1	CARROLL	31	31

STA. 248+50.00 TO STA. 250+00.00

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



ARGO FAY ROAD