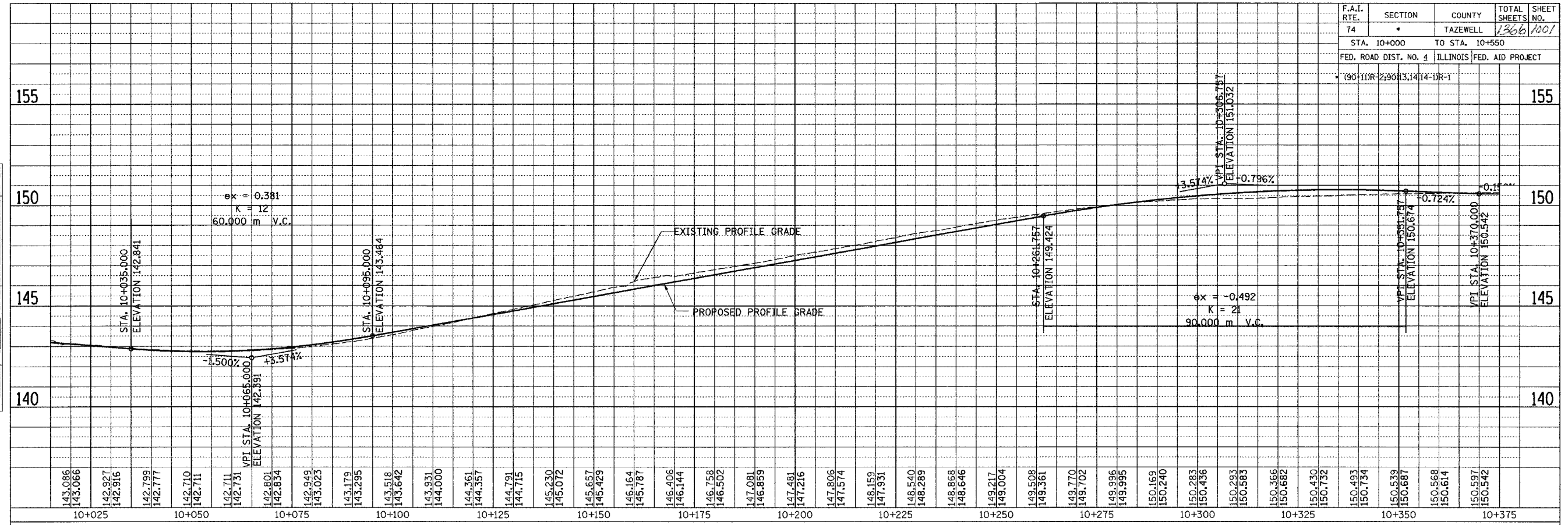
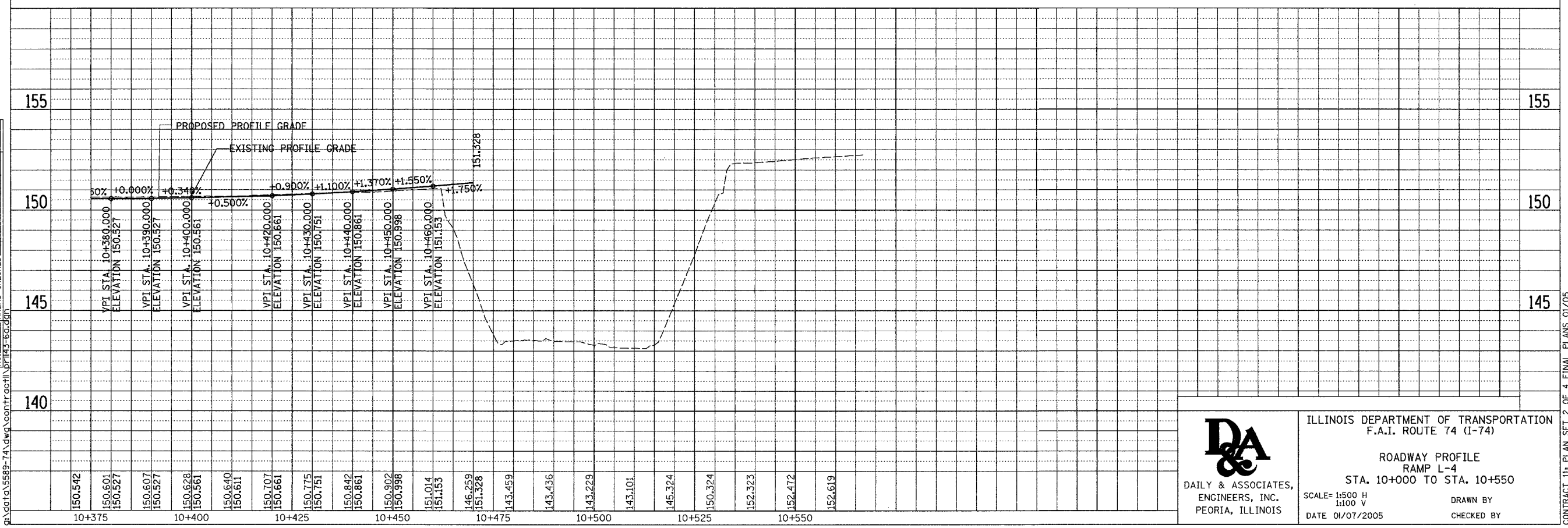


F.A.I. RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	*	TAZEWELL	1306	1001
STA. 10+000		TO STA. 10+550		
FED. ROAD DIST. NO. 4		ILLINOIS FED. AID PROJECT		
* (90-111R-2, 90-114-1R-1)				


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



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



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DAILY & ASSOCIATES, ENGINEERS, INC.
 PEORIA, ILLINOIS

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. ROUTE 74 (I-74)

ROADWAY PROFILE
 RAMP L-4
 STA. 10+000 TO STA. 10+550

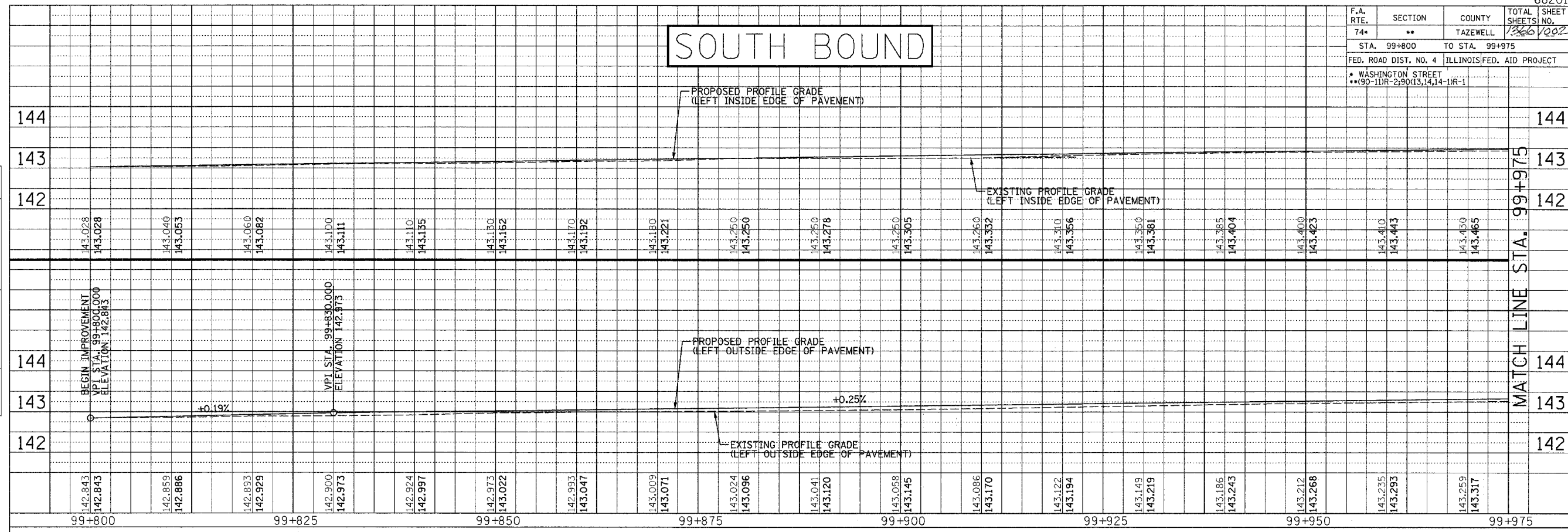
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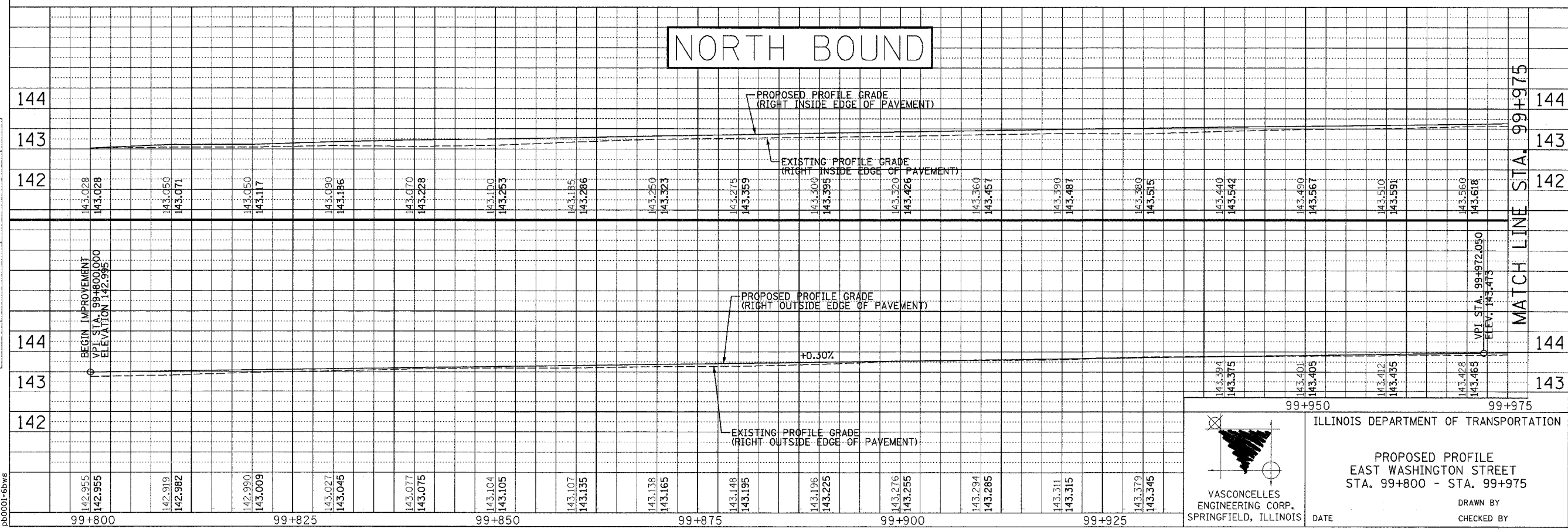
CONTRACT 11: PLAN SET 2 OF 4 FINAL PLANS 01/05

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74*	**	TAZEWELL	1266	1002
STA. 99+800		TO STA. 99+975		
FED. ROAD DIST. NO. 4 ILLINOIS FED. AID PROJECT				
* WASHINGTON STREET ** 90-1DR-2, 90(13,14,14-1)R-1				

SOUTH BOUND



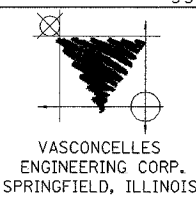
NORTH BOUND



SCALE
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V 1: 50

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

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



ILLINOIS DEPARTMENT OF TRANSPORTATION

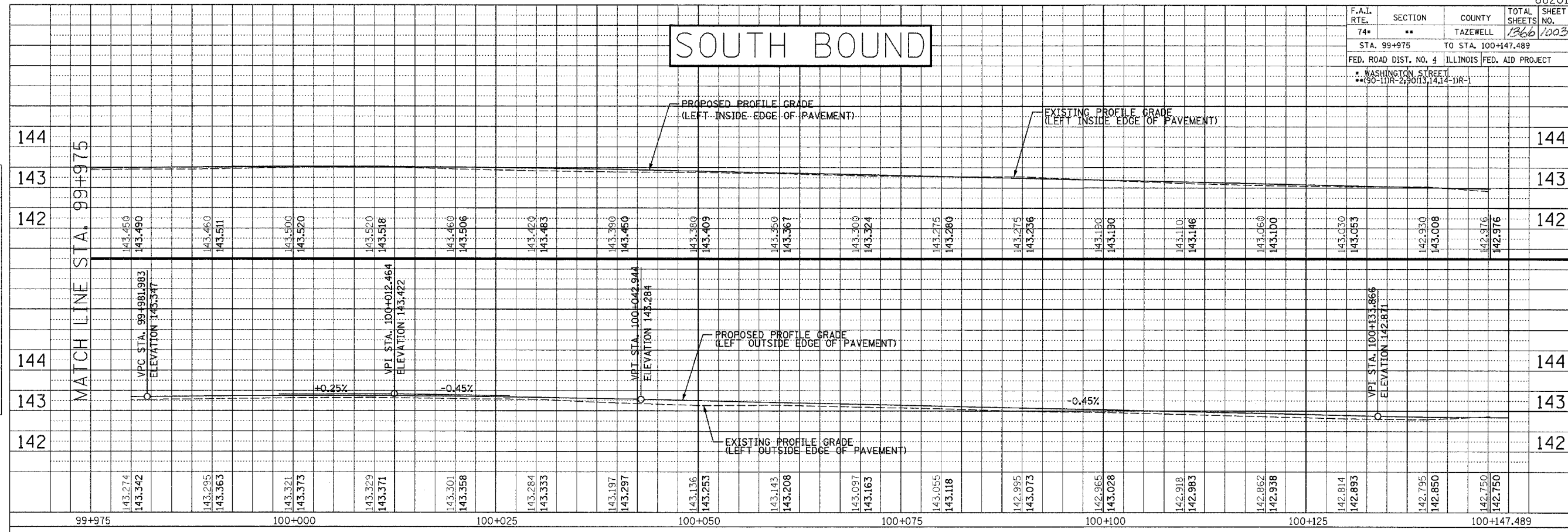
PROPOSED PROFILE
EAST WASHINGTON STREET
STA. 99+800 - STA. 99+975

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CHECKED BY _____

DATE _____

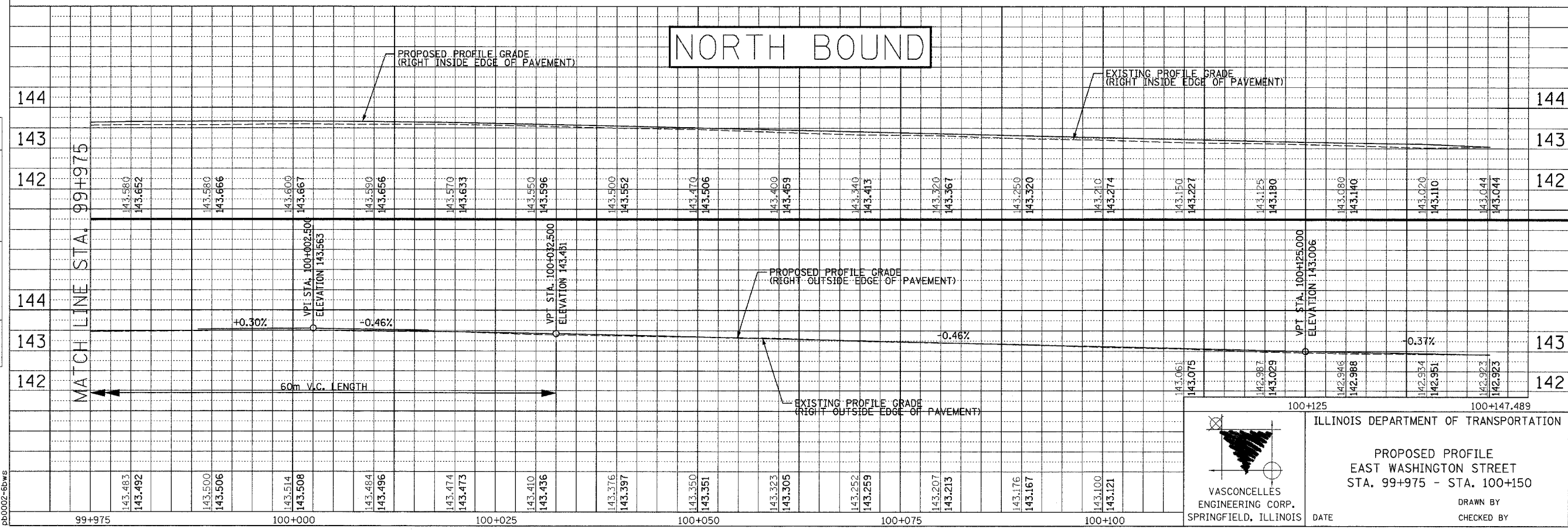
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74*	**	TAZEWELL	1366	1003
STA. 99+975		TO STA. 100+147.489		
FED. ROAD DIST. NO. 4 ILLINOIS FED. AID PROJECT				
* WASHINGTON STREET ** (90-11)R-290(13,14,14-1R-1)				

SOUTH BOUND

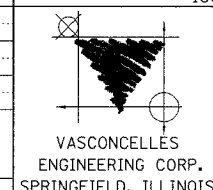


FINAL SURVEYED	BY	DATE
SURVEY PLOTTED		
NOTE BOOK TEMPLATE		
AREAS CHECKED		
NO.		

NORTH BOUND



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



ILLINOIS DEPARTMENT OF TRANSPORTATION

PROPOSED PROFILE
EAST WASHINGTON STREET
STA. 99+975 - STA. 100+150

DATE _____ DRAWN BY _____
CHECKED BY _____

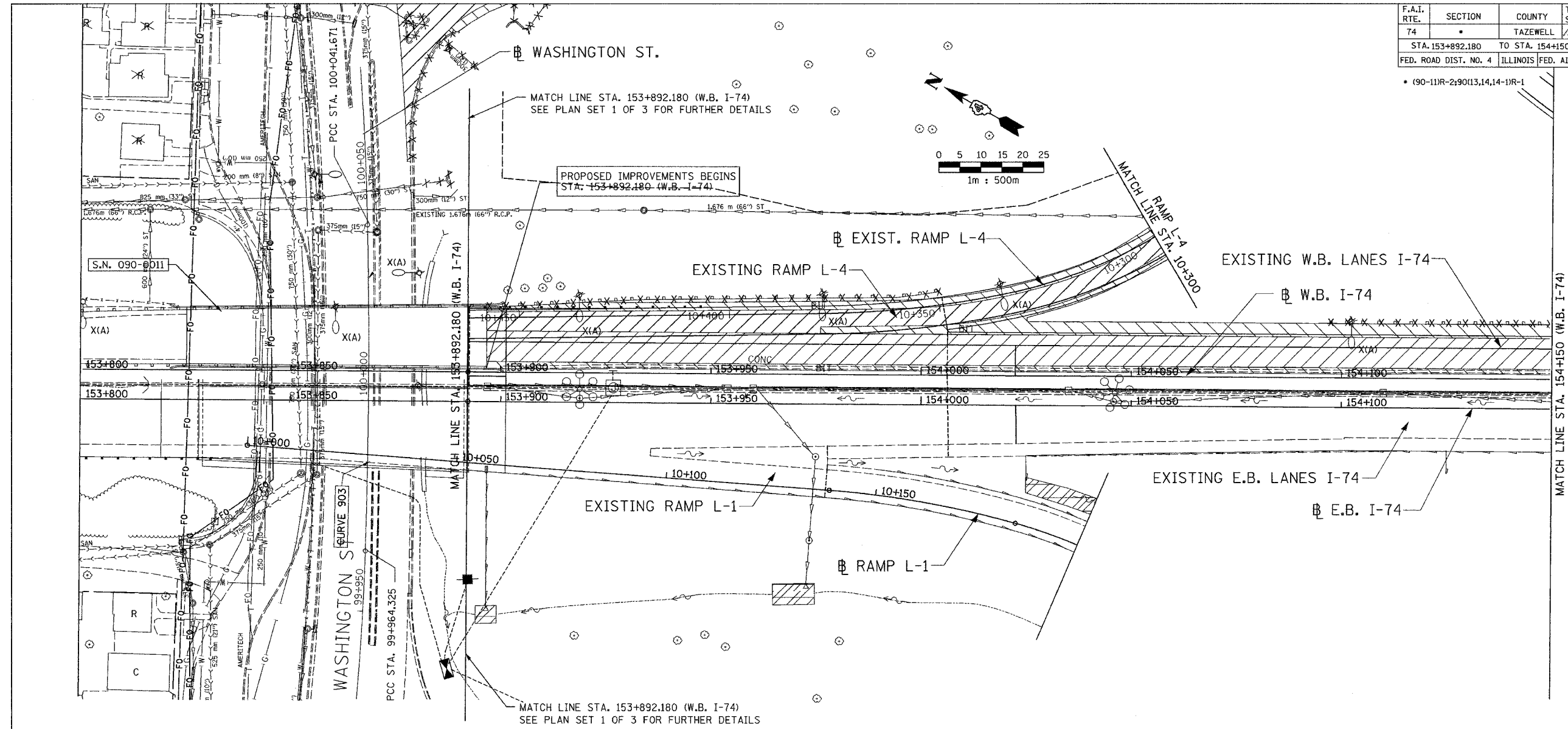
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CONTRACT 111 PLAN SET 2 OF 3 PRE-FINAL 02/02/04 VEC 23 OF 53. JOB NO. 751-001 VASCONCELLES ENGINEERING CORP. DESIGN FIRM REGISTRATION NUMBER 18--002107

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS NO.	SHEET NO.
74		TAZEWELL	1366	1004
STA. 153+892.180 TO STA. 154+150		ILLINOIS FED. AID PROJECT		

* 190-111R-2; 9013, 14, 14-11R-1



EXISTING		LEGEND	
	LIGHT POLE TO BE REMOVED (BY OTHERS)		STRUCTURE TO BE REMOVED
	CATCH BASIN		ITEM TO BE ABANDONED
	INLET		ITEM TO BE RELOCATED
	MANHOLE		STORM SEWER REMOVAL
	SAG		COMBINATION SEWER REMOVAL
	SUMMIT		PAVEMENT REMOVAL
	DITCH		SHOULDER REMOVAL
	SWALE		GUARDRAIL REMOVAL
	PIPE UNDERDRAIN		PAVED DITCH REMOVAL
	SANITARY SEWER (LOCATION OF RECORD)		RIGHT-OF-WAY
	STORM SEWER		CONSTRUCTION LIMITS
	COMBINATION SEWER		
	CULVERT		
	CONCRETE HEADWALL		
	FLOW DIRECTION		
	GAS (LOCATION OF RECORD)		
	TELEPHONE (LOCATION OF RECORD)		
	WATER (LOCATION OF RECORD)		
	DITCH		

ALL DIMENSIONS ARE IN METERS (m) EXCEPT AS NOTED

SHEET 1 OF 12

ALL STATIONS INDICATED ARE WESTBOUND STATIONING UNLESS OTHERWISE NOTED.

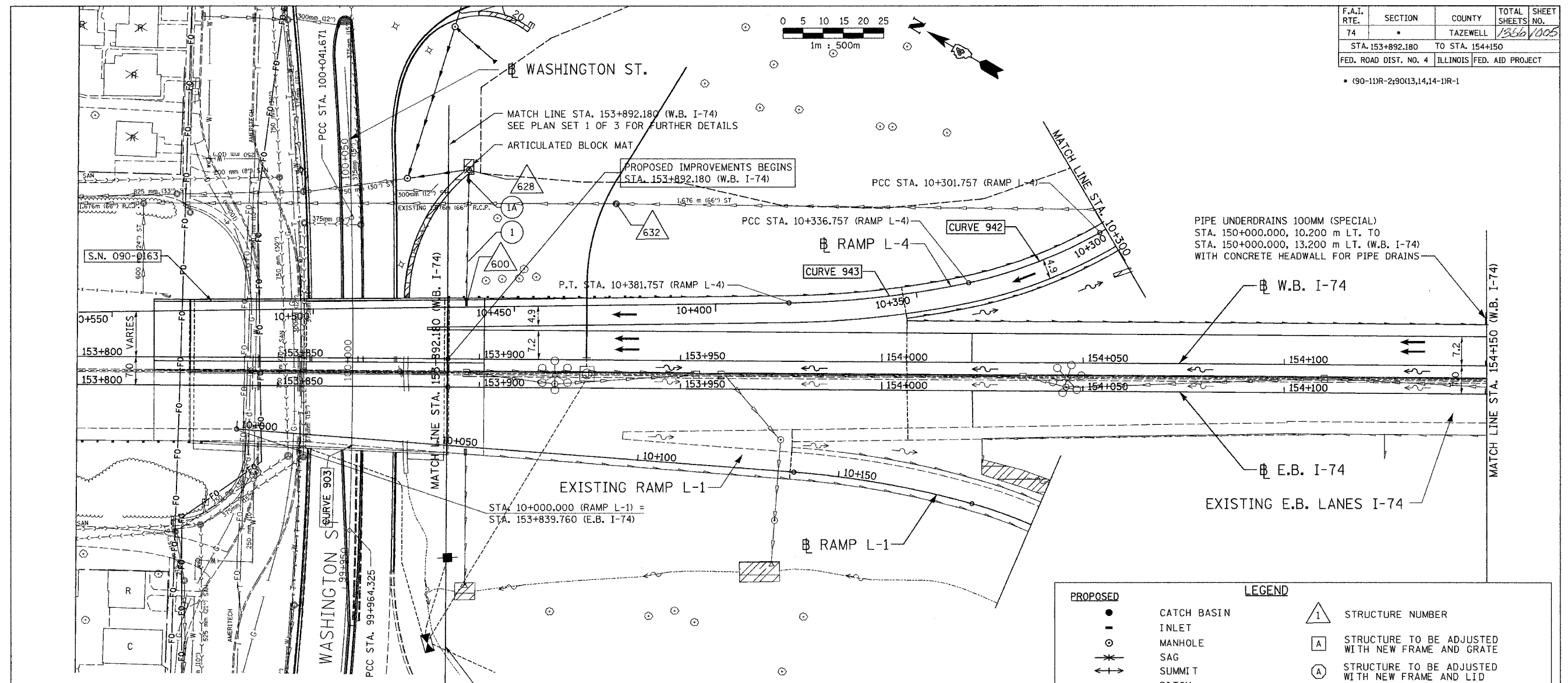
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DAILY & ASSOCIATES, ENGINEERS, INC.
PEORIA, ILLINOIS

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
EXISTING DRAINAGE & UTILITIES PLAN
F.A.I. ROUTE 74 (I-74)
STA. 153+892.180 TO STA. 154+150
DATE 01/07/2005
DRAWN BY
CHECKED BY

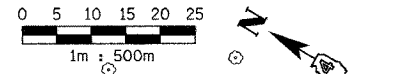
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CONTRACT 11: PLAN SET 2 OF 4 FINAL PLANS 01/05



F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS NO.	SHEET NO.
74	*	TAZEWELL	1356	1005
STA. 153+892.180		TO STA. 154+150		
FED. ROAD DIST. NO. 4		ILLINOIS FED. AID PROJECT		

• (90-11)R-2;90(13,14,14-1)R-1



PIPE UNDERDRAINS 100MM (SPECIAL)
 STA. 150+000.000, 10.200 m LT. TO
 STA. 150+000.000, 13.200 m LT. (W.B. I-74)
 WITH CONCRETE HEADWALL FOR PIPE DRAINS

PROPOSED

- CATCH BASIN
- INLET
- MANHOLE
- ~ SAG
- ⇄ SUMMIT
- ⇄ DITCH
- SWALE
- PIPE UNDERDRAIN
- SANITARY SEWER
- STORM SEWER
- FLOW DIRECTION
- END SECTION
- CULVERT
- RIGHT-OF-WAY
- CONSTRUCTION LIMITS

EXISTING

- G — GAS (LOCATION OF RECORD)
- S — SANITARY (LOCATION OF RECORD)
- T — TELEPHONE (LOCATION OF RECORD)
- W — WATER (LOCATION OF RECORD)
- DITCH

LEGEND

- 1 STRUCTURE NUMBER
- A STRUCTURE TO BE ADJUSTED WITH NEW FRAME AND GRATE
- Ⓐ STRUCTURE TO BE ADJUSTED WITH NEW FRAME AND LID
- Ⓜ STORM SEWER PIPE NUMBER
- C STRUCTURE TO BE CLEANED
- F STRUCTURE TO BE FILLED
- REC STRUCTURE TO BE RECONSTRUCTED WITH NEW FRAME AND LID
- ADJ STRUCTURE TO BE ADJUSTED

STORM SEWER PIPE SCHEDULE

PIPE NUMBER	FROM		TO		PIPE DRAINS 300	SLOPE	BACKFILL (CU M)
	STRUCTURE	INVERT	STRUCTURE	INVERT			
1A	ELBOW	141.230	628	141.200	3.0	1.00%	0.0
1	600	150.472	ELBOW	141.230	33.6	27.50%	0.0

STORM SEWER STRUCTURE SCHEDULE

STRUCTURE NUMBER	LOCATION		STRUCTURE		RIM ELEVATION			INVERTS		NOTES
	STATION	OFFSET	MH SPL, 1.2D	TY C INLET 609001	EB	WB	INSIDE BASE	1	2	
600	153+896.712	14.660 LT.		1			151.082	150.472	NE 150.472	
628										SEE PROPOSED DRAINAGE & UTILITIES PLAN FOR RAMP L-4.
632	153+933.720	38.657 LT.	1			146.05	140.520			

ALL DIMENSIONS ARE IN METERS (m) EXCEPT AS NOTED

SHEET 2 OF 12

ALL STATIONS INDICATED ARE WESTBOUND STATIONING UNLESS OTHERWISE NOTED.

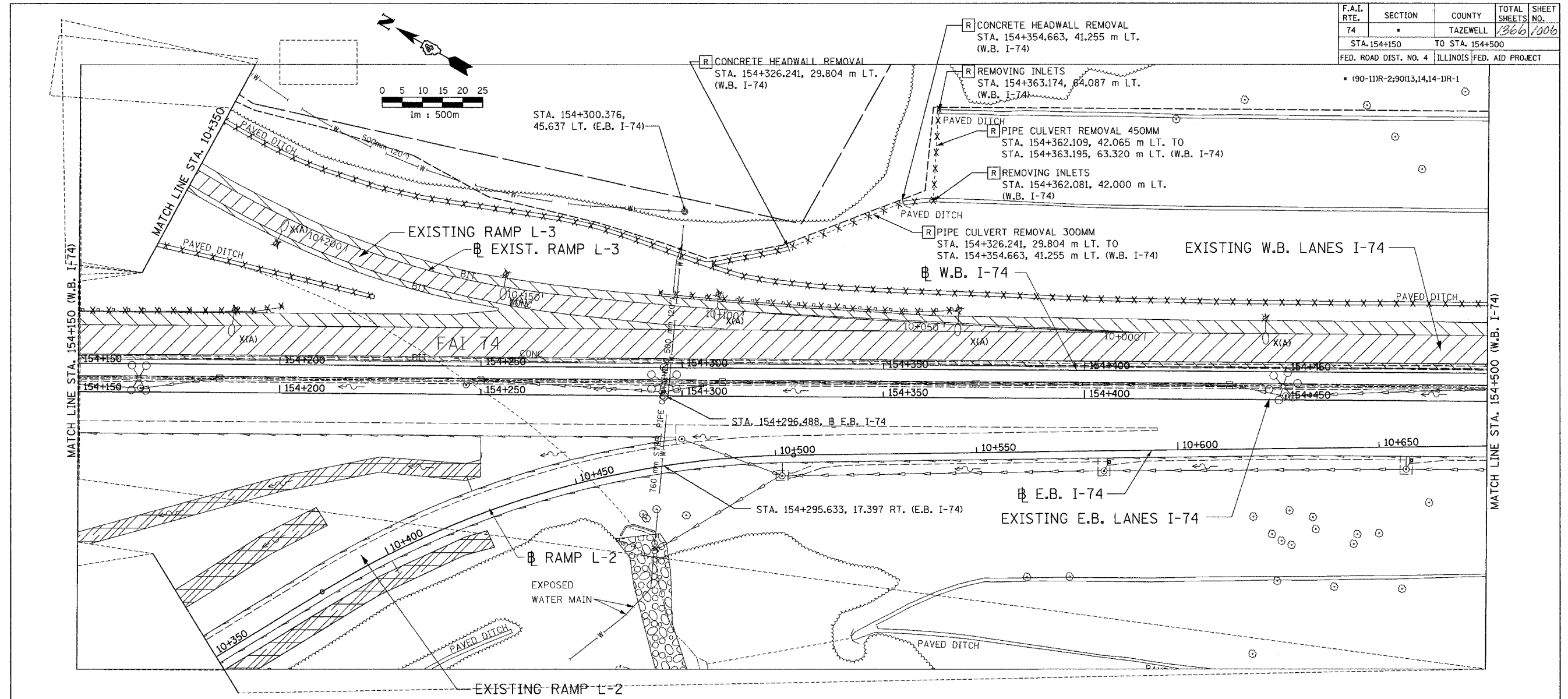


REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 PROPOSED DRAINAGE & UTILITIES PLAN
 F.A.I. ROUTE 74 (I-74)
 STA. 153+892.180 TO STA. 154+150
 DRAWN BY
 CHECKED BY
 DATE 01/07/2005

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CONTRACT 11: PLAN SET 2 OF 4 FINAL PLANS 01/05



F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	*	TAZEWELL	1366	1006
STA. 154+150		TO STA. 154+500		
FED. ROAD DIST. NO. 4		ILLINOIS FED. AID PROJECT		

EXISTING		LEGEND	
	LIGHT POLE TO BE REMOVED (BY OTHERS)		STRUCTURE TO BE REMOVED
	CATCH BASIN		ITEM TO BE ABANDONED
	INLET		ITEM TO BE RELOCATED
	MANHOLE		STORM SEWER REMOVAL
	SAG		COMBINATION SEWER REMOVAL
	SUMMIT		RIGHT-OF-WAY
	DITCH		CONSTRUCTION LIMITS
	SWALE		PAVEMENT REMOVAL
	PIPE UNDERDRAIN		SHOULDER REMOVAL
	SANITARY SEWER (LOCATION OF RECORD)		GUARDRAIL REMOVAL
	STORM SEWER		PAVED DITCH REMOVAL
	COMBINATION SEWER		
	CULVERT		
	CONCRETE HEADWALL		
	FLOW DIRECTION		
	GAS (LOCATION OF RECORD)		
	TELEPHONE (LOCATION OF RECORD)		
	WATER (LOCATION OF RECORD)		
	DITCH		

ALL DIMENSIONS ARE IN METERS (m) EXCEPT AS NOTED

DA
DAILY & ASSOCIATES,
ENGINEERS, INC.
PEORIA, ILLINOIS

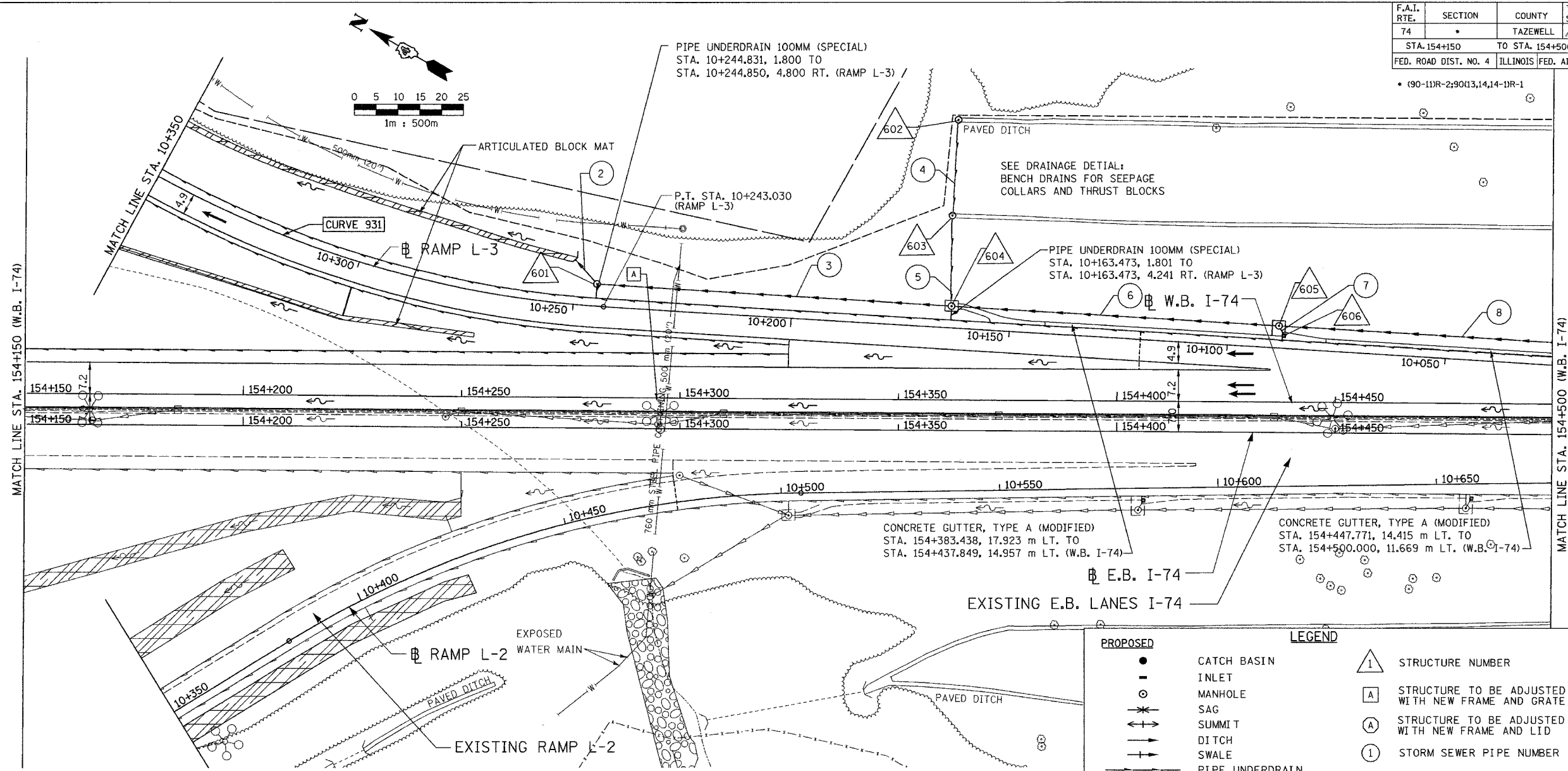
REVISIONS	
NAME	DATE

SHEET 3 OF 12
ALL STATIONS INDICATED ARE WESTBOUND STATIONING UNLESS OTHERWISE NOTED.
ILLINOIS DEPARTMENT OF TRANSPORTATION
EXISTING DRAINAGE & UTILITIES PLAN
F.A.I. ROUTE 74 (I-74)
STA. 154+150 TO STA. 154+500
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DATE 01/07/2005

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CONTRACT 11: PLAN SET 2 OF 4 FINAL PLANS 01/05

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	*	TAZEWELL	1007	1007
STA. 154+150		TO STA. 154+500		
FED. ROAD DIST. NO. 4		ILLINOIS FED. AID PROJECT		



STORM SEWER PIPE SCHEDULE

PIPE NUMBER	FROM		TO		STORM SEWER CL. A 2 600	STORM SEWER CL. A 3 750	PIPE DRAIN 375	PIPE DRAIN 450	SLOPE	BACKFILL (CU M)
	STRUCTURE	INVERT	STRUCTURE	INVERT						
2	601	155.474	OUTLET	155.398					1.09%	13.4
3	604	156.773	601	155.874		7.0			1.12%	309.2
4	602	175.800	603	166.470		80.0			38.88%	**
5	603	166.370	604	158.773			24.0		35.33%	**
6	605	159.674	604	158.773		74.0			1.22%	275.0
7	606	162.313	605	161.892			21.5		20.00%	0.9
8	608	162.085	605	161.024	74.0		2.1		1.44%	255.2

** USE EXCAVATED MATERIAL FOR TRENCH, INCLUDED IN THE PRICE OF PIPE.

STORM SEWER STRUCTURE SCHEDULE

STRUCTURE NUMBER	LOCATION		STRUCTURE		RIM ELEVATION		INVERTS				REMARKS		
	STATION	OFFSET	MH A 1.2D TIF CL	MH A 1.2M T37G	EB	WB	INSIDE BASE	1	2	3		4	
601	154+280.817	25.822 LT.	1				155.674	N 155.474	SE 155.874				
602*	154+362.000	64.283 LT.		1			177.600	SW 175.000					
603*	154+362.000	42.330 LT.		1			168.270	SW 166.370	NE 166.470				
604	154+362.000	21.382 LT.			1		160.573	NW 156.773	SE 158.773	NE 158.773			*1.8M MANHOLE
605	154+437.000	17.298 LT.			1		162.824	NW 159.674	SE 161.024	S 161.892			*1.2M MANHOLE
606	154+438.140	15.080 LT.					162.313	N 162.313					

* LOCATION AND ELEVATION SHALL BE ADJUSTED AS NECESSARY TO FIT SITE CONDITIONS.

*SEE DRAINAGE DETAIL: INLETS, SPECIAL (MODIFIED)

PROPOSED

- CATCH BASIN
- INLET
- MANHOLE
- ~ SAG
- ↕ SUMMIT
- DITCH
- SWALE
- PIPE UNDERDRAIN
- SANITARY SEWER
- STORM SEWER
- FLOW DIRECTION
- END SECTION
- CULVERT
- RIGHT-OF-WAY
- CONSTRUCTION LIMITS

EXISTING

- G - GAS (LOCATION OF RECORD)
- S - SANITARY (LOCATION OF RECORD)
- T - TELEPHONE (LOCATION OF RECORD)
- W - WATER (LOCATION OF RECORD)
- D - DITCH

LEGEND

- ① STRUCTURE NUMBER
- [A] STRUCTURE TO BE ADJUSTED WITH NEW FRAME AND GRATE
- [A] STRUCTURE TO BE ADJUSTED WITH NEW FRAME AND LID
- ① STORM SEWER PIPE NUMBER
- [C] STRUCTURE TO BE CLEANED
- [F] STRUCTURE TO BE FILLED
- [REC] STRUCTURE TO BE RECONSTRUCTED WITH NEW FRAME AND LID
- [ADJ] STRUCTURE TO BE ADJUSTED

ALL DIMENSIONS ARE IN METERS (m) EXCEPT AS NOTED

SHEET 4 OF 12

ALL STATIONS INDICATED ARE WESTBOUND STATIONING UNLESS OTHERWISE NOTED.

ILLINOIS DEPARTMENT OF TRANSPORTATION

PROPOSED DRAINAGE & UTILITIES PLAN
F.A.I. ROUTE 74 (I-74)
STA. 154+150 TO STA. 154+500

DATE 01/07/2005

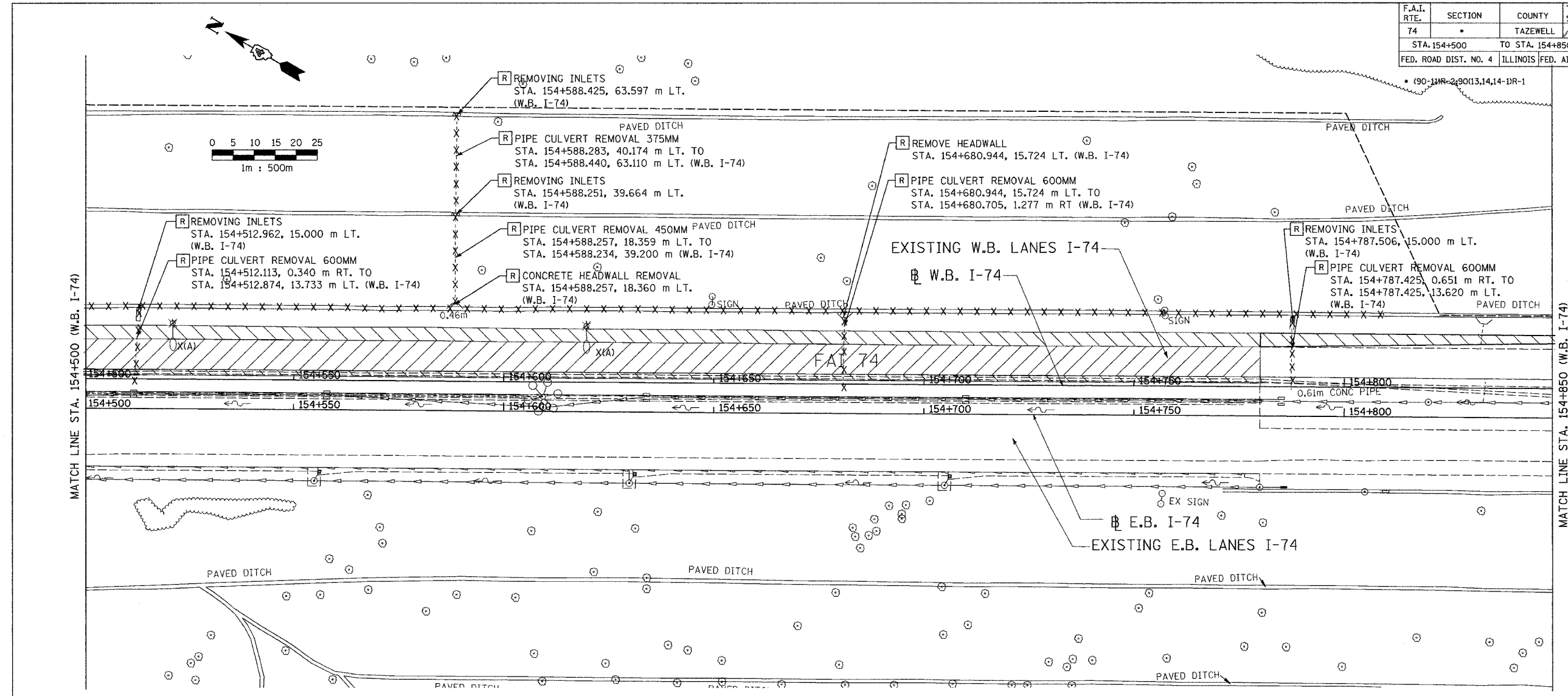
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CONTRACT 11: PLAN SET 2 OF 4 FINAL PLANS 01/05

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	*	TAZEWELL	1366	1008
STA. 154+500		TO STA. 154+850		
FED. ROAD DIST. NO. 4 ILLINOIS FED. AID PROJECT				



EXISTING

- * LIGHT POLE TO BE REMOVED (BY OTHERS)
- CATCH BASIN
- INLET
- MANHOLE
- ⊗ SAG
- ↑↑ SUMMIT
- DITCH
- SWALE
- PIPE UNDERDRAIN
- SANITARY SEWER (LOCATION OF RECORD)
- STORM SEWER
- COMBINATION SEWER
- CULVERT
- CONCRETE HEADWALL
- FLOW DIRECTION
- GAS (LOCATION OF RECORD)
- TELEPHONE (LOCATION OF RECORD)
- WATER (LOCATION OF RECORD)
- DITCH

LEGEND

- STRUCTURE TO BE REMOVED
- ITEM TO BE ABANDONED
- ITEM TO BE RELOCATED
- STORM SEWER REMOVAL
- COMBINATION SEWER REMOVAL
- PAVEMENT REMOVAL
- SHOULDER REMOVAL
- GUARDRAIL REMOVAL
- PAVED DITCH REMOVAL
- RIGHT-OF-WAY
- CONSTRUCTION LIMITS

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ALL DIMENSIONS ARE IN METERS (m) EXCEPT AS NOTED



REVISIONS	
NAME	DATE

SHEET 5 OF 12

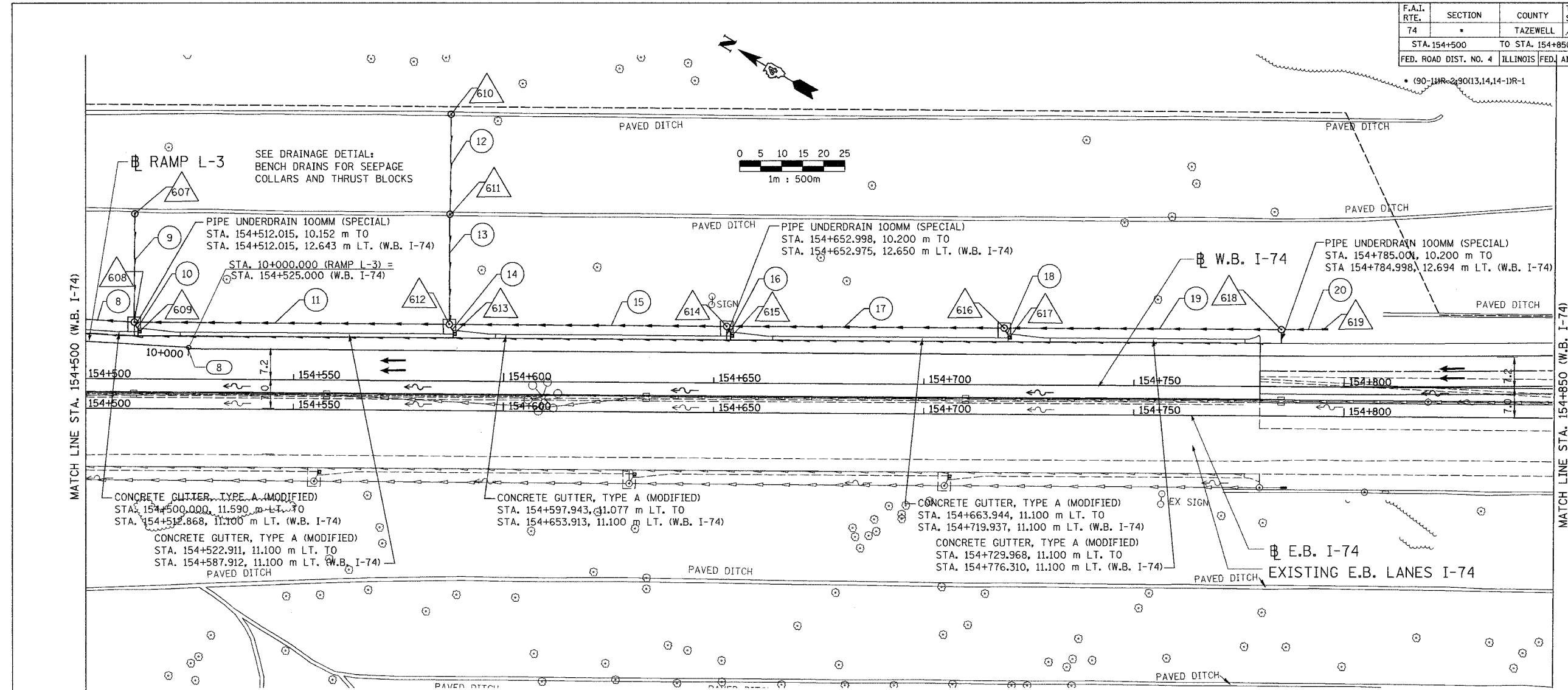
ALL STATIONS INDICATED ARE WESTBOUND STATIONING UNLESS OTHERWISE NOTED.

ILLINOIS DEPARTMENT OF TRANSPORTATION
 EXISTING DRAINAGE & UTILITIES PLAN
 F.A.I. ROUTE 74 (I-74)
 STA. 154+500 TO STA. 154+850

DATE 01/07/2005
 DRAWN BY
 CHECKED BY

CONTRACT 11: PLAN SET 2 OF 4 FINAL PLANS 01/05

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS NO.
74	*	TAZEWELL	136/1009
STA. 154+500 TO STA. 154+850		FED. ROAD DIST. NO. 4 ILLINOIS FED. AID PROJECT	



STORM SEWER PIPE SCHEDULE

PIPE NUMBER	FROM		TO		STORM SEWER CL A 2 600	PIPE DRAIN 375	PIPE DRAIN 450	SLOPE	BACKFILL (CU M)
	STRUCTURE	INVERT	STRUCTURE	INVERT					
8	608	162.085	605	161.024	74.0			1.44%	255.2
9	607	171.400	608	163.335		2.1	26.0	31.02%	**
10	609	164.622	608	164.203				20.00%	4.5
11	612	164.464	608	163.335	74.0			1.53%	244.8
12	610	183.150	611	173.560				39.14%	**
13	611	173.460	612	165.564				30.37%	**
14	613	166.852	612	166.432		2.1		20.00%	0.8
15	614	167.135	612	165.564	65.0			2.42%	180.9
16	615	168.832	614	168.412		2.1		20.00%	0.7
17	616	169.324	614	167.544	65.0			2.75%	162.1
18	617	170.812	616	170.392		2.1		20.00%	0.9
19	618	171.444	616	169.524	65.0			2.96%	138.7
20	619	172.570	618	171.504	9.5			11.22%	6.2

** USE EXCAVATED MATERIAL FOR TRENCH, INCLUDED IN THE PRICE OF PIPE.

*SEE DRAINAGE DETAIL: INLETS, SPECIAL (MODIFIED)

STORM SEWER STRUCTURE SCHEDULE

STRUCTURE NUMBER	LOCATION		STRUCTURE		RIM ELEVATION		INVERTS				REMARKS			
	STATION	OFFSET	MH A 1.2D T1F CL	MH A 1.2m T3TG	TYPE F INLET 542526	INLET SPECIAL (MODIFIED)	EB	WB	INSIDE BASE	1		2	3	4
607*	154+512.000	39.228 LT.		1				173.200	171.300	SW 171.400	SE 163.335	NE 163.335	S 164.203	*1.8M MANHOLE
608	154+512.000	13.400 LT.						165.135	161.985	NW 162.085				
609	154+513.260	11.240 LT.							164.622	N 164.622				
610*	154+587.000	63.236 LT.		1				184.950	183.050	SW 183.150				
611*	154+587.000	39.567 LT.		1				175.360	173.360	SW 173.460	NE 173.560			
612	154+587.000	13.400 LT.				1		167.364	164.364	NW 164.464	SE 165.564	NE 165.564	S 166.432	*1.8M MANHOLE
613	154+588.260	11.240 LT.							166.852	N 166.852				
614	154+653.000	13.400 LT.				1		169.344	167.035	NW 167.135	SE 167.544	S 168.412		*1.2M MANHOLE
615	154+654.260	11.240 LT.							168.832	N 168.832				
616	154+719.000	13.400 LT.				1		171.324	169.224	NW 169.324	SE 169.524	S 170.392		*1.2M MANHOLE
617	154+720.260	11.240 LT.							170.812	N 170.812				
618	154+785.000	13.400 LT.		1				173.304	171.344	NW 171.444	SE 171.504			
619	154+795.000	13.400 LT.				1			172.570					

* LOCATION AND ELEVATION SHALL BE ADJUSTED AS NECESSARY TO FIT SITE CONDITIONS.

PROPOSED

- CATCH BASIN
- INLET
- MANHOLE
- ⊕ SAG
- ↔ SUMMIT
- DITCH
- SWALE
- PIPE UNDERDRAIN
- SANITARY SEWER
- STORM SEWER
- FLOW DIRECTION
- ▲ END SECTION
- CULVERT
- RIGHT-OF-WAY
- - - CONSTRUCTION LIMITS

LEGEND

- △ STRUCTURE NUMBER
- STRUCTURE TO BE ADJUSTED WITH NEW FRAME AND GRATE
- STRUCTURE TO BE ADJUSTED WITH NEW FRAME AND LID
- ① STORM SEWER PIPE NUMBER
- STRUCTURE TO BE CLEANED
- STRUCTURE TO BE FILLED
- STRUCTURE TO BE RECONSTRUCTED WITH NEW FRAME AND LID
- STRUCTURE TO BE ADJUSTED

ALL DIMENSIONS ARE IN METERS (m) EXCEPT AS NOTED



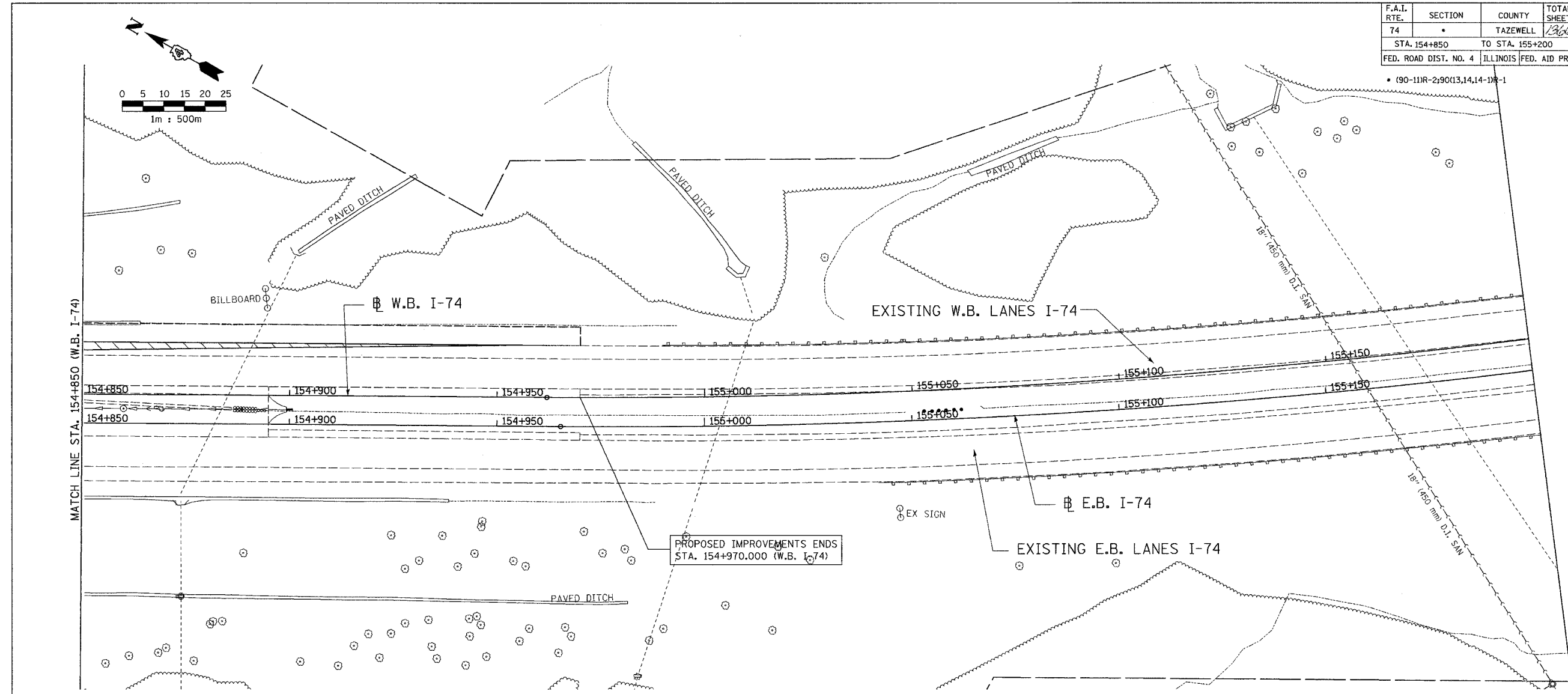
REVISIONS	
NAME	DATE

SHEET 6 OF 12
 ALL STATIONS INDICATED ARE WESTBOUND STATIONING UNLESS OTHERWISE NOTED.
 ILLINOIS DEPARTMENT OF TRANSPORTATION
 PROPOSED DRAINAGE & UTILITIES PLAN
 F.A.I. ROUTE 74 (I-74)
 STA. 154+500 TO STA. 154+850
 DRAWN BY
 CHECKED BY
 DATE 01/07/2005

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CONTRACT 11: PLAN SET 2 OF 4 FINAL PLANS 01/05

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	*	TAZEWELL	1366	1010
STA. 154+850		TO STA. 155+200		
FED. ROAD DIST. NO. 4		ILLINOIS FED. AID PROJECT		



EXISTING		LEGEND	
	LIGHT POLE TO BE REMOVED (BY OTHERS)		STRUCTURE TO BE REMOVED
	CATCH BASIN		ITEM TO BE ABANDONED
	INLET		ITEM TO BE RELOCATED
	MANHOLE		STORM SEWER REMOVAL
	SAG		COMBINATION SEWER REMOVAL
	SUMMIT		PAVEMENT REMOVAL
	DITCH		SHOULDER REMOVAL
	SWALE		GUARDRAIL REMOVAL
	PIPE UNDERDRAIN		PAVED DITCH REMOVAL
	SANITARY SEWER (LOCATION OF RECORD)		RIGHT-OF-WAY
	STORM SEWER		CONSTRUCTION LIMITS
	COMBINATION SEWER		
	CULVERT		
	CONCRETE HEADWALL		
	FLOW DIRECTION		
	GAS (LOCATION OF RECORD)		
	TELEPHONE (LOCATION OF RECORD)		
	WATER (LOCATION OF RECORD)		
	DITCH		

ALL DIMENSIONS ARE IN METERS (m) EXCEPT AS NOTED

DAILY & ASSOCIATES,
ENGINEERS, INC.
PEORIA, ILLINOIS

REVISIONS	
NAME	DATE

SHEET 7 OF 12

ALL STATIONS INDICATED ARE WESTBOUND STATIONING UNLESS OTHERWISE NOTED.

ILLINOIS DEPARTMENT OF TRANSPORTATION

EXISTING DRAINAGE & UTILITIES PLAN
F.A.I. ROUTE 74 (I-74)
STA. 154+850 TO STA. 155+200

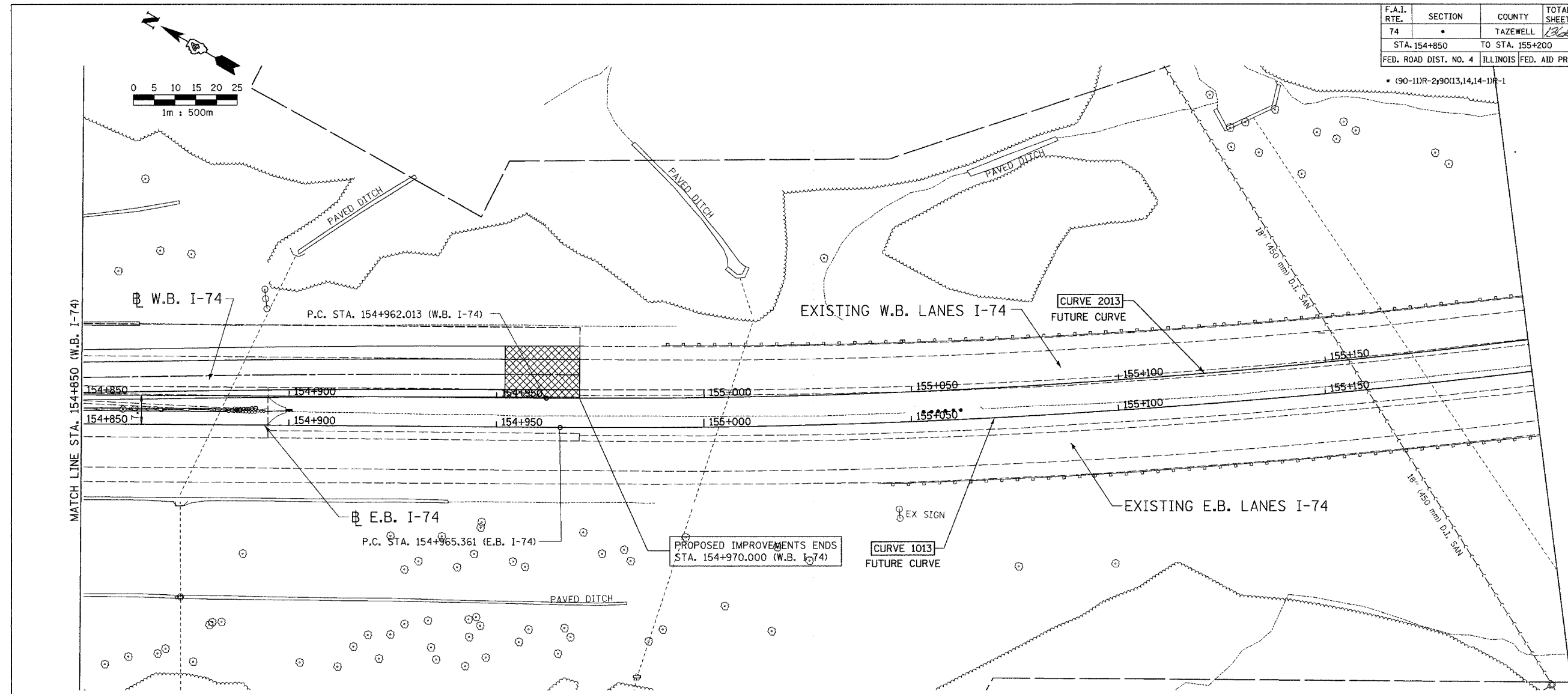
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CONTRACT 11: PLAN SET 2 OF 4 FINAL PLANS 01/05

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	•	TAZEWELL	1266	1011
STA. 154+850		TO STA. 155+200		
FED. ROAD DIST. NO. 4		ILLINOIS FED. AID PROJECT		



PROPOSED		LEGEND	
●	CATCH BASIN	△	STRUCTURE NUMBER
○	INLET	□	STRUCTURE TO BE ADJUSTED WITH NEW FRAME AND GRATE
⊙	MANHOLE	⊙	STRUCTURE TO BE ADJUSTED WITH NEW FRAME AND LID
⋈	SAG	Ⓢ	STORM SEWER PIPE NUMBER
↔	SUMMIT	□	STRUCTURE TO BE CLEANED
→	DITCH	□	STRUCTURE TO BE FILLED
→	SWALE	REC	STRUCTURE TO BE RECONSTRUCTED WITH NEW FRAME AND LID
→	PIPE UNDERDRAIN	ADJ	STRUCTURE TO BE ADJUSTED
→	SANITARY SEWER		
→	STORM SEWER		
→	FLOW DIRECTION		
→	END SECTION		
→	CULVERT		
→	RIGHT-OF-WAY		
→	CONSTRUCTION LIMITS		

ALL DIMENSIONS ARE IN METERS (m) EXCEPT AS NOTED

SHEET 8 OF 12

ALL STATIONS INDICATED ARE WESTBOUND STATIONING UNLESS OTHERWISE NOTED.

DA
DAILY & ASSOCIATES,
ENGINEERS, INC.
PEORIA, ILLINOIS

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

PROPOSED DRAINAGE & UTILITIES PLAN
F.A.I. ROUTE 74 (I-74)
STA. 154+850 TO STA. 155+200

DATE 01/07/2005

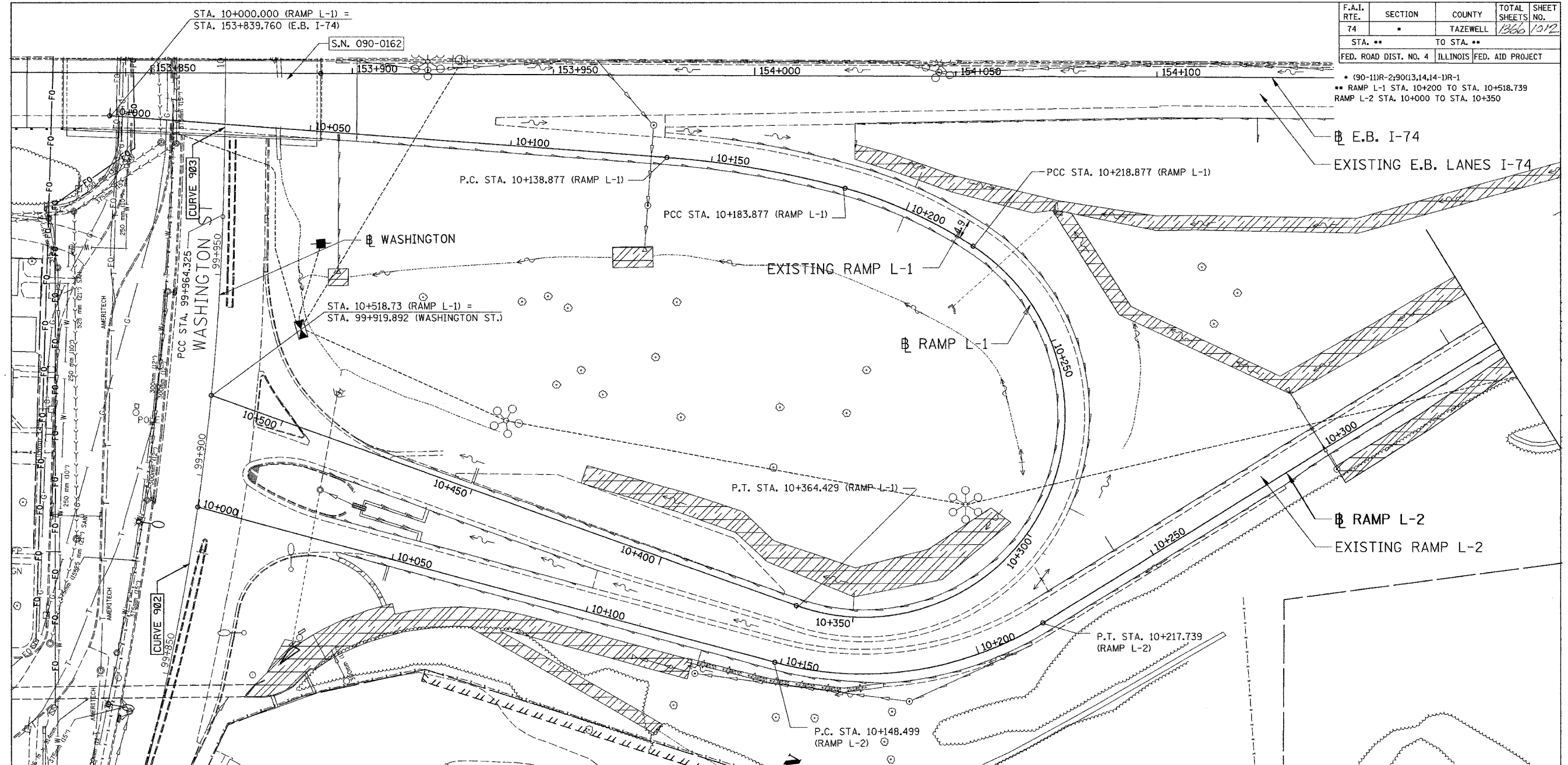
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CONTRACT 11: PLAN SET 2 OF 4 FINAL PLANS 01/05

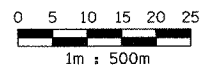
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74		TAZEWELL	1366	1312
STA. **		TO STA. **		
FED. ROAD DIST. NO. 4		ILLINOIS FED. AID PROJECT		

• (90-11)R-2;90(13,14,14-1)R-1
 ** RAMP L-1 STA. 10+200 TO STA. 10+518.739
 RAMP L-2 STA. 10+000 TO STA. 10+350



LEGEND

PROPOSED	EXISTING
→ STORM SEWER, 600 mm Ø	— GAS (LOCATION OF RECORD)
→ PIPE UNDERDRAIN	— SANITARY (LOCATION OF RECORD)
— HEADWALL	— DITCH
— INLET	
— DITCH FLOW LINE	
— RIGHT-OF-WAY	
— CONSTRUCTION LIMITS	



ALL DIMENSIONS ARE IN METERS (m) EXCEPT AS NOTED

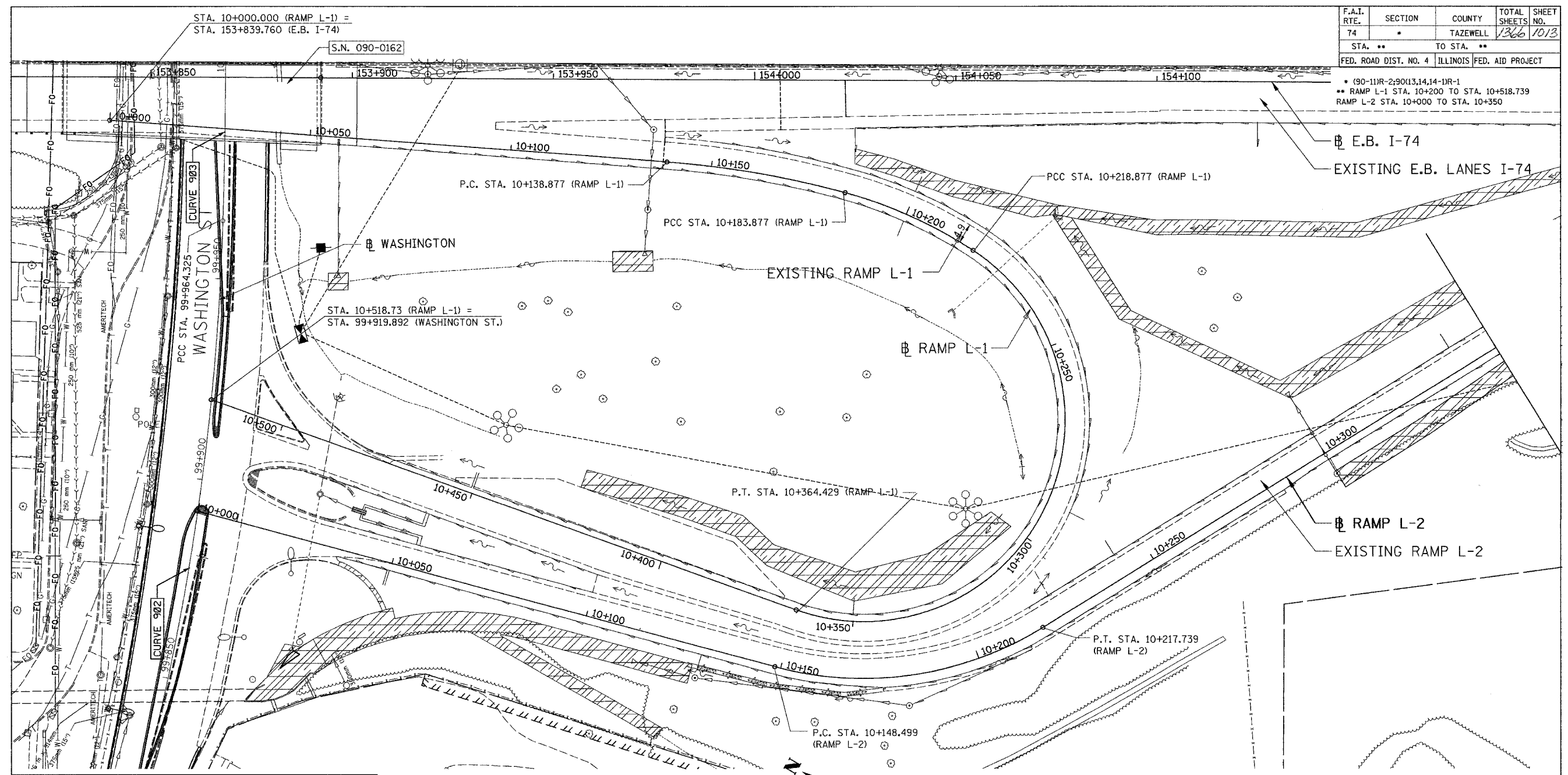
DA
 DAILY & ASSOCIATES,
 ENGINEERS, INC.
 PEORIA, ILLINOIS

REVISIONS	
NAME	DATE

SHEET 9 OF 12
 ALL STATIONS INDICATED ARE WESTBOUND STATIONING UNLESS OTHERWISE NOTED.
 ILLINOIS DEPARTMENT OF TRANSPORTATION
 EXISTING DRAINAGE & UTILITIES PLAN
 F.A.I. ROUTE 74 (I-74)
 RAMP L-1 STA. 10+200 TO STA. 10+518.739
 AND
 RAMP L-2 STA. 10+000 TO STA. 10+350.000
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CONTRACT 11: PLAN SET 2 OF 4 FINAL PLANS 01/05

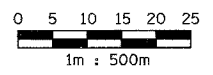


F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	*	TAZEWELL	1366	1013
STA. **	TO STA. **			
FED. ROAD DIST. NO. 4		ILLINOIS FED. AID PROJECT		

* 90-11R-2;9013,14,14-1R-1
 ** RAMP L-1 STA. 10+200 TO STA. 10+518.739
 RAMP L-2 STA. 10+000 TO STA. 10+350

LEGEND	
	PROPOSED STORM SEWER, 600 mm Ø
	PIPE UNDERDRAIN
	HEADWALL
	INLET
	DITCH FLOW LINE
	RIGHT-OF-WAY
	CONSTRUCTION LIMITS
	EXISTING GAS (LOCATION OF RECORD)
	EXISTING SANITARY (LOCATION OF RECORD)
	EXISTING DITCH

EXISTING UTILITIES FOR THE VICINITY OF WASHINGTON STREET TO BE SUBMITTED WITH OFF-SYSTEM UTILITY PLANS.



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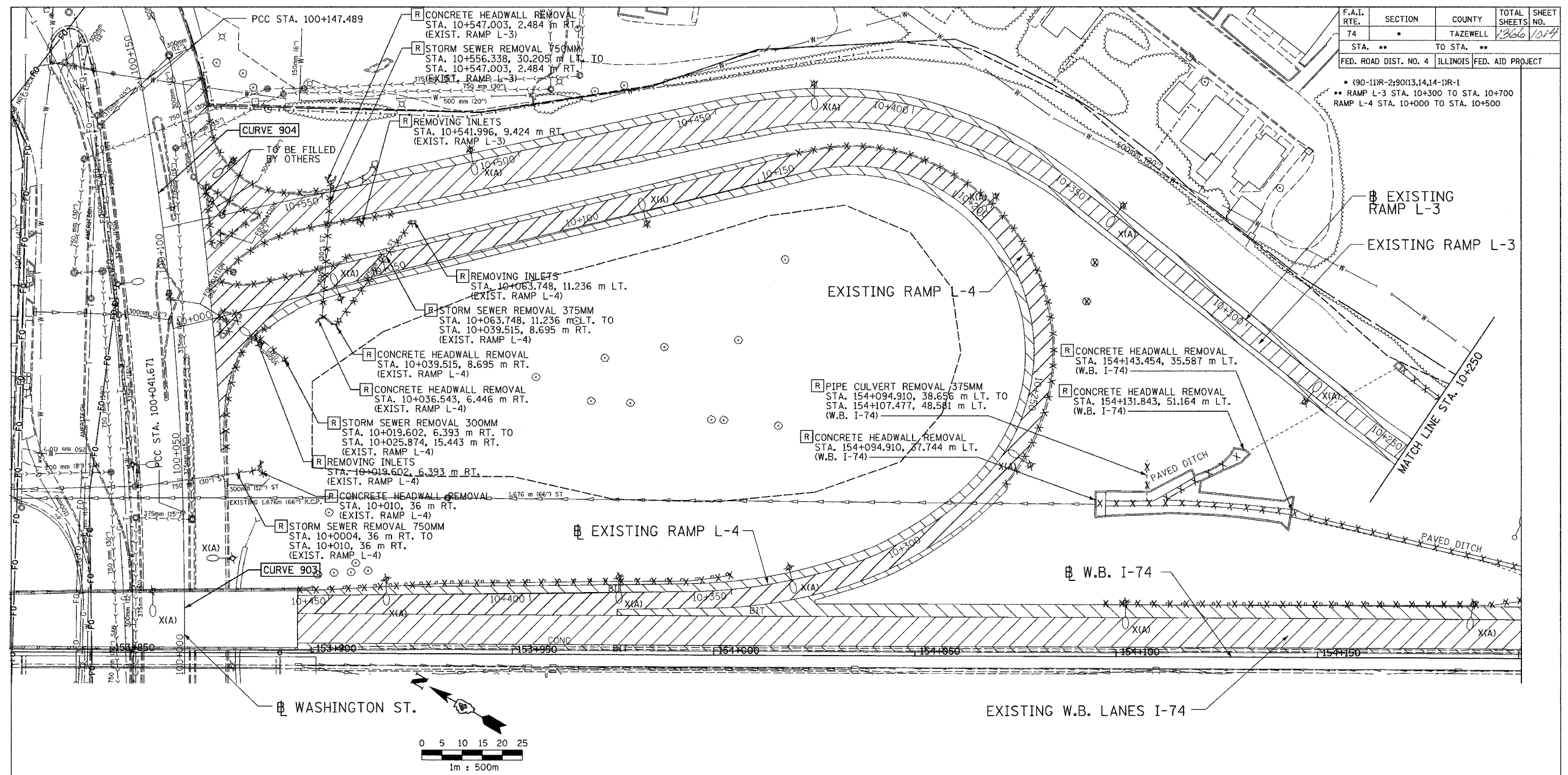


REVISIONS	
NAME	DATE

SHEET 10 OF 12
 ALL STATIONS INDICATED ARE WESTBOUND STATIONING UNLESS OTHERWISE NOTED.

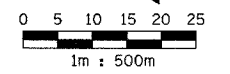
ILLINOIS DEPARTMENT OF TRANSPORTATION
 PROPOSED DRAINAGE & UTILITIES PLAN
 F.A.I. ROUTE 74 (I-74)
 RAMP L-1 STA. 10+200 TO STA. 10+518.739
 AND
 RAMP L-2 STA. 10+000 TO STA. 10+350.000
 DRAWN BY
 DATE 01/07/2005 CHECKED BY

CONTRACT 11: PLAN SET 2 OF 4 FINAL PLANS 01/05



F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74		TAZEWELL	1366	1014
STA. **		TO STA. **		
FED. ROAD DIST. NO. 4		ILLINOIS FED. AID PROJECT		

• (90-11R-2)9013,14,14-1R-1
 ** RAMP L-3 STA. 10+300 TO STA. 10+700
 RAMP L-4 STA. 10+000 TO STA. 10+500



EXISTING		LEGEND	
	LIGHT POLE TO BE REMOVED (BY OTHERS)		STRUCTURE TO BE REMOVED
	CATCH BASIN		ITEM TO BE ABANDONED
	INLET		ITEM TO BE RELOCATED
	MANHOLE		STORM SEWER REMOVAL
	SAG		COMBINATION SEWER REMOVAL
	SUMMIT		PAVEMENT REMOVAL
	DITCH		SHOULDER REMOVAL
	SWALE		GUARDRAIL REMOVAL
	PIPE UNDERDRAIN		PAVED DITCH REMOVAL
	SANITARY SEWER (LOCATION OF RECORD)		RIGHT-OF-WAY
	STORM SEWER		CONSTRUCTION LIMITS
	COMBINATION SEWER		
	CULVERT		
	CONCRETE HEADWALL		
	FLOW DIRECTION		
	GAS (LOCATION OF RECORD)		
	TELEPHONE (LOCATION OF RECORD)		
	WATER (LOCATION OF RECORD)		
	DITCH		

ALL DIMENSIONS ARE IN METERS (m) EXCEPT AS NOTED

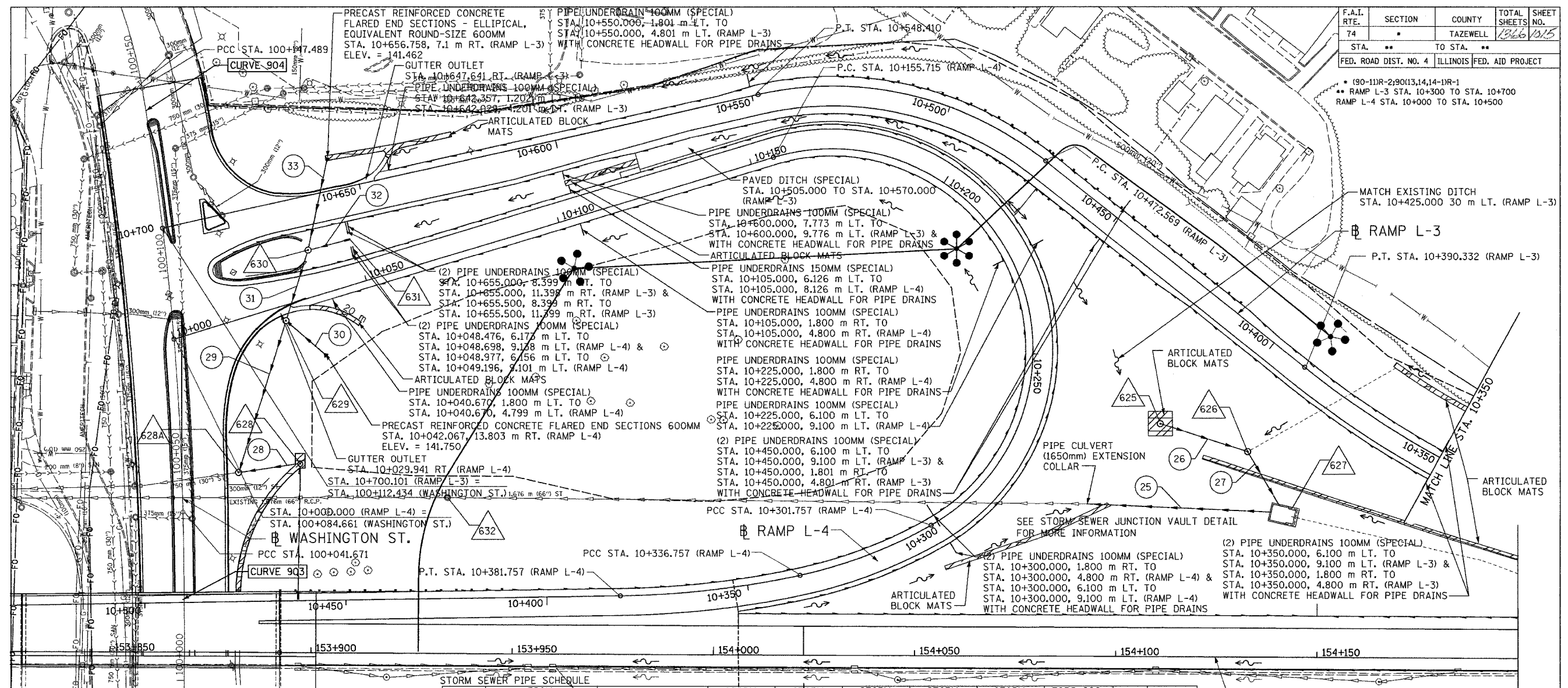
DA
 DAILY & ASSOCIATES,
 ENGINEERS, INC.
 PEORIA, ILLINOIS

REVISIONS	
NAME	DATE

SHEET 11 OF 12
 ALL STATIONS INDICATED ARE WESTBOUND STATIONING UNLESS OTHERWISE NOTED.
 ILLINOIS DEPARTMENT OF TRANSPORTATION
 EXISTING DRAINAGE & UTILITIES PLAN
 F.A.I. ROUTE 74 (I-74)
 RAMP L-3
 STA. 10+300 TO STA. 10+700
 RAMP L-4
 STA. 10+000 TO STA. 10+500
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CONTRACT 11: PLAN SET 2 OF 4 FINAL PLANS 01/05



F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74		TAZEWELL	1366	1015
STA. ** TO STA. **		FED. ROAD DIST. NO. 4 ILLINOIS FED. AID PROJECT		

• (90-11)R-2;9013,14,14-DR-1
 • RAMP L-3 STA. 10+300 TO STA. 10+700
 RAMP L-4 STA. 10+000 TO STA. 10+500

PIPE NUMBER	FROM STRUCTURE	TO STRUCTURE	INVERT	INVERT	STORM SEWER CL A 2 600	STORM SEWER CL A 2 750	STORM SEWER CL A 2 900	STORM SEWER CL A 2 1050	STORM SEWER CL A 2 1650	EORS 600 REINF CONC PIPE CULV	SLOPE	BACKFILL (CU M)
25	JUNC. CH.	EX. PIPE	145.718	143.898					45.4		4.00%	279.8
26	625	JUNC. CH.	146.052	146.035	21.3						0.08%	66.3
27	626	JUNC. CH.	146.005	146.000			14.7				0.03%	87.3
28	628	628A	141.120	141.080	14.0		38.2				1.00%	69.6
29	629	628A	141.033	140.950							0.22%	4.3
30	END SEC.	629	141.750	141.340	12.1						3.40%	2.0
31	630	629	141.249	141.063						16.9	1.10%	7.0
32	631	630	141.620	141.535	8.5						1.00%	3.2
33	END SEC.	630	141.462	141.279							0.84%	5.3

STRUCTURE NUMBER	LOCATION			STRUCTURE			RIM ELEVATION		INVERTS					
	STATION	OFFSET	JUNCTION VAULT	MH A 1.2D TI OL	MH A 1.8D TI CL	INLET BOX 542501	INLET, SPECIAL	EB	WB	INSIDE BASE	1	2	3	4
625	154+110.845	57.788 LT.					1**		146.909					
626	154+132.584	50.930 LT.							148.600					
627	154+138.483	35.922 LT.	1											
628A	10+005.76	36.300 RT.		1					143.460	140.890	NW 140.92	E 140.950	S 141.080	W 145.718
628	10+021.033	38.747 RT.			1**				142.310		NE 141.220			
629	10+027.970	3.73 RT.			1				142.900		E 141.063		S 141.340	
630	10+666.029	13.260 LT.							142.750		W 141.033		E 141.279	S 141.535
631	10+047.585	11.134 RT.							141.620		E 141.249			

**USE GRATE DETAIL 604101.

PROPOSED

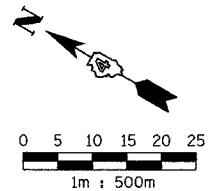
- CATCH BASIN
- INLET
- MANHOLE
- SAG
- SUMMIT
- DITCH
- SWALE
- PIPE UNDERDRAIN
- SANITARY SEWER
- STORM SEWER
- FLOW DIRECTION
- END SECTION
- CULVERT
- RIGHT-OF-WAY
- CONSTRUCTION LIMITS

EXISTING

- GAS (LOCATION OF RECORD)
- SANITARY (LOCATION OF RECORD)
- TELEPHONE (LOCATION OF RECORD)
- WATER (LOCATION OF RECORD)
- DITCH

LEGEND

- △ STRUCTURE NUMBER
- A STRUCTURE TO BE ADJUSTED WITH NEW FRAME AND GRATE
- ⊙ STRUCTURE TO BE ADJUSTED WITH NEW FRAME AND LID
- ① STORM SEWER PIPE NUMBER
- C STRUCTURE TO BE CLEANED
- F STRUCTURE TO BE FILLED
- REC STRUCTURE TO BE RECONSTRUCTED WITH NEW FRAME AND LID
- ADJ STRUCTURE TO BE ADJUSTED



ALL DIMENSIONS ARE IN METERS (m) EXCEPT AS NOTED
 SHEET 12 OF 12
 ALL STATIONS INDICATED ARE WESTBOUND STATIONING UNLESS OTHERWISE NOTED.



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 PROPOSED DRAINAGE & UTILITIES PLAN
 F.A.I. ROUTE 74 (I-74)
 RAMP L-3
 STA. 10+300 TO STA. 10+700
 RAMP L-4
 STA. 10+000 TO STA. 10+500
 DRAWN BY
 DATE 01/07/2005 CHECKED BY

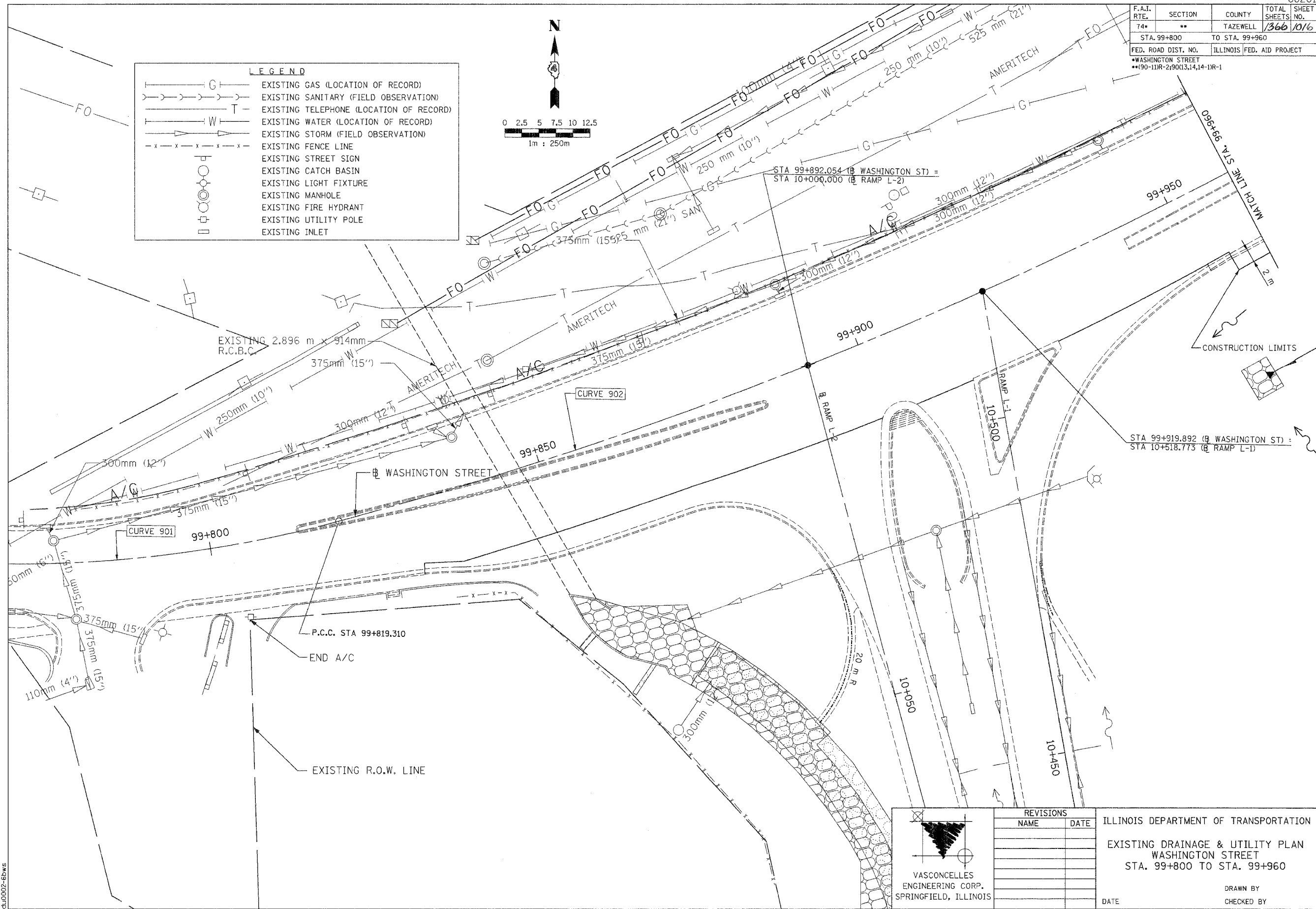
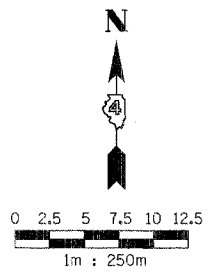
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CONTRACT 11: PLAN SET 2 OF 4 FINAL PLANS 01/05

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74*	**	TAZEWELL	1366	1016
STA. 99+800		TO STA. 99+960		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
*WASHINGTON STREET				
**90-11R-2;9013.14,14-1R-1				

LEGEND

— G —	EXISTING GAS (LOCATION OF RECORD)
- - - - -	EXISTING SANITARY (FIELD OBSERVATION)
- - - - -	EXISTING TELEPHONE (LOCATION OF RECORD)
- - - - -	EXISTING WATER (LOCATION OF RECORD)
- - - - -	EXISTING STORM (FIELD OBSERVATION)
- x - x - x - x - x -	EXISTING FENCE LINE
⊠	EXISTING STREET SIGN
⊡	EXISTING CATCH BASIN
⊠	EXISTING LIGHT FIXTURE
⊡	EXISTING MANHOLE
⊡	EXISTING FIRE HYDRANT
⊡	EXISTING UTILITY POLE
⊡	EXISTING INLET



CONTRACT III PLAN SET 2 OF 3 PRE-FINAL 02/02/04 VEC 24 OF 53. JOB NO. 751-501 VASCONCELLES ENGINEERING CORP. DESIGN FIRM REGISTRATION NUMBER 18-002107

VASCONCELLES
ENGINEERING CORP.
SPRINGFIELD, ILLINOIS

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
EXISTING DRAINAGE & UTILITY PLAN
WASHINGTON STREET
STA. 99+800 TO STA. 99+960



DATE _____ DRAWN BY _____
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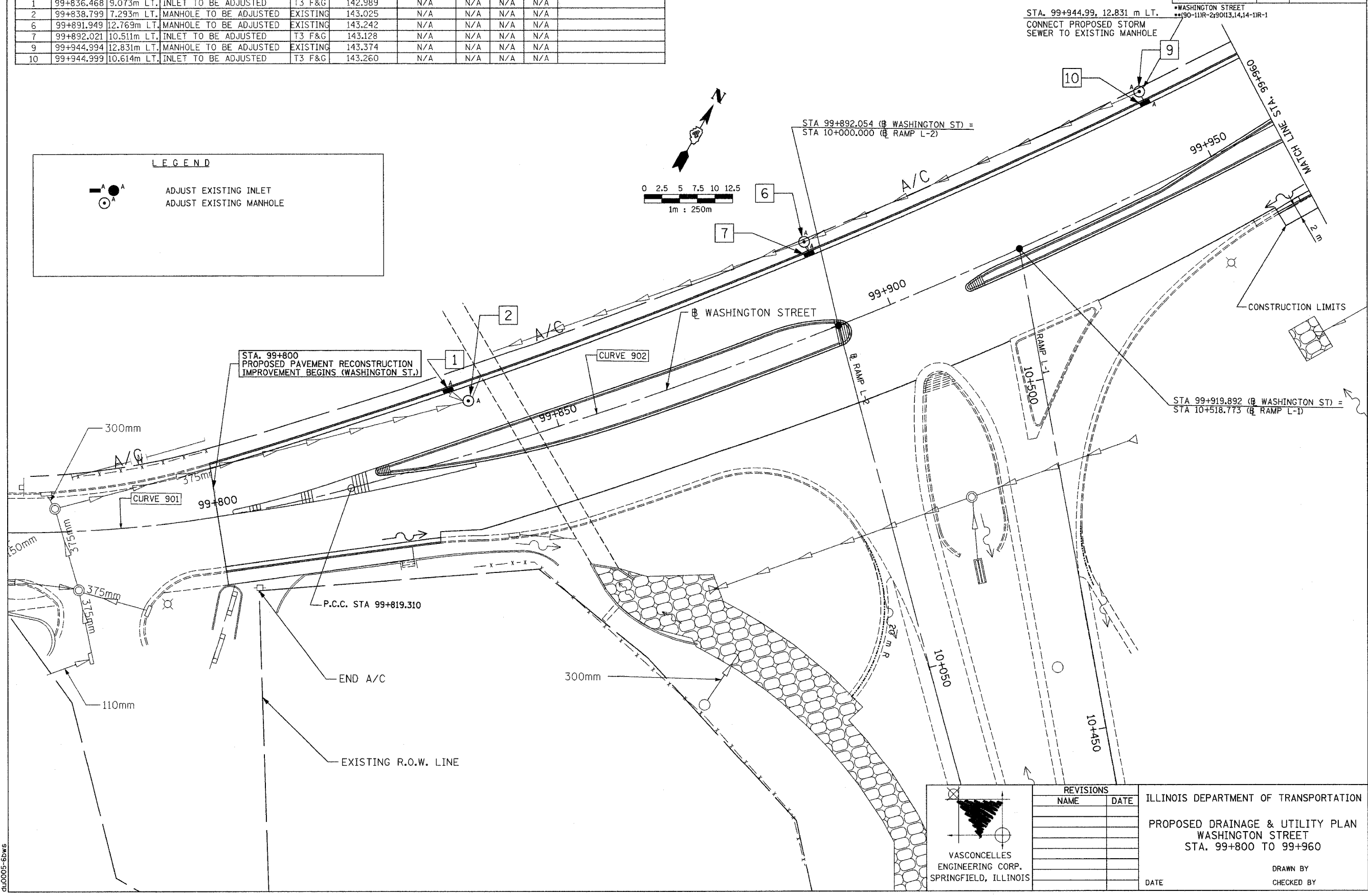
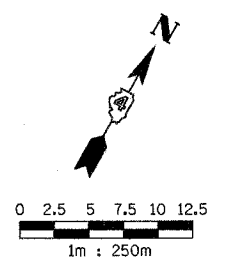
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F.A.L. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74*	**	TAZEWELL	1366	1017
STA. 99+800		TO STA. 99+960		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
*WASHINGTON STREET		**90-11R-2, 9013, 14, 14-1R-1		

STORM SEWER SCHEDULE									
NUMBER	LOCATION		TYPE	FRAME AND LID/GRATE		INVERT			COMMENTS
	STATION	OFFSET		TYPE	RIM ELEVATION	INSIDE BASE	1	2	
1	99+836.468	9.073m LT.	INLET TO BE ADJUSTED	T3 F&G	142.989	N/A	N/A	N/A	N/A
2	99+838.799	7.293m LT.	MANHOLE TO BE ADJUSTED	EXISTING	143.025	N/A	N/A	N/A	N/A
6	99+891.949	12.769m LT.	MANHOLE TO BE ADJUSTED	EXISTING	143.242	N/A	N/A	N/A	N/A
7	99+892.021	10.511m LT.	INLET TO BE ADJUSTED	T3 F&G	143.128	N/A	N/A <td N/A	N/A	
9	99+944.994	12.831m LT.	MANHOLE TO BE ADJUSTED	EXISTING	143.374	N/A	N/A	N/A	N/A
10	99+944.999	10.614m LT.	INLET TO BE ADJUSTED	T3 F&G	143.260	N/A	N/A	N/A	N/A

LEGEND

 ADJUST EXISTING INLET
 ADJUST EXISTING MANHOLE




 VASCONCELLES
 ENGINEERING CORP.
 SPRINGFIELD, ILLINOIS

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

PROPOSED DRAINAGE & UTILITY PLAN
WASHINGTON STREET
STA. 99+800 TO 99+960

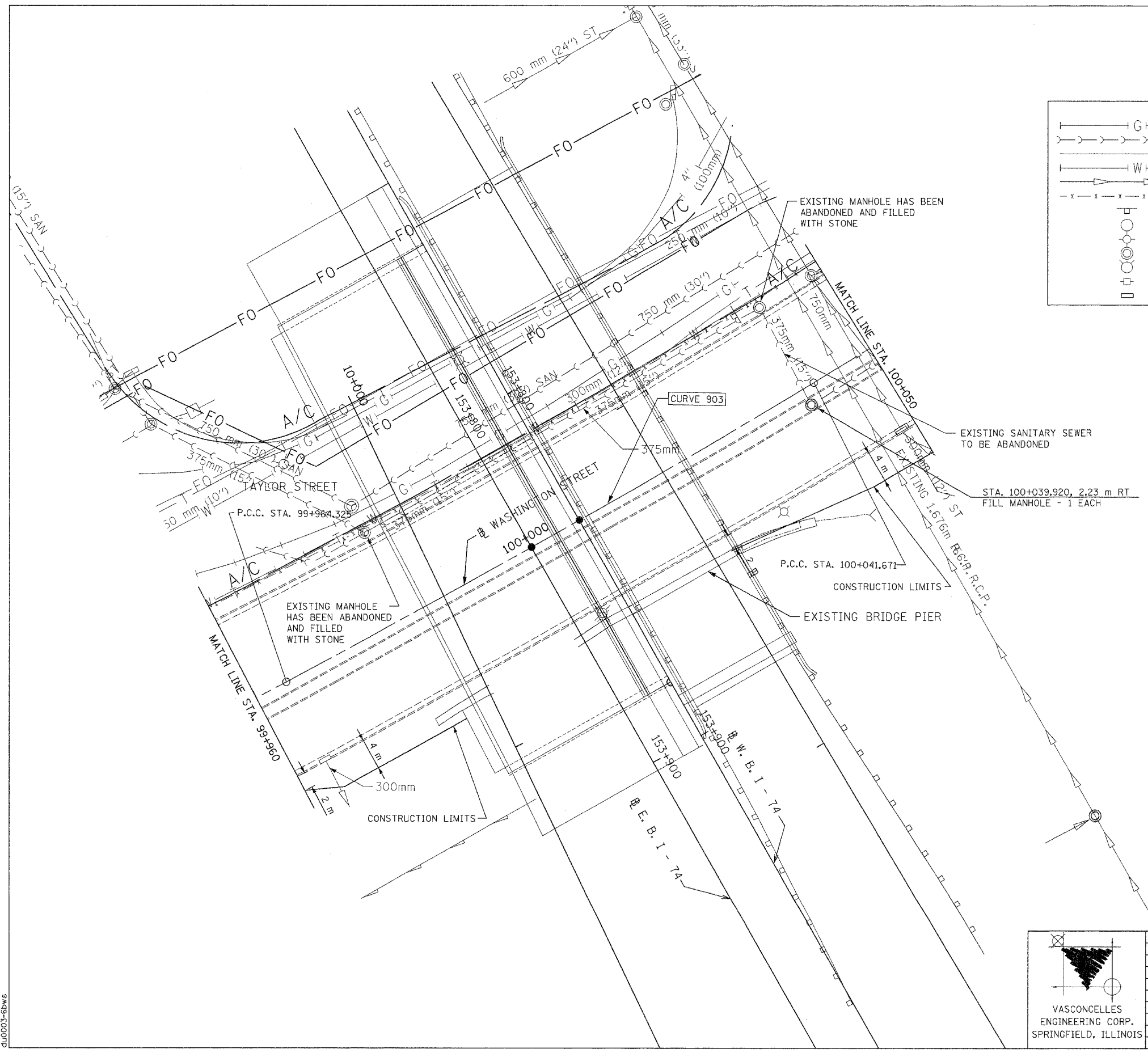
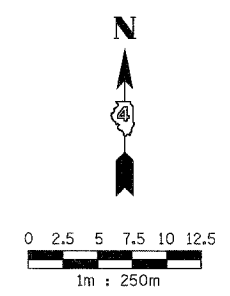
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CONTRACT 11- PLAN SET 2 OF 3 PRE-FINAL 02/02/04 VEC 25 OF 53 JOB NO. 751-001 VASCONCELLES ENGINEERING CORP. DESIGN FIRM REGISTRATION NUMBER 184-003107

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74*	**	TAZEWELL	1366	1018
STA. 99+900		TO STA. 100+050		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
*WASHINGTON STREET				
**190-11R-2,90(13,14,14-1R-1				

LEGEND	
	EXISTING GAS (LOCATION OF RECORD)
	EXISTING SANITARY (FIELD OBSERVATION)
	EXISTING TELEPHONE (LOCATION OF RECORD)
	EXISTING WATER (LOCATION OF RECORD)
	EXISTING STORM (FIELD OBSERVATION)
	EXISTING FENCE LINE
	EXISTING STREET SIGN
	EXISTING CATCH BASIN
	EXISTING LIGHT FIXTURE
	EXISTING MANHOLE
	EXISTING FIRE HYDRANT
	EXISTING UTILITY POLE
	EXISTING INLET



VASCONCELLES
ENGINEERING CORP.
SPRINGFIELD, ILLINOIS

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
EXISTING DRAINAGE & UTILITY PLAN
WASHINGTON STREET
STA. 99+960 TO 100+050
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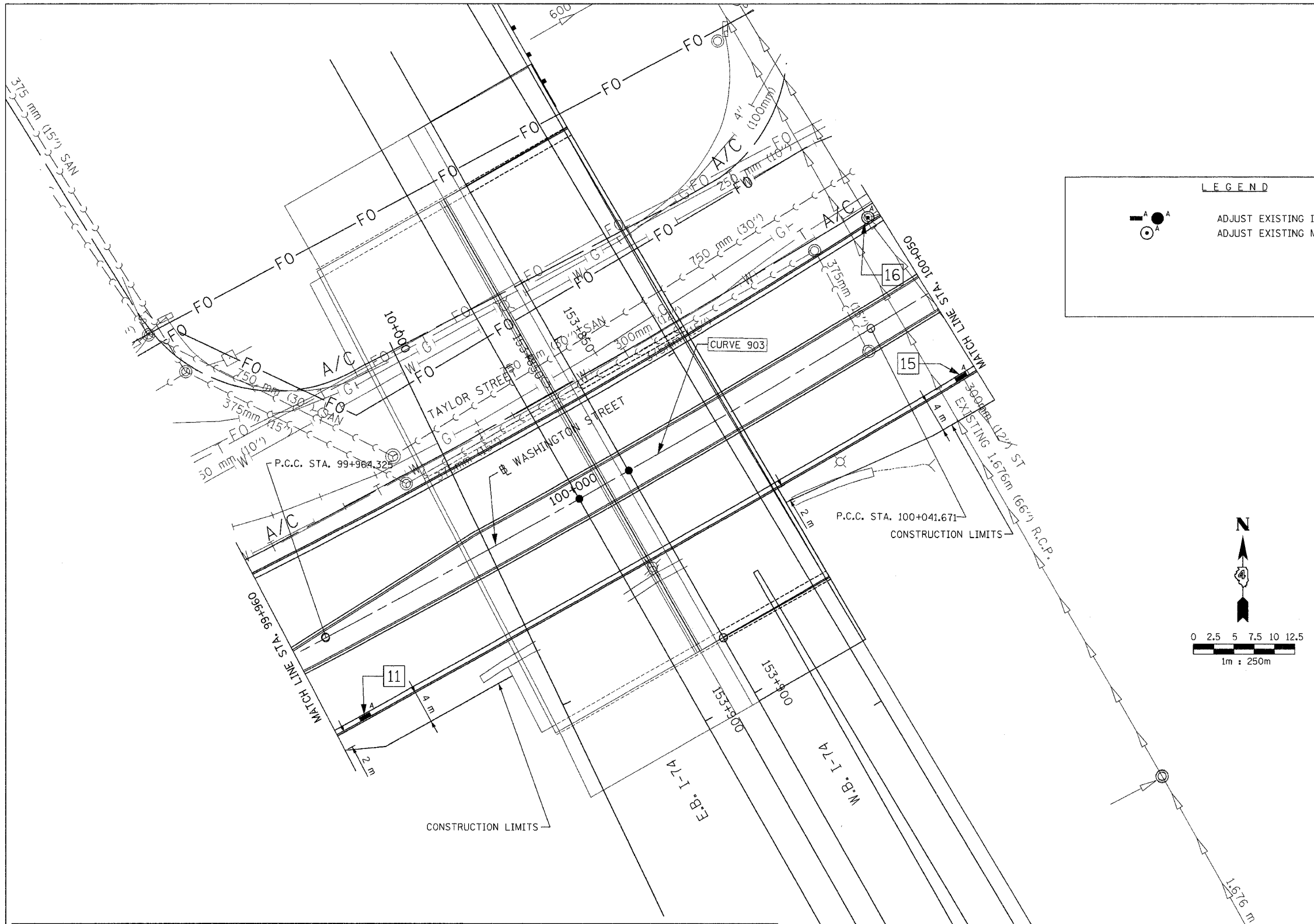
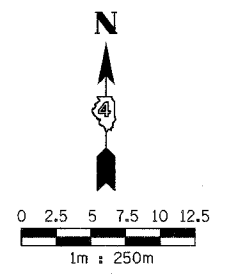
CONTRACT 11: PLAN SET 2 OF 3 PRE-FINAL 02/02/04 VEC 26 OF 53. JOB NO. 751-001 VASCONCELLES ENGINEERING CORP. DESIGN FIRM REGISTRATION NUMBER 184-002107

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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74*	**	TAZEWELL	1366	1019
STA. 99+960		TO STA. 100+050		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
*WASHINGTON STREET				
**190-111R-2;90(13,14,14-11R-1				

LEGEND

ADJUST EXISTING INLET
ADJUST EXISTING MANHOLE



STORM SEWER SCHEDULE

NUMBER	LOCATION		TYPE	FRAME AND LID/GRATE		INVERT			COMMENTS	
	STATION	OFFSET		TYPE	RIM ELEVATION	INSIDE BASE	1	2		3
11	99+964.036	10.534m RT.	INLET TO BE ADJUSTED	T3 F&G	143.447	N/A	N/A	N/A	N/A	
15	100+048.040	10.568m RT.	INLET TO BE ADJUSTED	T3 F&G	143.474	N/A	N/A	N/A	N/A	
16	100+048.532	11.850m LT.	MANHOLE TO BE ADJUSTED	EXISTING	143.373	N/A	N/A	N/A	N/A	

VASCONCELLES
ENGINEERING CORP.
SPRINGFIELD, ILLINOIS

REVISIONS	
NAME	DATE

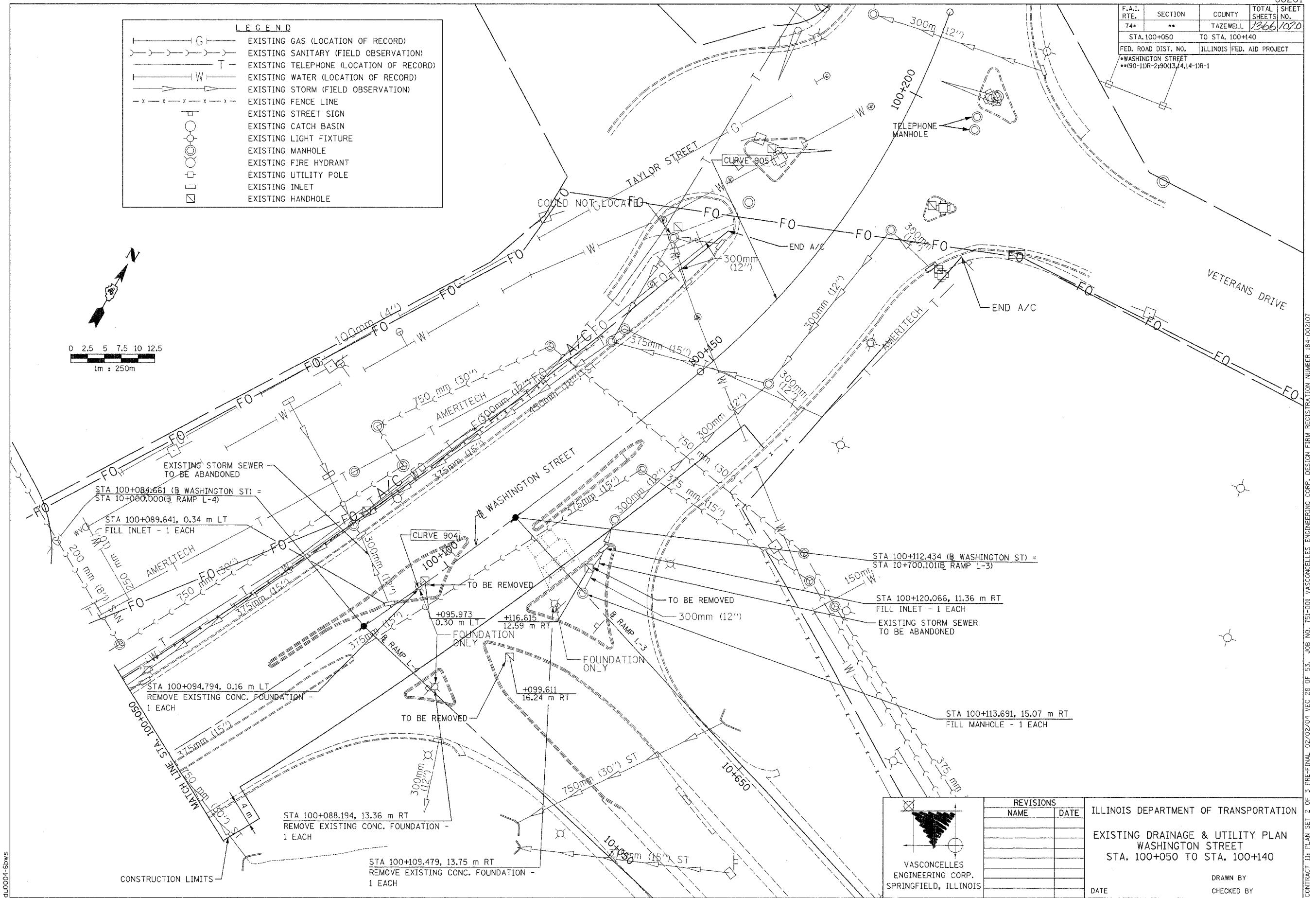
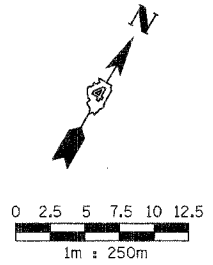
ILLINOIS DEPARTMENT OF TRANSPORTATION
PROPOSED DRAINAGE & UTILITY PLAN
WASHINGTON STREET
STA. 99+960 TO STA. 100+050

DATE _____
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74*	**	TAZEWELL	1366	1020
STA. 100+050		TO STA. 100+140		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
*WASHINGTON STREET				
**90-11R-2190(13,14,14-1R-1				

LEGEND

	EXISTING GAS (LOCATION OF RECORD)
	EXISTING SANITARY (FIELD OBSERVATION)
	EXISTING TELEPHONE (LOCATION OF RECORD)
	EXISTING WATER (LOCATION OF RECORD)
	EXISTING STORM (FIELD OBSERVATION)
	EXISTING FENCE LINE
	EXISTING STREET SIGN
	EXISTING CATCH BASIN
	EXISTING LIGHT FIXTURE
	EXISTING MANHOLE
	EXISTING FIRE HYDRANT
	EXISTING UTILITY POLE
	EXISTING INLET
	EXISTING HANDHOLE



VASCONCELLES ENGINEERING CORP.
 SPRINGFIELD, ILLINOIS

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 EXISTING DRAINAGE & UTILITY PLAN
 WASHINGTON STREET
 STA. 100+050 TO STA. 100+140

DATE _____ DRAWN BY _____
 CHECKED BY _____

CONTRACT 11: PLAN SET 2 OF 3 PRE-FINAL 02/02/04 VEC 28 OF 53. JOB NO. 751-001 VASCONCELLES ENGINEERING CORP. DESIGN FIRM REGISTRATION NUMBER 184-002107

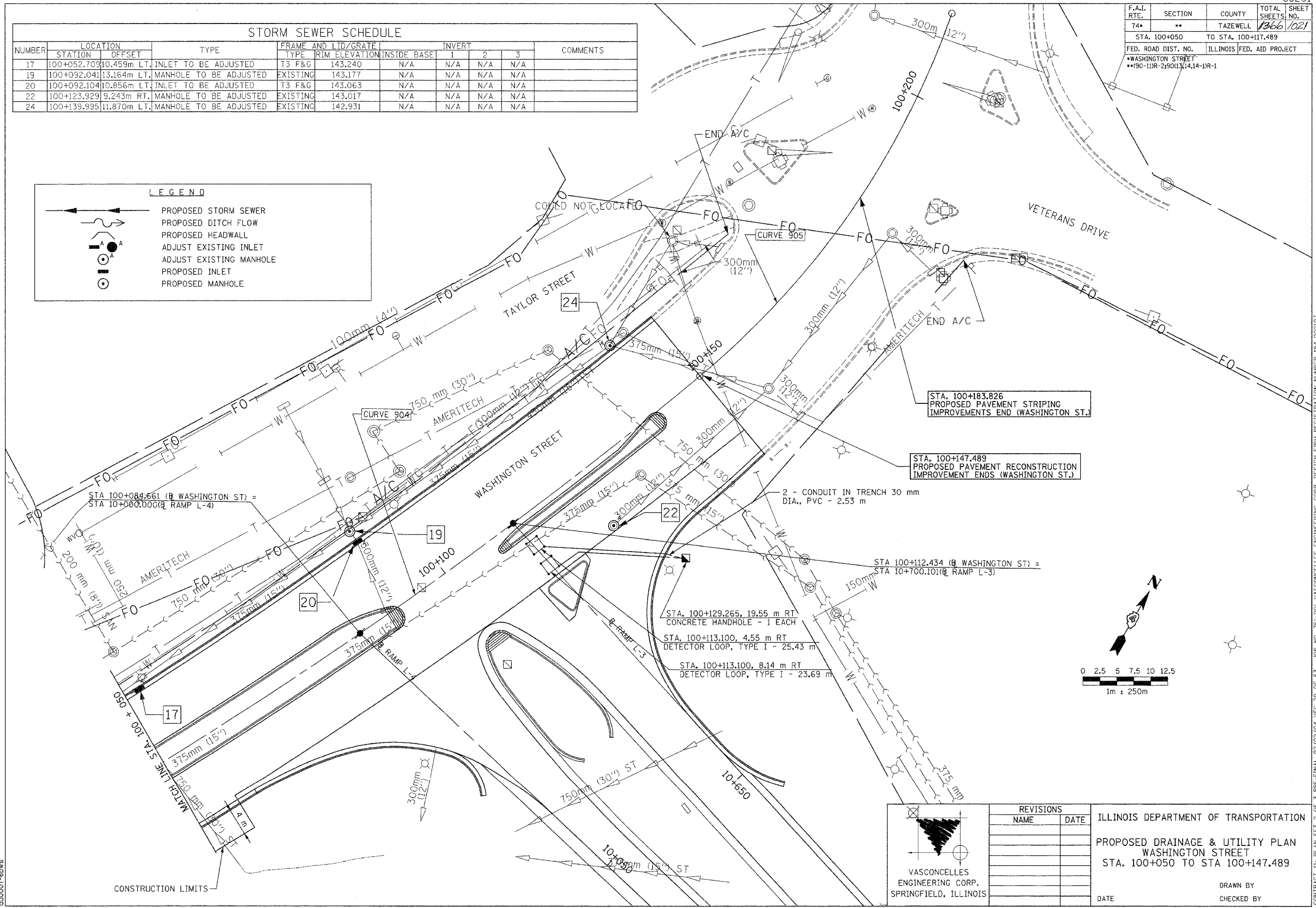
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74*	**	TAZEWELL	1366	1021
STA. 100+050		TO STA. 100+147.489		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
*WASHINGTON STREET **190-11R-2190113,14,14-11R-1				

STORM SEWER SCHEDULE

NUMBER	LOCATION		TYPE	FRAME AND LID/GRATE		INVERT			COMMENTS
	STATION	OFFSET		TYPE	RIM ELEVATION	INSIDE BASE	1	2	
17	100+052.709	10.459m LT.	INLET TO BE ADJUSTED	T3 F&G	143.240	N/A	N/A	N/A	N/A
19	100+092.041	13.164m LT.	MANHOLE TO BE ADJUSTED	EXISTING	143.177	N/A	N/A	N/A	N/A
20	100+092.104	10.856m LT.	INLET TO BE ADJUSTED	T3 F&G	143.063	N/A	N/A	N/A	N/A
22	100+123.929	9.243m RT.	MANHOLE TO BE ADJUSTED	EXISTING	143.017	N/A	N/A	N/A	N/A
24	100+139.995	11.870m LT.	MANHOLE TO BE ADJUSTED	EXISTING	142.931	N/A	N/A	N/A	N/A

LEGEND

- PROPOSED STORM SEWER
- PROPOSED DITCH FLOW
- PROPOSED HEADWALL
- ADJUST EXISTING INLET
- ADJUST EXISTING MANHOLE
- PROPOSED INLET
- PROPOSED MANHOLE



STA. 100+183.826
PROPOSED PAVEMENT STRIPING
IMPROVEMENTS END (WASHINGTON ST.)

STA. 100+147.489
PROPOSED PAVEMENT RECONSTRUCTION
IMPROVEMENT ENDS (WASHINGTON ST.)

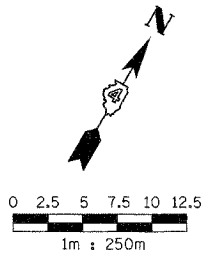
STA. 100+112.434 (R WASHINGTON ST) =
STA 10+700.101 (R RAMP L-3)

2 - CONDUIT IN TRENCH 30 mm
DIA., PVC - 2.53 m

STA. 100+129.265, 19.55 m RT
CONCRETE HANDHOLE - 1 EACH

STA. 100+113.100, 4.55 m RT
DETECTOR LOOP, TYPE I - 25.43 m

STA. 100+113.100, 8.14 m RT
DETECTOR LOOP, TYPE I - 23.69 m



VASCONCELLES
ENGINEERING CORP.
SPRINGFIELD, ILLINOIS

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

PROPOSED DRAINAGE & UTILITY PLAN
WASHINGTON STREET
STA. 100+050 TO STA 100+147.489

DATE _____

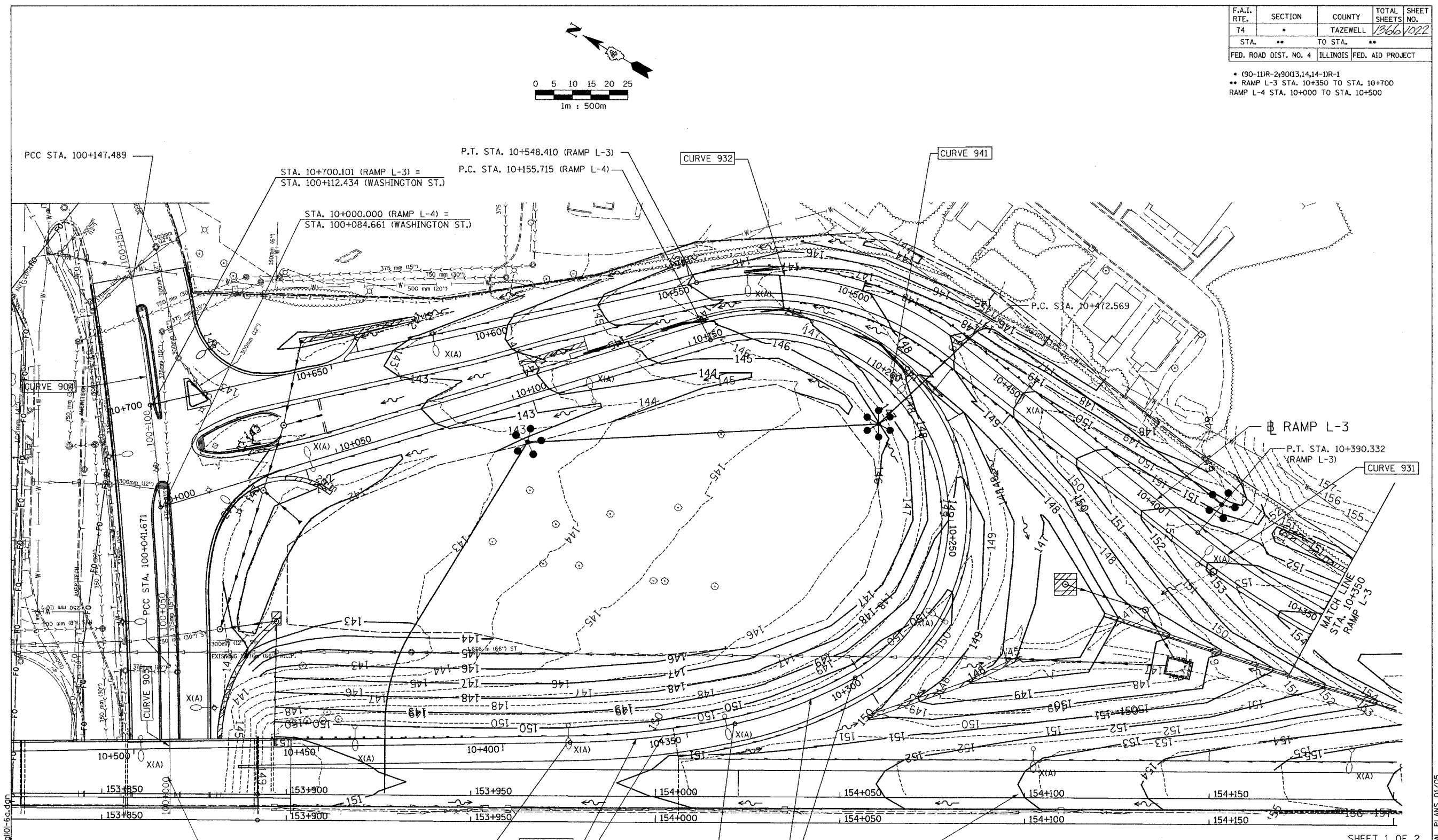
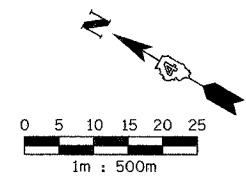
DRAWN BY _____
CHECKED BY _____

CONTRACT 11: PLAN SET 2 OF 3 PRE-FINAL 02/02/04 VEC 29 OF 53. JOB NO. 751-001 VASCONCELLES ENGINEERING CORP. DESIGN FIRM REGISTRATION NUMBER 184-002107

dl0007-ebw

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS NO.	SHEET NO.
74	**	TAZEWELL	1366	1002
STA.	**	TO STA.	**	**
FED. ROAD DIST. NO. 4 ILLINOIS FED. AID PROJECT				

• (90-11R-2) 9013, 14, 14-1R-1
 ** RAMP L-3 STA. 10+350 TO STA. 10+700
 RAMP L-4 STA. 10+000 TO STA. 10+500



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PCC STA. 100+147.489
 STA. 10+700.101 (RAMP L-3) = STA. 100+112.434 (WASHINGTON ST.)
 P.T. STA. 10+548.410 (RAMP L-3)
 P.C. STA. 10+155.715 (RAMP L-4)
 STA. 10+000.000 (RAMP L-4) = STA. 100+084.661 (WASHINGTON ST.)
 P.C. STA. 10+472.569
 PCC STA. 100+041.671
 P.T. STA. 10+390.332 (RAMP L-3)
 P.T. STA. 10+381.757 (RAMP L-4)
 PCC STA. 10+336.757 (RAMP L-4)
 PCC STA. 10+301.757 (RAMP L-4)

ALL DIMENSIONS ARE IN METERS (m) EXCEPT AS NOTED

ALL STATIONS INDICATED ARE WESTBOUND STATIONING UNLESS OTHERWISE NOTED.

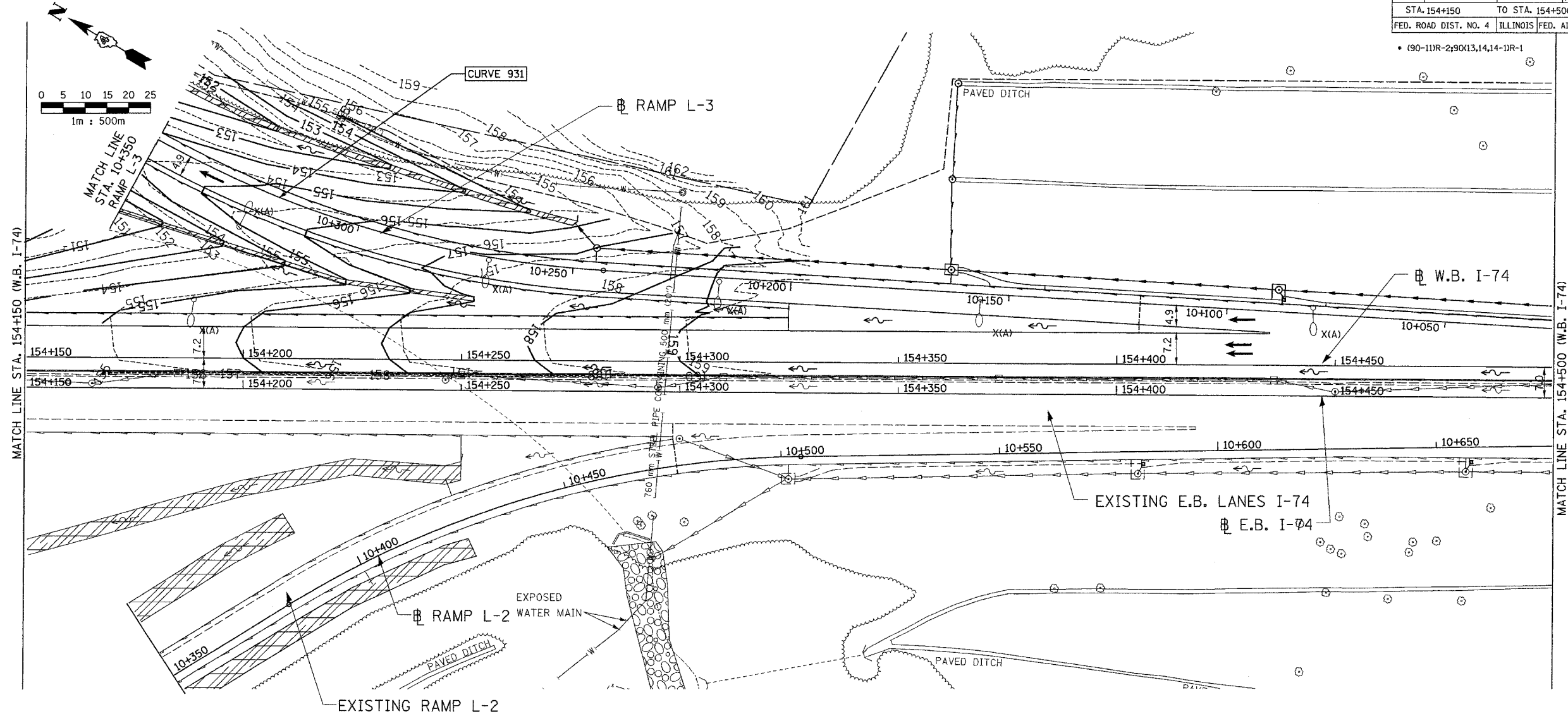


REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 INTERCHANGE GRADING DETAIL
 F.A.I. ROUTE 74 (I-74)
 RAMP L-3
 STA. 10+350 TO STA. 10+700
 RAMP L-4
 STA. 10+000 TO STA. 10+500
 DRAWN BY
 DATE 01/07/2005 CHECKED BY

CONTRACT 11: PLAN SET 2 OF 4 FINAL PLANS 01/05

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	*	TAZEWELL	1366	1023
STA. 154+150		TO STA. 154+500		
FED. ROAD DIST. NO. 4		ILLINOIS		FED. AID PROJECT



• (90-111R-2;9013,14,14-1R-1

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ALL DIMENSIONS ARE IN METERS (m) EXCEPT AS NOTED

DA
 DAILY & ASSOCIATES,
 ENGINEERS, INC.
 PEORIA, ILLINOIS

REVISIONS	
NAME	DATE

SHEET 2 OF 2

ALL STATIONS INDICATED ARE WESTBOUND STATIONING UNLESS OTHERWISE NOTED.

ILLINOIS DEPARTMENT OF TRANSPORTATION

INTERCHANGE GRADING DETAIL
 F.A.I. ROUTE 74 (I-74)
 RAMP L-3
 STA. 10+025 TO STA. 10+350

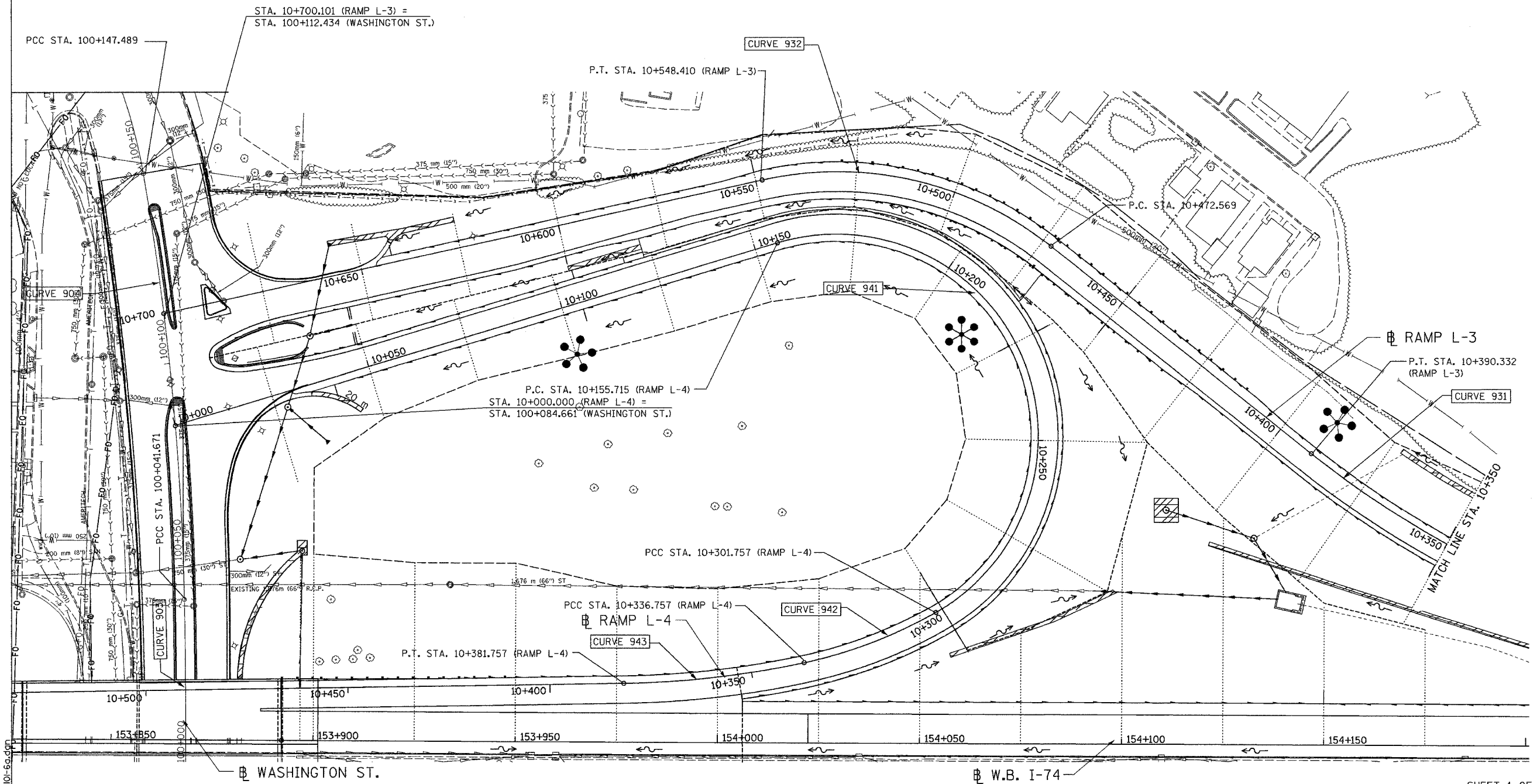
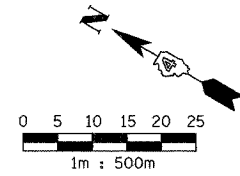
DATE 01/07/2005

DRAWN BY _____
 CHECKED BY _____

CONTRACT 11: PLAN SET 2 OF 4 FINAL PLANS 01/05

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	**	TAZEWELL	1366	1027
STA.	**	TO STA.	**	**
FED. ROAD DIST. NO. 4	ILLINOIS FED. AID PROJECT			

• (90-11)R-2,90(13,14,14-1)R-1
 ** RAMP L-3 STA. 10+350 TO STA. 10+700
 RAMP L-4 STA. 10+000 TO STA. 10+500



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..... SECTION LINE
 - - - - - SHEAR LINE
 - - - - - CONSTRUCTION LIMITS
 KEY STATIONS GIVEN ONLY.

ALL DIMENSIONS ARE IN METERS (m) EXCEPT AS NOTED

D&A
 DAILY & ASSOCIATES,
 ENGINEERS, INC.
 PEORIA, ILLINOIS

REVISIONS	
NAME	DATE

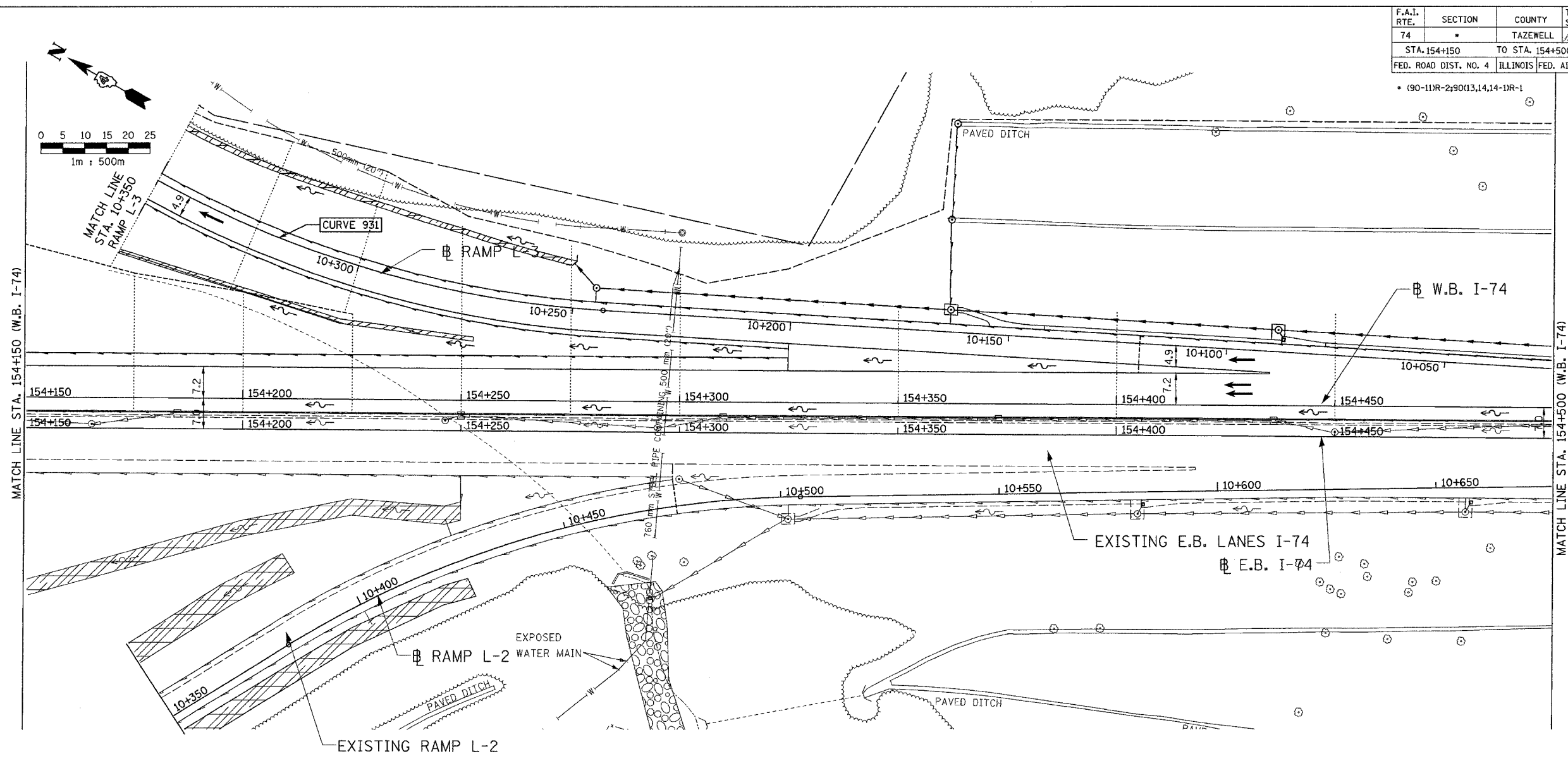
ALL STATIONS INDICATED ARE WESTBOUND STATIONING UNLESS OTHERWISE NOTED.
 ILLINOIS DEPARTMENT OF TRANSPORTATION
 INTERCHANGE MATCH LINE DETAIL
 F.A.I. ROUTE 74 (I-74)
 RAMP L-3
 STA. 10+350 TO STA. 10+700
 RAMP L-4
 STA. 10+000 TO STA. 10+500
 DRAWN BY
 DATE 01/07/2005 CHECKED BY

SHEET 1 OF 2

CONTRACT 11: PLAN SET 2 OF 4 FINAL PLANS 01/05

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	*	TAZEWELL	1966	1025
STA. 154+150		TO STA. 154+500		
FED. ROAD DIST. NO. 4		ILLINOIS		FED. AID PROJECT

90-111R-2;9013,14,14-1R-1



MATCH LINE STA. 154+150 (W.B. I-74)

MATCH LINE STA. 154+500 (W.B. I-74)

- SECTION LINE
- MATCH LINE
- CONSTRUCTION LIMITS

KEY STATIONS GIVEN ONLY.

ALL DIMENSIONS ARE IN METERS (m) EXCEPT AS NOTED

DA
DAILY & ASSOCIATES,
ENGINEERS, INC.
PEORIA, ILLINOIS

REVISIONS	
NAME	DATE

SHEET 2 OF 2

ALL STATIONS INDICATED ARE WESTBOUND STATIONING UNLESS OTHERWISE NOTED.

ILLINOIS DEPARTMENT OF TRANSPORTATION

INTERCHANGE MATCH LINE DETAIL
F.A.I. ROUTE 74 (I-74)
RAMP L-3
STA. 10+025 TO STA. 10+350

DATE 01/07/2005

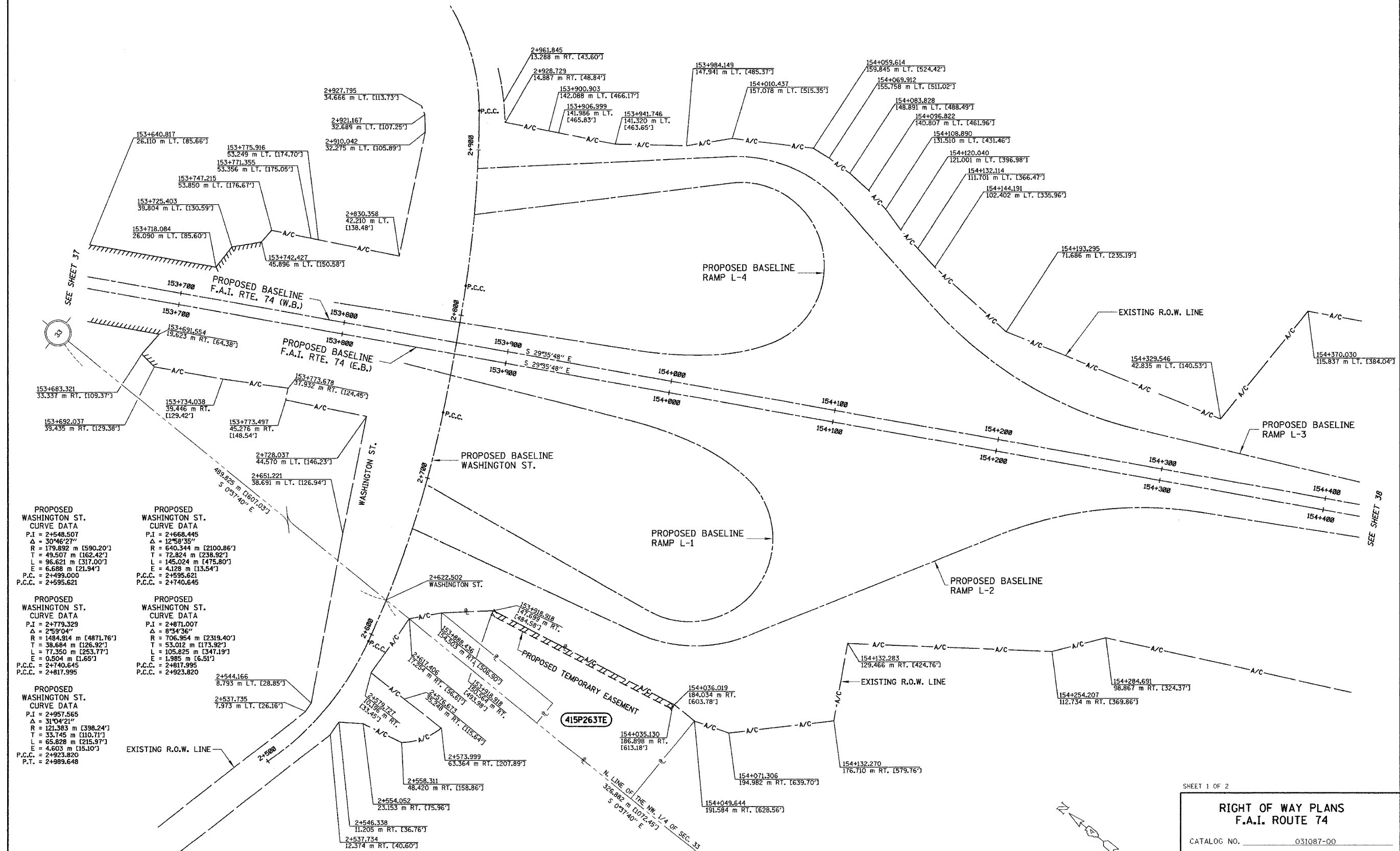
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CHECKED BY _____

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CONTRACT 11: PLAN SET 2 OF 4 FINAL PLANS 01/05

TOWNSHIP 26 NORTH, RANGE 4 WEST, 3rd P.M.

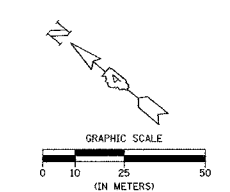
APPROVED BY _____ DISTRICT ENGINEER
 DATE _____
 DRAWN BY _____
 WRITTEN BY _____
 CHECKED BY _____
 INSPECTED BY _____



PROPOSED WASHINGTON ST. CURVE DATA	PROPOSED WASHINGTON ST. CURVE DATA
P.I. = 2+548.507	P.I. = 2+668.445
Δ = 30°46'27"	Δ = 12°58'35"
R = 179.892 m [590.20']	R = 640.344 m [2100.86']
T = 49.507 m [162.42']	T = 72.824 m [238.92']
L = 96.621 m [317.00']	L = 145.024 m [475.80']
E = 6.688 m [21.94']	E = 4.128 m [13.54']
P.C. = 2+499.000	P.C. = 2+595.621
P.C.C. = 2+595.621	P.C.C. = 2+740.645
P.I. = 2+779.329	P.I. = 2+871.007
Δ = 2°59'04"	Δ = 8°34'36"
R = 1484.914 m [4871.76']	R = 706.954 m [2319.40']
T = 38.684 m [126.92']	T = 53.012 m [173.92']
L = 77.350 m [253.77']	L = 105.825 m [347.19']
E = 0.504 m [1.65']	E = 1.985 m [6.51']
P.C. = 2+740.645	P.C. = 2+817.995
P.C.C. = 2+817.995	P.C.C. = 2+923.820
P.I. = 2+957.565	P.I. = 2+514.166
Δ = 31°04'21"	Δ = 8°34'36"
R = 121.383 m [398.24']	R = 706.954 m [2319.40']
T = 33.745 m [110.71']	T = 53.012 m [173.92']
L = 65.828 m [215.97']	L = 105.825 m [347.19']
E = 4.603 m [15.10']	E = 1.985 m [6.51']
P.C. = 2+923.820	P.C. = 2+514.166
P.T. = 2+989.648	P.C.C. = 2+514.166

NOTES:
 SURVEYED IN METRIC, DIMENSIONS SHOWN IN ENGLISH HAVE BEEN CONVERTED (1 METER = 3.28083333') METRIC DIMENSIONS AND AREAS SHALL CONTROL.
 () ENGLISH EQUIVALENT () RECORD DATA

NOTE: PROJECT DATUM IS NAD83 ILLINOIS STATE PLANE COORDINATES, WEST ZONE. THE PROJECT COMBINATION FACTOR IS 0.999941679. ALL LAND ACQUISITION DOCUMENTS WERE PROJECTED TO "GROUND" COORDINATES. FINAL STAKED ALIGNMENTS WERE PROJECTED TO "GROUND" COORDINATES. ALL CONSTRUCTION DOCUMENTS WERE DEVELOPED USING "GRID" COORDINATES.



SHEET 1 OF 2

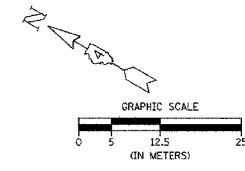
**RIGHT OF WAY PLANS
 F.A.I. ROUTE 74**

CATALOG NO. 031087-00
 SECTION (72-8)R-1,72(9,9-1)R
 STATION 2+150 TO 2+500
 JOB NO. R-94-015-98 COUNTY TAZEWELL
 SCALE 1 : 1000 SHEET 33 OF

NOTE: STATION OFFSETS FROM F.A.I. RTE. 74 ARE FROM THE E.B. BASELINE AND WASHINGTON ST.

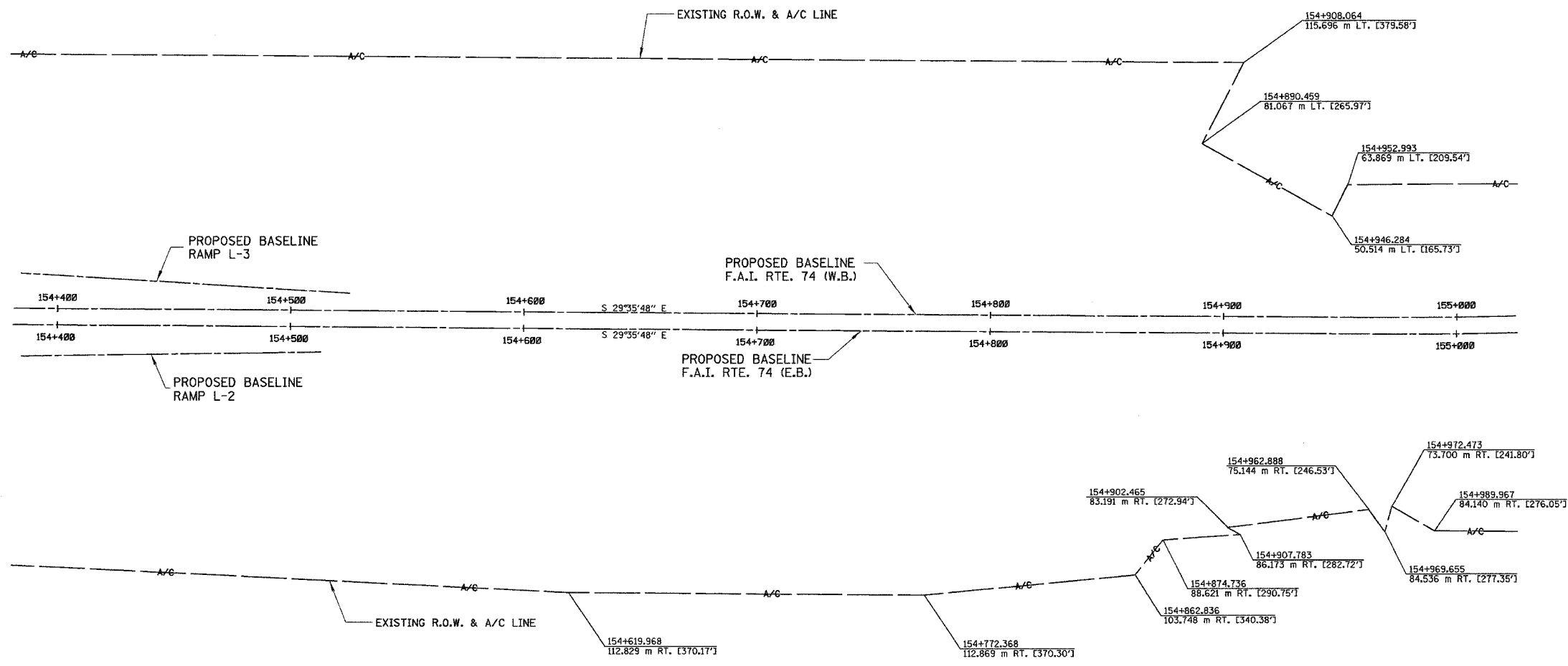
CONTRACT 111 PLAN SET 2 OF 4 FINAL PLANS 01/05

TOWNSHIP 26 NORTH, RANGE 4 WEST, 3rd P.M.



APPROVED BY _____ DISTRICT ENGINEER
DATE _____

SEE SHEET 33



DRAWN BY _____
WRITTEN BY _____
CHECKED BY _____
INSPECTED BY _____

NOTES:
SURVEYED IN METRIC, DIMENSIONS SHOWN IN ENGLISH HAVE BEEN CONVERTED (1 METER = 3.28083333') METRIC DIMENSIONS AND AREAS SHALL CONTROL.
() ENGLISH EQUIVALENT () RECORD DATA

NOTE: PROJECT DATUM IS NAD83 ILLINOIS STATE PLANE COORDINATES, WEST ZONE. THE PROJECT COMBINATION FACTOR IS 0.999941679. ALL LAND ACQUISITION DOCUMENTS WERE PROJECTED TO "GROUND" COORDINATES. FINAL STAKED ALIGNMENTS WERE PROJECTED TO "GROUND" COORDINATES. ALL CONSTRUCTION DOCUMENTS WERE DEVELOPED USING "GRID" COORDINATES.

NOTE: STATION OFFSETS SHOWN FROM F.A.I. RTE. 74 ARE FROM THE E.B. BASELINE

SHEET 2 OF 2

**RIGHT OF WAY PLANS
F.A.I. ROUTE 74**

CATALOG NO. 031087-00

SECTION (72-8)R-1,72(9,9-1)R

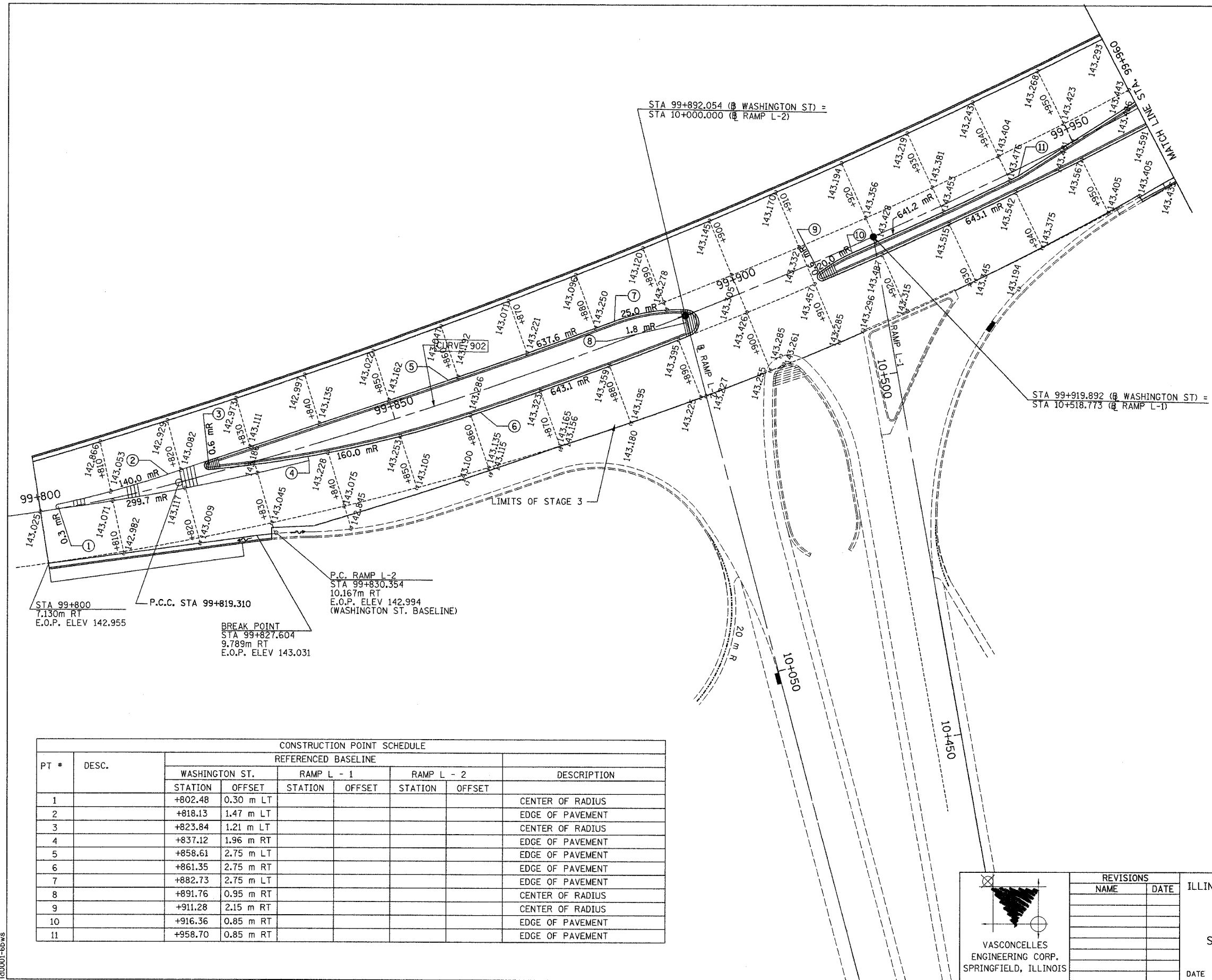
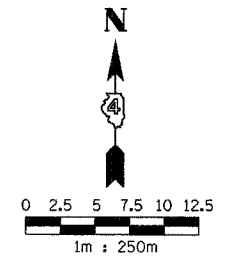
STATION 154+400 TO 155+000

JOB. NO. R-94-015-98 COUNTY TAZEWELL

SCALE 1 : 1000 SHEET 38 OF _____

CONTRACT 11: PLAN SET 2 OF 4 FINAL PLANS 01/05

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74*	**	TAZEWELL	1366	1028
STA. 99+800		TO STA. 99+960		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
*WASHINGTON STREET				
**90-11R-29013,14,14-1R-1				



PT #	DESC.	CONSTRUCTION POINT SCHEDULE						DESCRIPTION
		REFERENCED BASELINE						
		WASHINGTON ST.		RAMP L - 1		RAMP L - 2		
STATION	OFFSET	STATION	OFFSET	STATION	OFFSET			
1		+802.48	0.30 m LT					CENTER OF RADIUS
2		+818.13	1.47 m LT					EDGE OF PAVEMENT
3		+823.84	1.21 m LT					CENTER OF RADIUS
4		+837.12	1.96 m RT					EDGE OF PAVEMENT
5		+858.61	2.75 m LT					EDGE OF PAVEMENT
6		+861.35	2.75 m RT					EDGE OF PAVEMENT
7		+882.73	2.75 m LT					EDGE OF PAVEMENT
8		+891.76	0.95 m RT					CENTER OF RADIUS
9		+911.28	2.15 m RT					CENTER OF RADIUS
10		+916.36	0.85 m RT					EDGE OF PAVEMENT
11		+958.70	0.85 m RT					EDGE OF PAVEMENT

VASCONCELLES
 ENGINEERING CORP.
 SPRINGFIELD, ILLINOIS

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

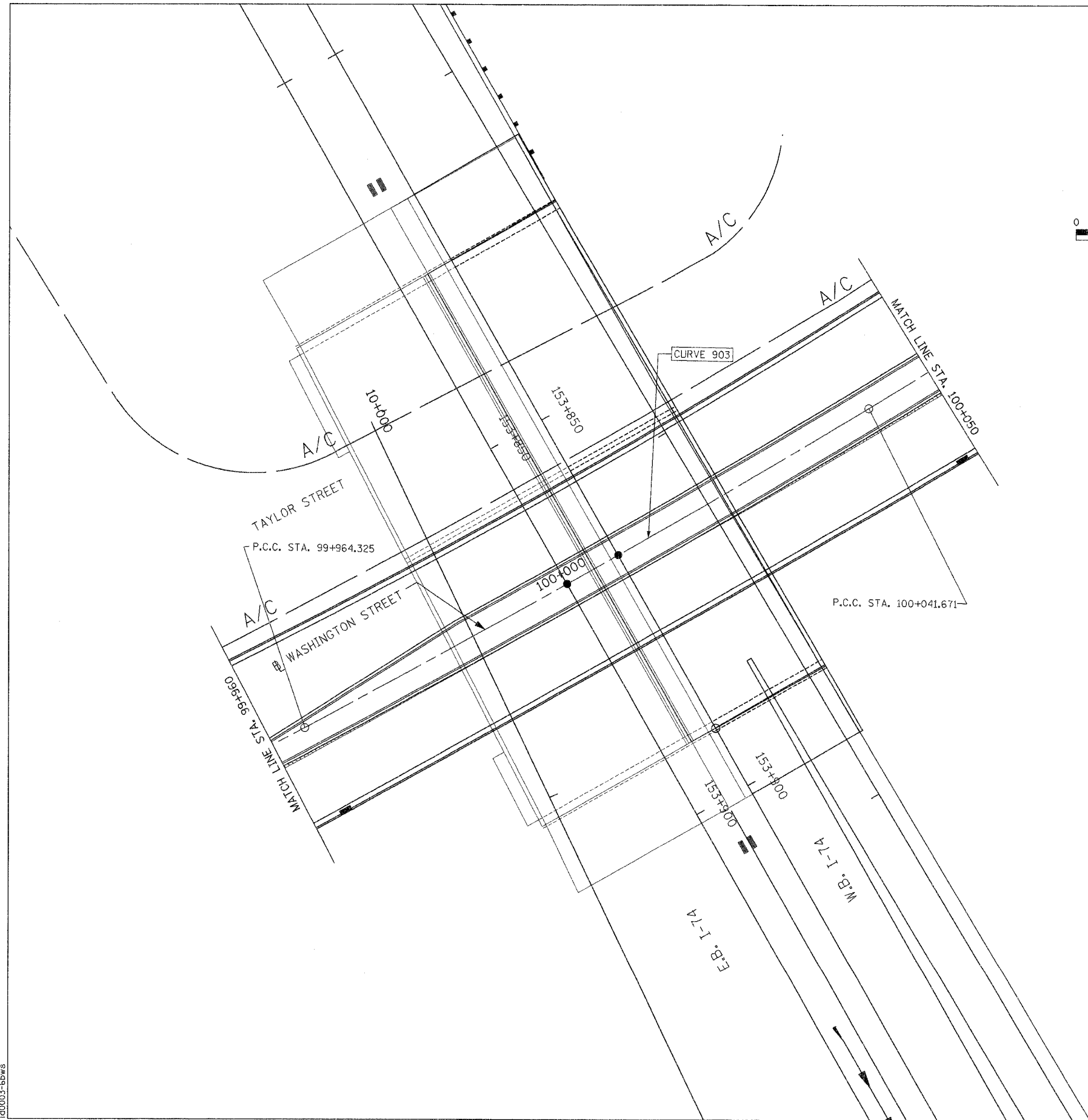
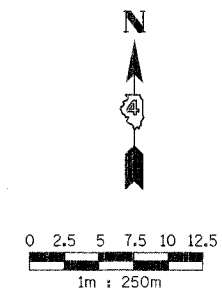
 INTERSECTION DETAIL
 RAMP L-1 AND L-2
 WASHINGTON STREET
 STA. 99+800 TO STA. 99+960

 DRAWN BY _____
 CHECKED BY _____
 DATE _____

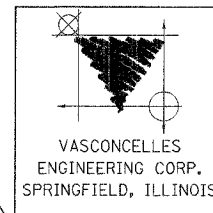
CONTRACT 11: PLAN SET 2 OF 3 PRE-FINAL 02/02/04 VEC 30 OF 53 JOB NO. 751-001 VASCONCELLES ENGINEERING CORP. DESIGN FIRM REGISTRATION NUMBER 184-002107

1d0001-6bws

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74*	**	TAZEWELL	1366	1029
STA. 99+960		TO STA. 100+050		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
*WASHINGTON STREET				
**(90-11R-2)90(13,14,14-1R-1				



140003-5bws



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

INTERSECTION DETAIL
WASHINGTON STREET
STA. 99+960 TO STA. 100+050

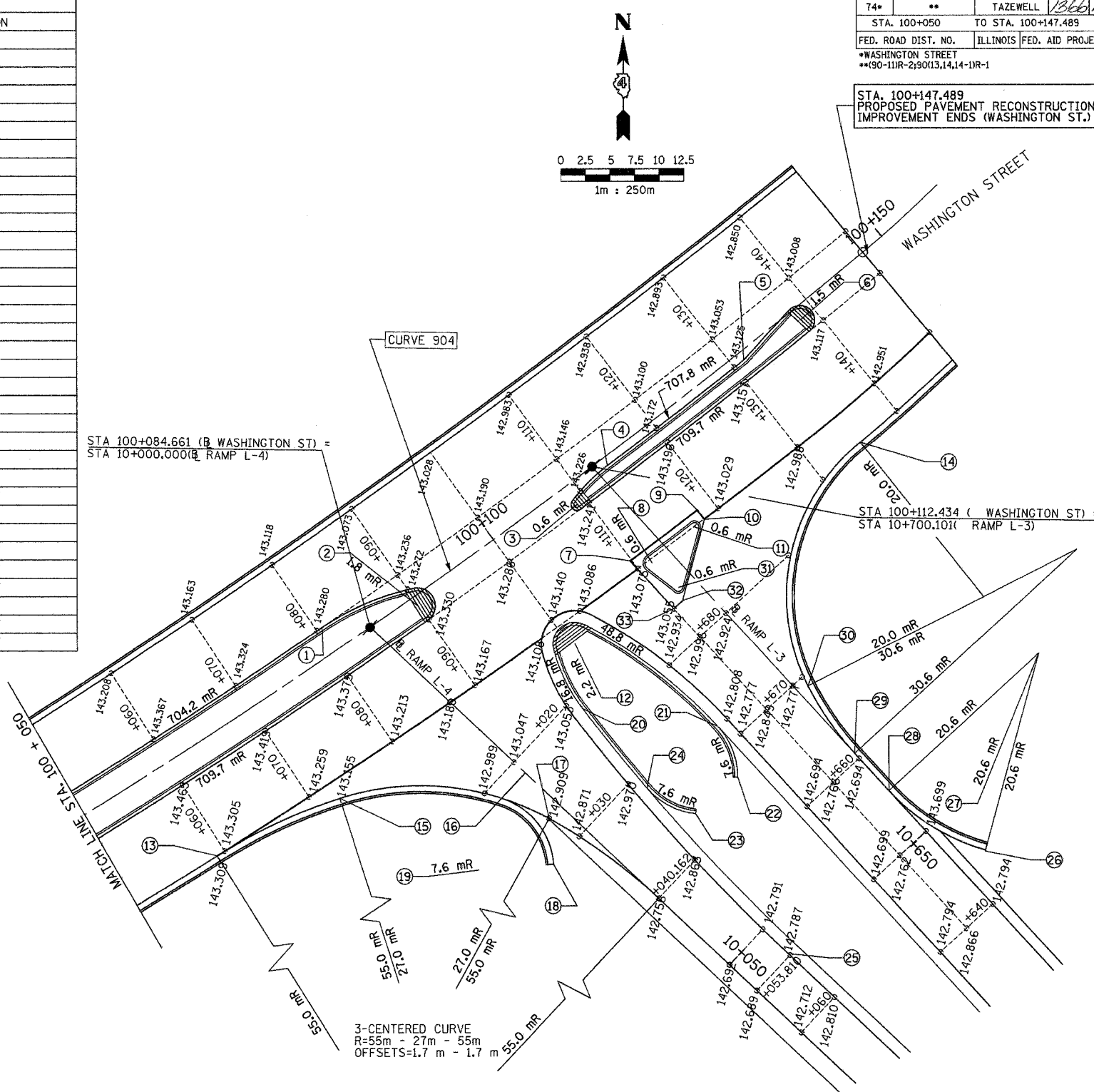
DATE _____ DRAWN BY _____
CHECKED BY _____

CONTRACT 11: PLAN SET 2 OF 3 PRE-FINAL 02/02/04 VEC 31 OF 53 JOB NO. 751-001 VASCONCELLES ENGINEERING CORP. DESIGN FIRM REGISTRATION NUMBER 184-002107

PT #	DESC.	CONSTRUCTION POINT SCHEDULE						DESCRIPTION
		REFERENCED BASELINE						
		WASHINGTON ST.		RAMP L - 3		RAMP L - 4		
STATION	OFFSET	STATION	OFFSET	STATION	OFFSET			
1		+080.63	2.75 m LT					EDGE OF PAVEMENT
2		+089.87	0.95 m RT					CENTER OF RADIUS
3		+108.90	2.15 m RT					CENTER OF RADIUS
4		+113.72	0.85 m RT					EDGE OF PAVEMENT
5		+131.20	0.85 m RT					EDGE OF PAVEMENT
6		+138.18	1.26 m RT					CENTER OF RADIUS
7		+109.84	9.95 m RT					EDGE OF PAVEMENT
8		+111.48	11.45 m RT					CENTER OF RADIUS
9		+118.25	9.95 m RT					EDGE OF PAVEMENT
10		+118.25	11.15 m RT					EDGE OF PAVEMENT
11		+117.03	11.15 m RT					CENTER OF RADIUS
12		+100.48	13.40 m RT					CENTER OF RADIUS
13		+059.10	10.66 m RT					EDGE OF PAVEMENT
14		+134.22	14.74 m RT					EDGE OF PAVEMENT
15				+009.62	14.74 m RT			EDGE OF PAVEMENT
16				+021.58	3.51 m RT			EDGE OF PAVEMENT
17				+026.51	1.72 m RT			EDGE OF PAVEMENT
18				+029.99	4.76 m RT			EDGE OF GUTTER
19				+024.86	10.37 m RT			CENTER OF RADIUS
20				+021.40	8.72 m LT			FACE OF CURB
21				+672.07	8.40 m LT			FACE OF CURB
22				+666.93	10.40 m LT			EDGE OF GUTTER
23				+037.03	8.80 m LT			EDGE OF GUTTER
24				+031.62	7.32 m LT			FACE OF CURB
25				+053.58	6.10 m LT			EDGE OF PAVEMENT
26			+644.55	3.18 m RT				EDGE OF GUTTER
27			+655.56	20.60 m RT				CENTER OF RADIUS
28			+655.56	0				EDGE OF PAVEMENT
29			+660.69	0				EDGE OF PAVEMENT
30			+668.94	1.13 m RT				EDGE OF PAVEMENT
31			+685.18	1.80 m LT				CENTER OF RADIUS
32			+683.92	2.40 m LT				EDGE OF PAVEMENT
33			+683.92	3.60 m LT				EDGE OF PAVEMENT

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74*	**	TAZEWELL	1366	1030
STA. 100+050		TO STA. 100+147.489		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
*WASHINGTON STREET				
**90-11R-29013,14,14-1R-1				

STA. 100+147.489
PROPOSED PAVEMENT RECONSTRUCTION
IMPROVEMENT ENDS (WASHINGTON ST.)

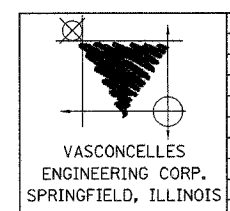


STA 100+084.661 (B WASHINGTON ST) =
STA 10+000.000 (B RAMP L-4)

STA 100+112.434 (WASHINGTON ST) =
STA 10+700.101 (RAMP L-3)

RAMP L-3 VERTICAL CURVE INFORMATION	
V.P.I. STA= 10+641.506	SAG= 10+655.613
ELEV= 142.347	ELEV= 142.685
V.P.C.= 10+610.506	V.C.L.= 62.000m
ELEV= 143.590	
V.P.T.= 10+672.506	
ELEV= 142.812	
BEGIN -4.009%	
END +1.50%	

RAMP L-4 VERTICAL CURVE INFORMATION	
V.P.I. STA= 10+065.000	SAG= 10+052.710
ELEV= 142.372	ELEV= 142.689
V.P.C.= 10+035.000	V.C.L.= 60.000m
ELEV= 142.822	
V.P.T.= 10+095.000	
ELEV= 143.447	
BEGIN -1.50%	
END +3.582%	



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

INTERSECTION DETAIL
RAMPS L-3 AND L-4
WASHINGTON STREET
STA. 100+050 TO STA. 100+147.489

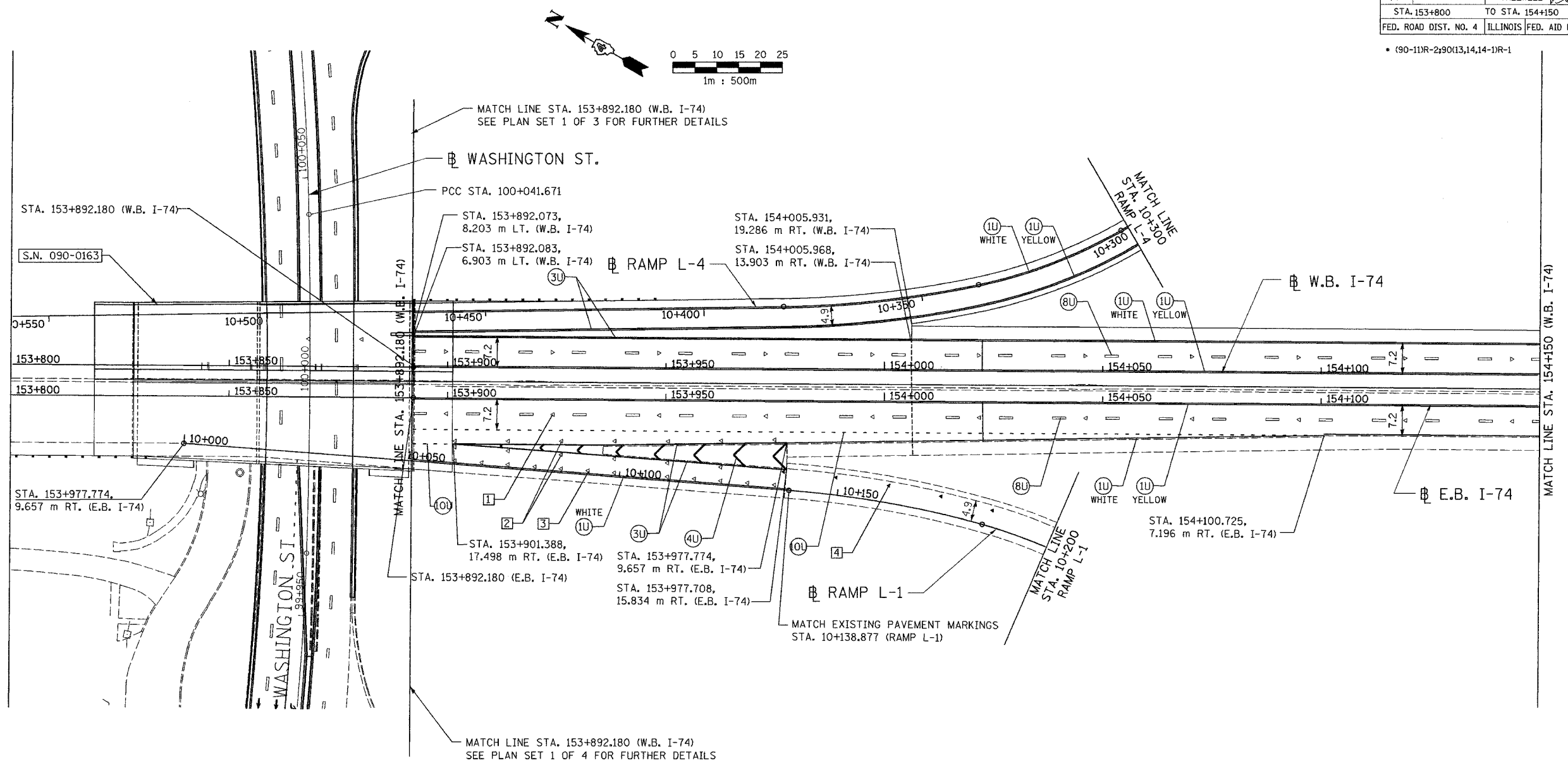
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CONTRACT 11: PLAN SET 2 OF 3 PRE-FINAL 02/02/04 VEC 32 OF 53. JOB NO. 751-001 VASCONCELLES ENGINEERING CORP. DESIGN FIRM REGISTRATION NUMBER 184-002107

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	*	TAZEWELL	366	103
STA. 153+800		TO STA. 154+150		
FED. ROAD DIST. NO. 4		ILLINOIS		FED. AID PROJECT

• (90-11)R-2(90)13,14,14-1R-1



PAVEMENT MARKING LEGEND		RAISED REFLECTIVE PAVEMENT MARKERS	
(1X)	100 (4) SOLID	1	ONE-WAY CRYSTAL MARKER AT 24.38 m(80') CENTERS
(2X)	150 (6) SOLID (WHITE)	2	ONE-WAY CRYSTAL MARKER AT 12.19 m(40') CENTERS
(3X)	200 (8) SOLID (WHITE)	3	ONE-WAY CRYSTAL MARKER AT 6.10 m(20') CENTERS
(4X)	300 (12) SOLID (WHITE)	4	ONE-WAY AMBER MARKER AT 12.19 m(40') CENTERS
(5X)	600 (24) SOLID (WHITE)	5	TWO-WAY AMBER MARKER AT 12.19 m(40') CENTERS FOR SPEEDS LESS THAN 45 MPH
(6X)	100 (4) DOUBLE SOLID (YELLOW)	6	TWO-WAY AMBER MARKER AT 24.38 m(80') CENTERS FOR SPEEDS GREATER THAN 45 MPH
(7X)	100 (4) SKIP DASH		
(8X)	150 (6) SKIP DASH		
(9X)	200 (8) SKIP DASH		
(10X)	200 (8) DOTTED (WHITE)		
(11X)	LETTERS AND ARROWS		

WHERE "X" DESIGNATES:		WHITE
E	EPOXY	—
P	PAINT	—
T	THERMOPLASTIC	—
U	POLYUREA	—
TP	TEMPORARY PAVEMENT MARKING TAPE	—
T3	PAVEMENT MARKING TAPE, TYPE III	—
W3	WET TEMPORARY PAVEMENT MARKING TAPE, TYPE III	—
		YELLOW

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

ALL DIMENSIONS ARE IN METERS (m) EXCEPT AS NOTED

ALL STATIONS INDICATED ARE WESTBOUND STATIONING UNLESS OTHERWISE NOTED.

DA & A
DAILY & ASSOCIATES, ENGINEERS, INC.
PEORIA, ILLINOIS

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

PROPOSED PAVEMENT MARKING PLAN
F.A.I. ROUTE 74 (I-74)
STA. 153+892.180 TO STA. 154+150

DATE 01/07/2005

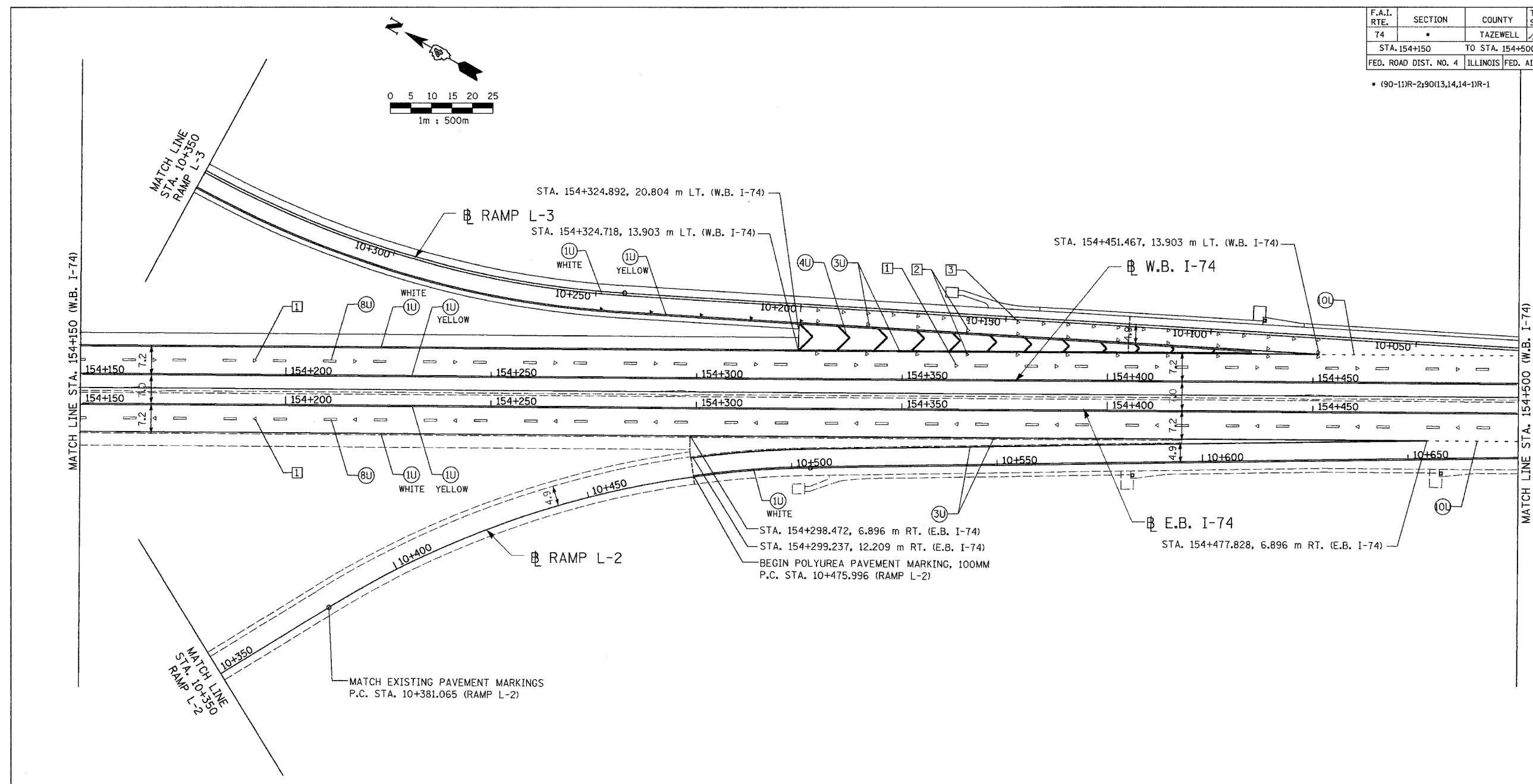
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CONTRACT 11: PLAN SET 2 OF 4 FINAL PLANS 01/05

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	*	TAZEWELL	1366	1032
STA. 154+150		TO STA. 154+500		
FED. ROAD DIST. NO. 4		ILLINOIS FED. AID PROJECT		

* (90-11)R-2;90(13,14,14-1)R-1



PAVEMENT MARKING LEGEND		RAISED REFLECTIVE PAVEMENT MARKERS	
(1X)	100 (4) SOLID	1	ONE-WAY CRYSTAL MARKER AT 24.38 m(80') CENTERS
(2X)	150 (6) SOLID (WHITE)	2	ONE-WAY CRYSTAL MARKER AT 12.19 m(40') CENTERS
(3X)	200 (8) SOLID (WHITE)	3	ONE-WAY CRYSTAL MARKER AT 6.10 m(20') CENTERS
(4X)	300 (12) SOLID (WHITE)	4	ONE-WAY AMBER MARKER AT 12.19 m(40') CENTERS
(5X)	600 (24) SOLID (WHITE)	5	TWO-WAY AMBER MARKER AT 12.19 m(40') CENTERS FOR SPEEDS LESS THAN 45 MPH
(6X)	100 (4) DOUBLE SOLID (YELLOW)	6	TWO-WAY AMBER MARKER AT 24.38 m(80') CENTERS FOR SPEEDS GREATER THAN 45 MPH
(7X)	100 (4) SKIP DASH		
(8X)	150 (6) SKIP DASH		
(9X)	200 (8) SKIP DASH		
(10X)	200 (8) DOTTED (WHITE)		
(11X)	LETTERS AND ARROWS		

WHERE "X" DESIGNATES:		WHITE	YELLOW
E	= EPOXY	—	—
P	= PAINT	—	—
T	= THERMOPLASTIC	—	—
U	= POLYUREA	—	—
TP	= TEMPORARY PAVEMENT MARKING TAPE		
T3	= PAVEMENT MARKING TAPE, TYPE III		
W3	= WET TEMPORARY PAVEMENT MARKING TAPE, TYPE III		

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

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ALL DIMENSIONS ARE IN METERS (m) EXCEPT AS NOTED

DA
DAILY & ASSOCIATES,
ENGINEERS, INC.
PEORIA, ILLINOIS

REVISIONS	
NAME	DATE

SHEET 2 OF 6

ALL STATIONS INDICATED ARE WESTBOUND STATIONING UNLESS OTHERWISE NOTED.

ILLINOIS DEPARTMENT OF TRANSPORTATION

PROPOSED PAVEMENT MARKING PLAN
F.A.I. ROUTE 74 (I-74)
STA. 154+150 TO STA. 154+500

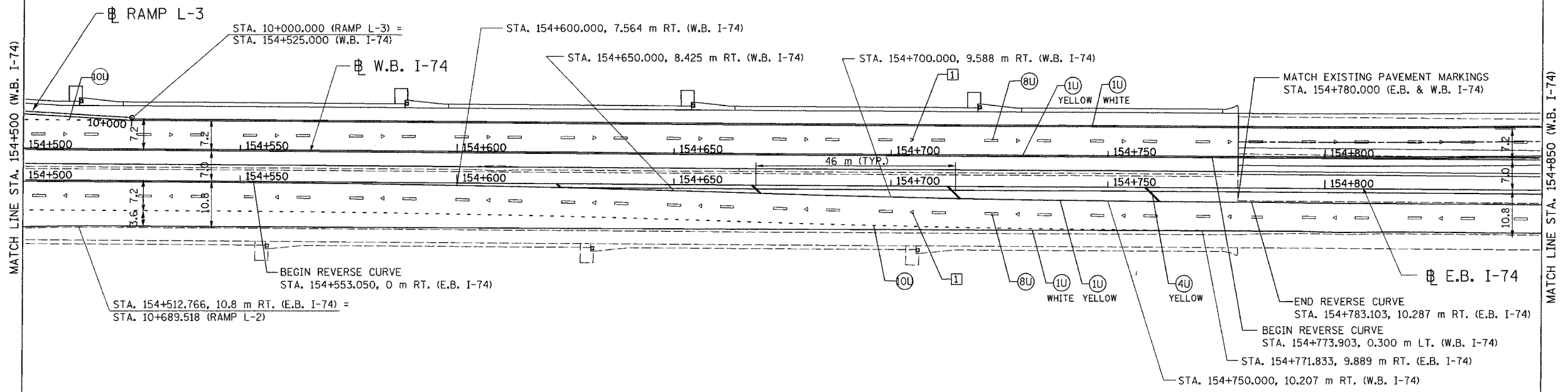
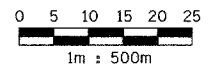
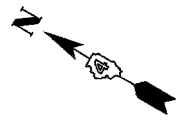
DATE 01/07/2005

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CONTRACT 11: PLAN SET 2 OF 4 FINAL PLANS 01/05

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	*	TAZEWELL	1366	1033
STA. 154+500		TO STA. 154+850		
FED. ROAD DIST. NO. 4		ILLINOIS		FED. AID PROJECT

• (90-11)R-2:90(13,14,14-1)R-1



PAVEMENT MARKING LEGEND		RAISED REFLECTIVE PAVEMENT MARKERS	
(1X)	100 (4) SOLID	1	ONE-WAY CRYSTAL MARKER AT 24.38 m(80') CENTERS
(2X)	150 (6) SOLID (WHITE)	2	ONE-WAY CRYSTAL MARKER AT 12.19 m(40') CENTERS
(3X)	200 (8) SOLID (WHITE)	3	ONE-WAY CRYSTAL MARKER AT 6.10 m(20') CENTERS
(4X)	300 (12) SOLID (WHITE)	4	ONE-WAY AMBER MARKER AT 12.19 m(40') CENTERS
(5X)	600 (24) SOLID (WHITE)	5	TWO-WAY AMBER MARKER AT 12.19 m(40') CENTERS FOR SPEEDS LESS THAN 45 MPH
(6X)	100 (4) DOUBLE SOLID (YELLOW)	6	TWO-WAY AMBER MARKER AT 24.38 m(80') CENTERS FOR SPEEDS GREATER THAN 45 MPH
(7X)	100 (4) SKIP DASH		
(8X)	150 (6) SKIP DASH		
(9X)	200 (8) SKIP DASH		
(10X)	200 (8) DOTTED (WHITE)		
(11X)	LETTERS AND ARROWS		

WHERE "X" DESIGNATES:		—	WHITE
E	EPOXY	—	YELLOW
P	PAINT		
T	THERMOPLASTIC		
U	POLYUREA		
TP	TEMPORARY PAVEMENT MARKING TAPE		
T3	PAVEMENT MARKING TAPE, TYPE III		
W3	WET TEMPORARY PAVEMENT MARKING TAPE, TYPE III		

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

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ALL DIMENSIONS ARE IN METERS (m) EXCEPT AS NOTED

ALL STATIONS INDICATED ARE WESTBOUND STATIONING UNLESS OTHERWISE NOTED.

DAILY & ASSOCIATES,
ENGINEERS, INC.
PEORIA, ILLINOIS

REVISIONS	
NAME	DATE

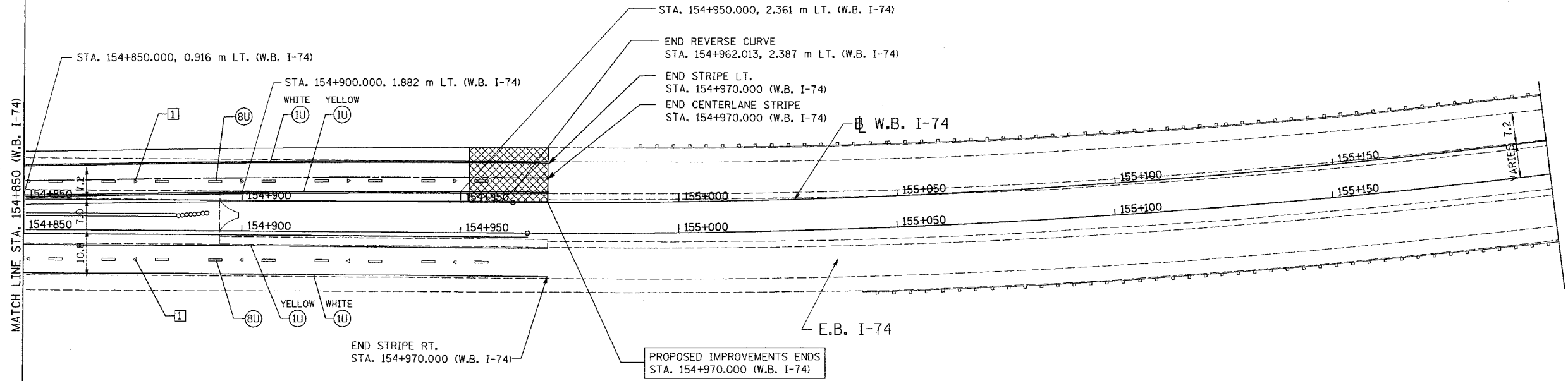
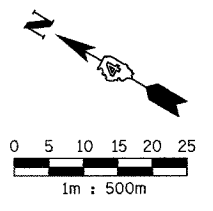
ILLINOIS DEPARTMENT OF TRANSPORTATION
PROPOSED PAVEMENT MARKING PLAN
F.A.I. ROUTE 74 (I-74)
STA. 154+500 TO STA. 154+850
DATE 01/07/2005
DRAWN BY
CHECKED BY

SHEET 3 OF 6

CONTRACT I: PLAN SET 2 OF 4 FINAL PLANS 01/05

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS NO.	SHEET NO.
74	*	TAZEWELL	1266	1034
STA. 154+850		TO STA. 155+200		
FED. ROAD DIST. NO. 4		ILLINOIS FED. AID PROJECT		

• (90-11)R-2;90(13,14,14-1)R-1



PAVEMENT MARKING LEGEND		RAISED REFLECTIVE PAVEMENT MARKERS	
(1X)	100 (4) SOLID	1	◀ ONE-WAY CRYSTAL MARKER AT 24.38 m(80') CENTERS
(2X)	150 (6) SOLID (WHITE)	2	◀ ONE-WAY CRYSTAL MARKER AT 12.19 m(40') CENTERS
(3X)	200 (8) SOLID (WHITE)	3	◀ ONE-WAY CRYSTAL MARKER AT 6.10 m(20') CENTERS
(4X)	300 (12) SOLID (WHITE)	4	◀ ONE-WAY AMBER MARKER AT 12.19 m(40') CENTERS
(5X)	600 (24) SOLID (WHITE)	5	◆ TWO-WAY AMBER MARKER AT 12.19 m(40') CENTERS FOR SPEEDS LESS THAN 45 MPH
(6X)	100 (4) DOUBLE SOLID (YELLOW)	6	◆ TWO-WAY AMBER MARKER AT 24.38 m(80') CENTERS FOR SPEEDS GREATER THAN 45 MPH
(7X)	100 (4) SKIP DASH		
(8X)	150 (6) SKIP DASH		
(9X)	200 (8) SKIP DASH		
(10X)	200 (8) DOTTED (WHITE)		
(11X)	LETTERS AND ARROWS		

WHERE "X" DESIGNATES:		
E	= EPOXY	— WHITE
P	= PAINT	— YELLOW
T	= THERMOPLASTIC	
U	= POLYUREA	
TP	= TEMPORARY PAVEMENT MARKING TAPE	
T3	= PAVEMENT MARKING TAPE, TYPE III	
W3	= WET TEMPORARY PAVEMENT MARKING TAPE, TYPE III	

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

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ALL DIMENSIONS ARE IN METERS (m) EXCEPT AS NOTED

REVISIONS	
NAME	DATE

SHEET 4 OF 6
ALL STATIONS INDICATED ARE WESTBOUND STATIONING UNLESS OTHERWISE NOTED.

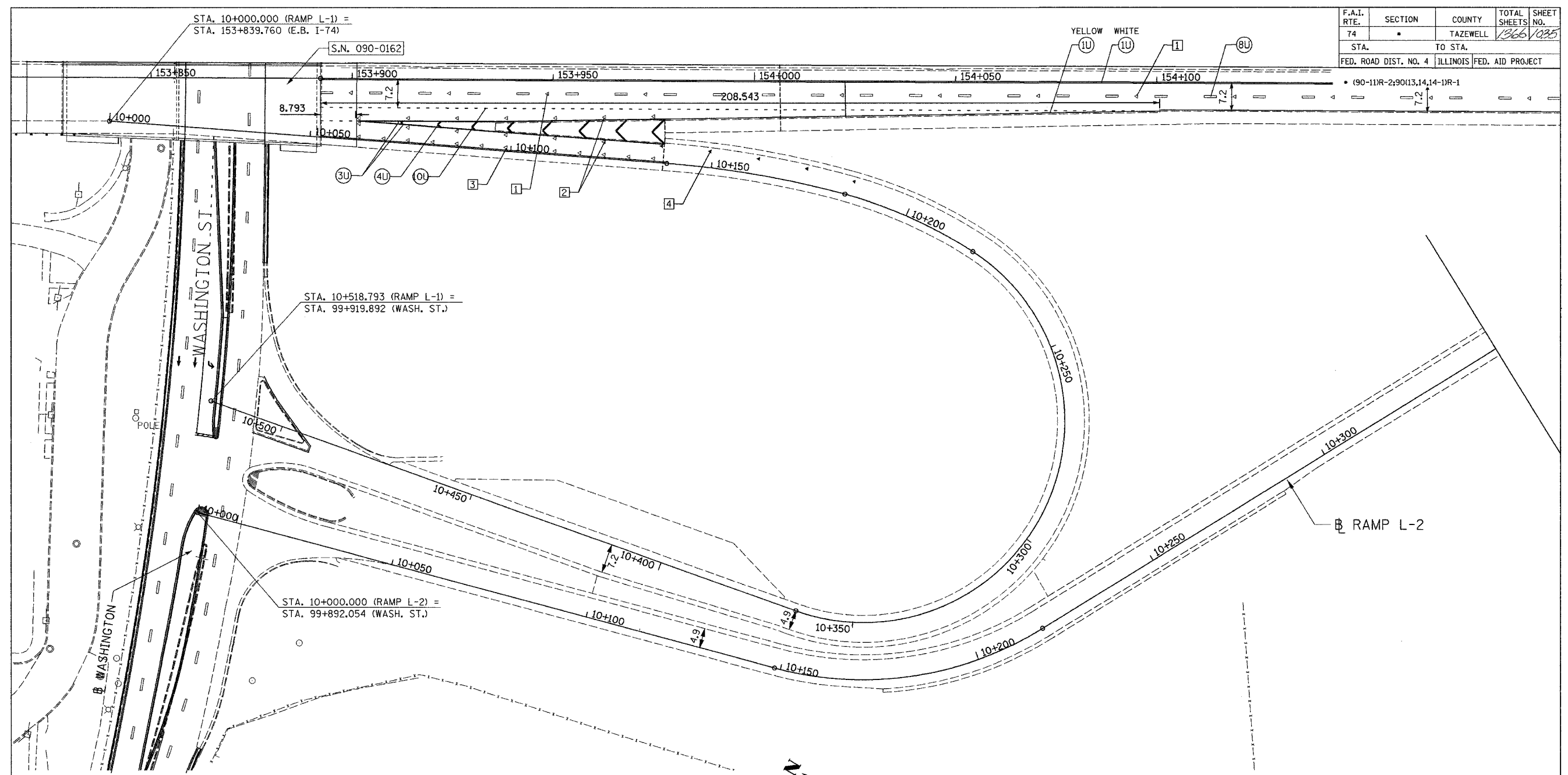
ILLINOIS DEPARTMENT OF TRANSPORTATION

PROPOSED PAVEMENT MARKING PLAN
F.A.I. ROUTE 74 (I-74)
STA. 154+850 TO STA. 155+200

DATE 01/07/2005

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CHECKED BY

CONTRACT I: PLAN SET 2 OF 4 FINAL PLANS 01/05



F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	*	TAZEWELL	1366	1085
STA.	TO STA.			
FED. ROAD DIST. NO. 4	ILLINOIS		FED. AID PROJECT	

PAVEMENT MARKING LEGEND

- (1X) 100 (4) SOLID
- (2X) 150 (6) SOLID (WHITE)
- (3X) 200 (8) SOLID (WHITE)
- (4X) 300 (12) SOLID (WHITE)
- (5X) 600 (24) SOLID (WHITE)
- (6X) 100 (4) DOUBLE SOLID (YELLOW)
- (7X) 100 (4) SKIP DASH
- (8X) 150 (6) SKIP DASH
- (9X) 200 (8) SKIP DASH
- (10X) 200 (8) DOTTED (WHITE)
- (11X) LETTERS AND ARROWS

RAISED REFLECTIVE PAVEMENT MARKERS

- 1 ONE-WAY CRYSTAL MARKER AT 24.38 m(80') CENTERS
- 2 ONE-WAY CRYSTAL MARKER AT 12.19 m(40') CENTERS
- 3 ONE-WAY CRYSTAL MARKER AT 6.10 m(20') CENTERS
- 4 ONE-WAY AMBER MARKER AT 12.19 m(40') CENTERS
- 5 TWO-WAY AMBER MARKER AT 12.19 m(40') CENTERS FOR SPEEDS LESS THAN 45 MPH
- 6 TWO-WAY AMBER MARKER AT 24.38 m(80') CENTERS FOR SPEEDS GREATER THAN 45 MPH

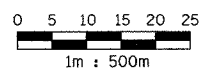
WHERE "X" DESIGNATES:

- E = EPOXY
- P = PAINT
- T = THERMOPLASTIC
- U = POLYUREA

TP= TEMPORARY PAVEMENT MARKING TAPE
T3= PAVEMENT MARKING TAPE, TYPE III
W3= WET TEMPORARY PAVEMENT MARKING TAPE, TYPE III

— WHITE
— YELLOW

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



ALL DIMENSIONS ARE IN METERS (m) EXCEPT AS NOTED

ALL STATIONS INDICATED ARE WESTBOUND STATIONING UNLESS OTHERWISE NOTED.

DAILY & ASSOCIATES,
ENGINEERS, INC.
PEORIA, ILLINOIS

REVISIONS	
NAME	DATE

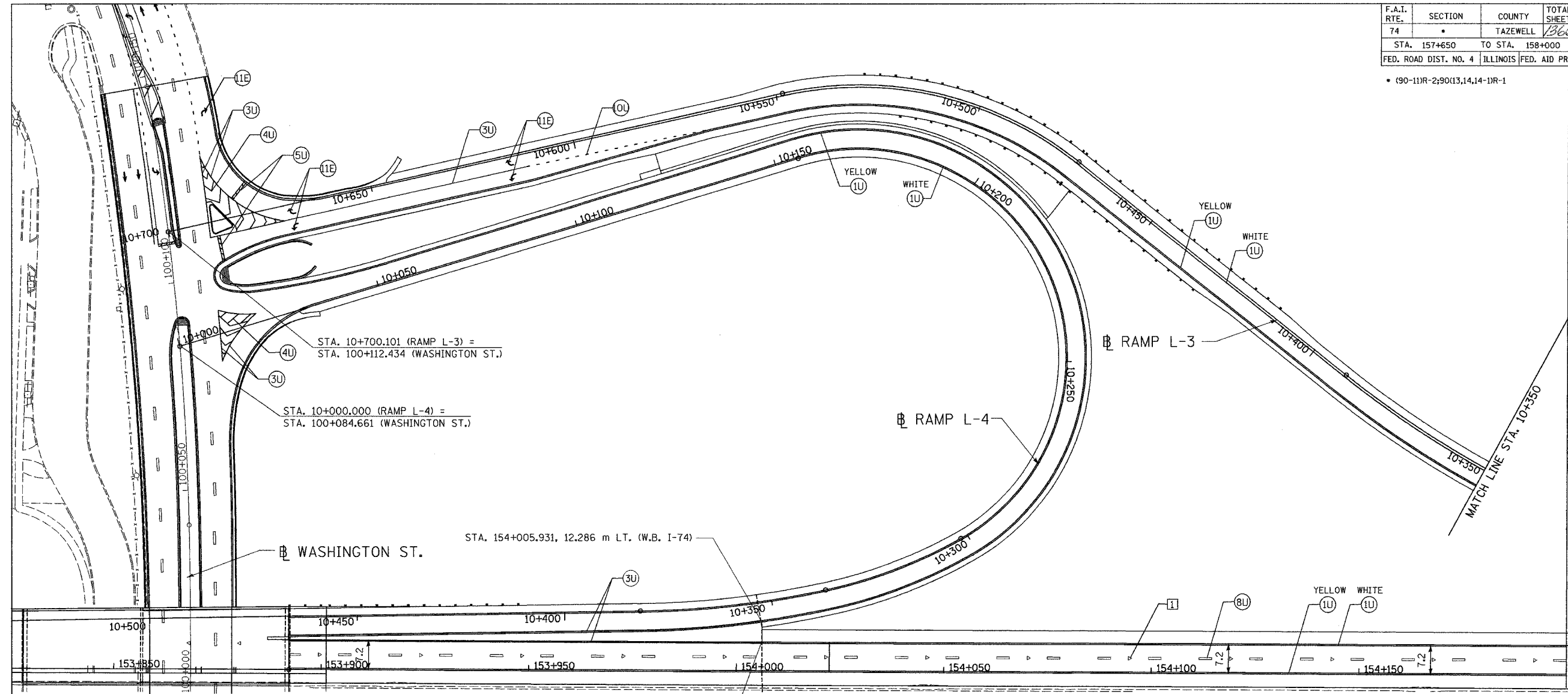
ILLINOIS DEPARTMENT OF TRANSPORTATION
PROPOSED PAVEMENT MARKING PLAN
F.A.I. ROUTE 74 (I-74)
RAMP L-1 STA. 10+200 TO STA. 10+518.793
AND
RAMP L-2 STA. 10+000 TO STA. 10+350.000
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DATE 01/07/2005
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SHEET 5 OF 6
CONTRACT I1: PLAN SET 2 OF 4 FINAL PLANS 01/05

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74		TAZEWELL	366	1086
STA. 157+650 TO STA. 158+000				
FED. ROAD DIST. NO. 4		ILLINOIS FED. AID PROJECT		

• 90-11R-2;90(13,14,14-1R-1



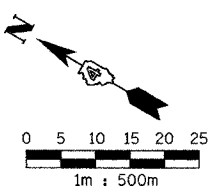
STA. 10+700.101 (RAMP L-3) =
STA. 100+112.434 (WASHINGTON ST.)

STA. 10+000.000 (RAMP L-4) =
STA. 100+084.661 (WASHINGTON ST.)

WASHINGTON ST.

STA. 154+005.931, 12.286 m LT. (W.B. I-74)

STA. 154+005.967, 6.903 m LT. (W.B. I-74)



PAVEMENT MARKING LEGEND		RAISED REFLECTIVE PAVEMENT MARKERS	
(1X) 100 (4) SOLID		1	ONE-WAY CRYSTAL MARKER AT 24.38 m(80') CENTERS
(2X) 150 (6) SOLID (WHITE)		2	ONE-WAY CRYSTAL MARKER AT 12.19 m(40') CENTERS
(3X) 200 (8) SOLID (WHITE)		3	ONE-WAY CRYSTAL MARKER AT 6.10 m(20') CENTERS
(4X) 300 (12) SOLID (WHITE)		4	ONE-WAY AMBER MARKER AT 12.19 m(40') CENTERS
(5X) 600 (24) SOLID (WHITE)		5	TWO-WAY AMBER MARKER AT 12.19 m(40') CENTERS FOR SPEEDS LESS THAN 45 MPH
(6X) 100 (4) DOUBLE SOLID (YELLOW)		6	TWO-WAY AMBER MARKER AT 24.38 m(80') CENTERS FOR SPEEDS GREATER THAN 45 MPH
(7X) 100 (4) SKIP DASH			
(8X) 150 (6) SKIP DASH			
(9X) 200 (8) SKIP DASH			
(10X) 200 (8) DOTTED (WHITE)			
(11X) LETTERS AND ARROWS			
WHERE "X" DESIGNATES:		— WHITE	
E = EPOXY		— YELLOW	
P = PAINT			
T = THERMOPLASTIC			
U = POLYUREA			
TP= TEMPORARY PAVEMENT MARKING TAPE			
T3= PAVEMENT MARKING TAPE, TYPE III			
W3= WET TEMPORARY PAVEMENT MARKING TAPE, TYPE III			
All dimensions are in millimeters (inches) unless otherwise shown.			

ALL DIMENSIONS ARE IN METERS (m) EXCEPT AS NOTED

DA
DAILY & ASSOCIATES,
ENGINEERS, INC.
PEORIA, ILLINOIS

REVISIONS	
NAME	DATE

SHEET 6 OF 6
ALL STATIONS INDICATED ARE WESTBOUND STATIONING UNLESS OTHERWISE NOTED.
ILLINOIS DEPARTMENT OF TRANSPORTATION
PROPOSED PAVEMENT MARKING PLAN
F.A.I. ROUTE 74 (I-74)
RAMP L-3
STA. 10+350 TO STA. 10+700
RAMP L-4
STA. 10+000 TO STA. 10+500
DRAWN BY
DATE 01/07/2005 CHECKED BY

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CONTRACT 11: PLAN SET 2 OF 4 FINAL PLANS 01/05

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS NO.	SHEET NO.
74*	**	TAZEWELL	1366	1037
STA. 99+800		TO STA. 99+960		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
WASHINGTON STREET ●90-11R-2;9013,14,14-1R-1				

PAVEMENT MARKING LEGEND

- (1X) 100 (4) SOLID
- (2X) 150 (6) SOLID
- (3X) 200 (8) SOLID
- (4X) 300 (12) SOLID
- (5X) 600 (24) SOLID
- (6X) 100 (4) DOUBLE SOLID
- (7X) 100 (4) SKIP DASH
- (8X) 150 (6) SKIP DASH
- (9X) 200 (8) SKIP DASH
- (10X) 200 (8) DOTTED
- (11X) LETTERS AND ARROWS

RAISED REFLECTIVE PAVEMENT MARKERS

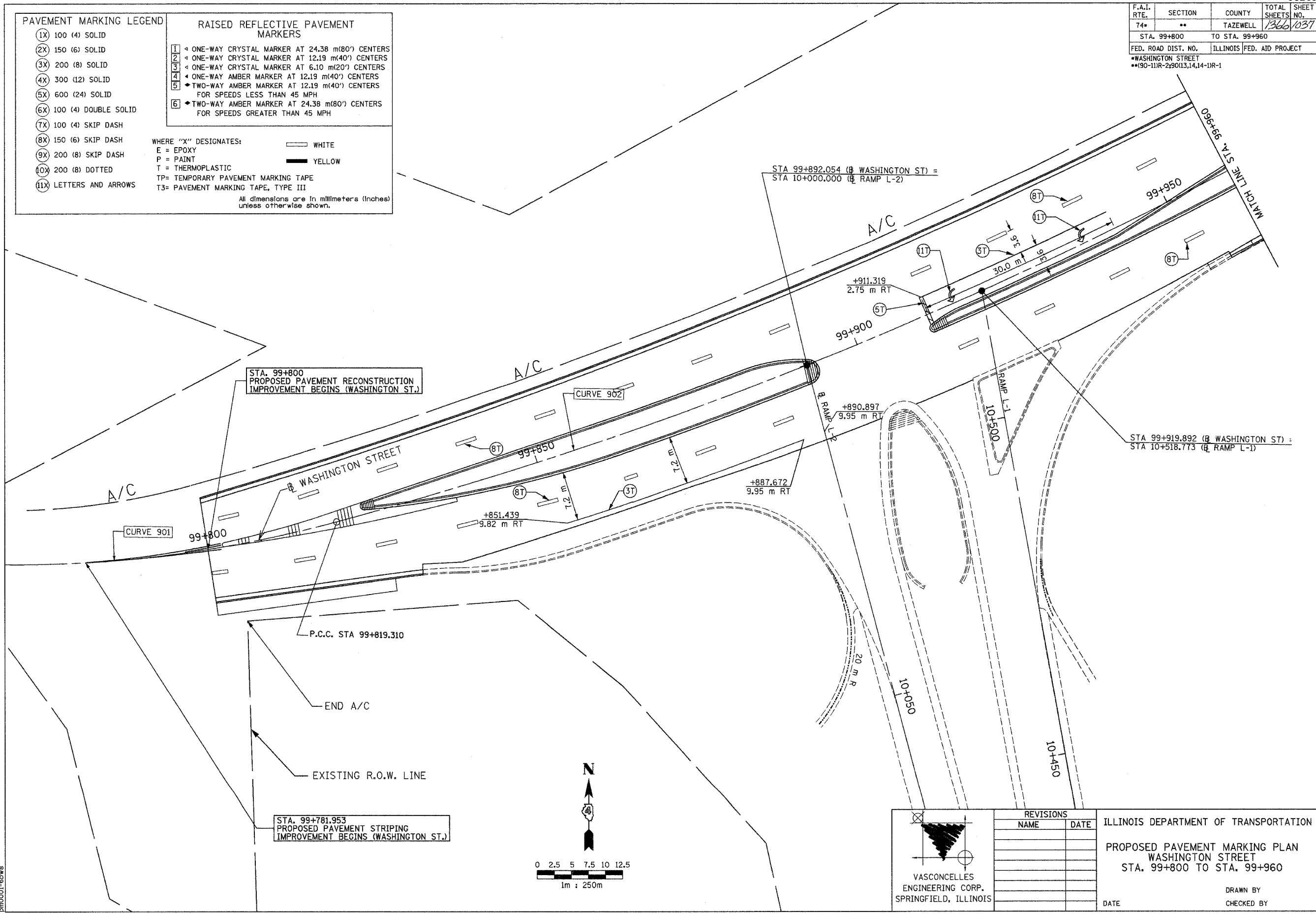
- 1 < ONE-WAY CRYSTAL MARKER AT 24.38 m(80') CENTERS
- 2 < ONE-WAY CRYSTAL MARKER AT 12.19 m(40') CENTERS
- 3 < ONE-WAY CRYSTAL MARKER AT 6.10 m(20') CENTERS
- 4 < ONE-WAY AMBER MARKER AT 12.19 m(40') CENTERS
- 5 < TWO-WAY AMBER MARKER AT 12.19 m(40') CENTERS FOR SPEEDS LESS THAN 45 MPH
- 6 < TWO-WAY AMBER MARKER AT 24.38 m(80') CENTERS FOR SPEEDS GREATER THAN 45 MPH

WHERE "X" DESIGNATES:

- E = EPOXY
- P = PAINT
- T = THERMOPLASTIC
- TP= TEMPORARY PAVEMENT MARKING TAPE
- T3= PAVEMENT MARKING TAPE, TYPE III

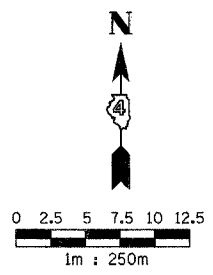
— WHITE
— YELLOW

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



STA. 99+800
PROPOSED PAVEMENT RECONSTRUCTION
IMPROVEMENT BEGINS (WASHINGTON ST.)

STA. 99+781.953
PROPOSED PAVEMENT STRIPING
IMPROVEMENT BEGINS (WASHINGTON ST.)



VASCONCELLES
ENGINEERING CORP.
SPRINGFIELD, ILLINOIS

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
PROPOSED PAVEMENT MARKING PLAN
WASHINGTON STREET
STA. 99+800 TO STA. 99+960

DATE _____ DRAWN BY _____
CHECKED BY _____

CONTRACT II: PLAN SET 2 OF 3 PRE-FINAL 02/02/04 VEC 33 OF 53. JOB NO. 751-001 VASCONCELLES ENGINEERING CORP. DESIGN FIRM REGISTRATION NUMBER 184-002107

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74*	**	TAZEWELL	1366	1028
STA. 99+960		TO STA. 100+050		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
*WASHINGTON STREET				
**90-11R-2,9013,14,14-1R-1				

PAVEMENT MARKING LEGEND

- (1X) 100 (4) SOLID
- (2X) 150 (6) SOLID
- (3X) 200 (8) SOLID
- (4X) 300 (12) SOLID
- (5X) 600 (24) SOLID
- (6X) 100 (4) DOUBLE SOLID
- (7X) 100 (4) SKIP DASH
- (8X) 150 (6) SKIP DASH
- (9X) 200 (8) SKIP DASH
- (10X) 200 (8) DOTTED
- (11X) LETTERS AND ARROWS

RAISED REFLECTIVE PAVEMENT MARKERS

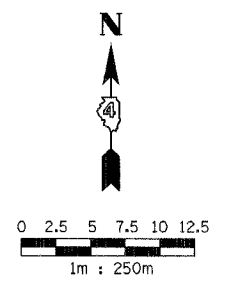
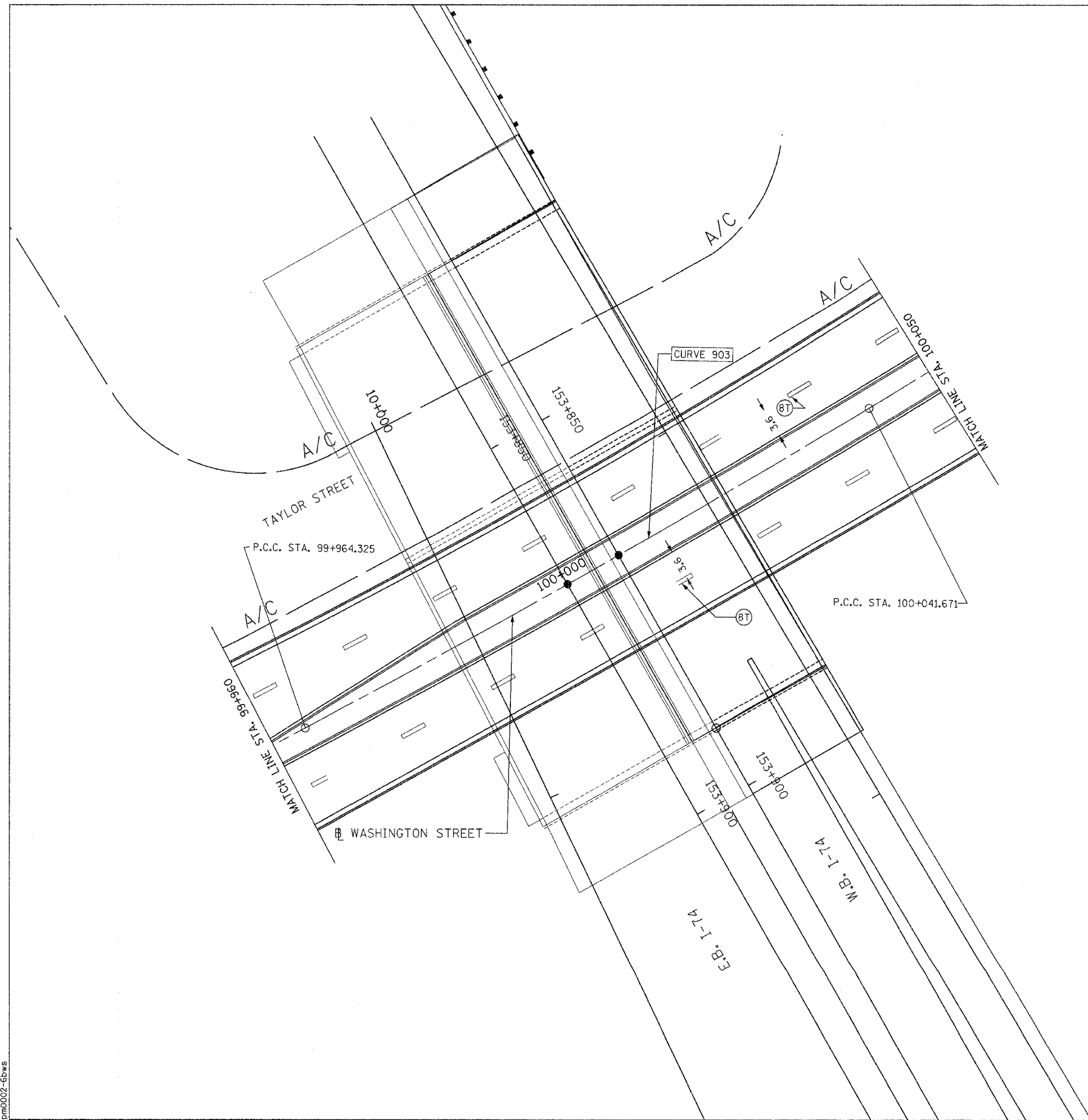
- 1 ONE-WAY CRYSTAL MARKER AT 24.38 m(80') CENTERS
- 2 ONE-WAY CRYSTAL MARKER AT 12.19 m(40') CENTERS
- 3 ONE-WAY CRYSTAL MARKER AT 6.10 m(20') CENTERS
- 4 ONE-WAY AMBER MARKER AT 12.19 m(40') CENTERS
- 5 TWO-WAY AMBER MARKER AT 12.19 m(40') CENTERS FOR SPEEDS LESS THAN 45 MPH
- 6 TWO-WAY AMBER MARKER AT 24.38 m(80') CENTERS FOR SPEEDS GREATER THAN 45 MPH

WHERE "X" DESIGNATES:

E = EPOXY
 P = PAINT
 T = THERMOPLASTIC
 TP = TEMPORARY PAVEMENT MARKING TAPE
 T3 = PAVEMENT MARKING TAPE, TYPE III

WHITE
 YELLOW

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



VASCONCELLES
 ENGINEERING CORP.
 SPRINGFIELD, ILLINOIS

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

PROPOSED PAVEMENT MARKING PLAN
 WASHINGTON STREET
 STA. 99+960 TO STA. 100+050

DATE _____ DRAWN BY _____
 CHECKED BY _____

CONTRACT 11: PLAN SET 2 OF 3 PRE-FINAL 02/02/04 VEC 34 OF 53. JOB NO. 751-001 VASCONCELLES ENGINEERING CORP. DESIGN FIRM REGISTRATION NUMBER 181-002107

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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74*	**	TAZEWELL	1366	1039
STA. 100+050		TO STA. 100+200		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
*WASHINGTON STREET				
**90-1UR-290(13,14,14-1R-1				

PAVEMENT MARKING LEGEND

- (1X) 100 (4) SOLID
- (2X) 150 (6) SOLID
- (3X) 200 (8) SOLID
- (4X) 300 (12) SOLID
- (5X) 600 (24) SOLID
- (6X) 100 (4) DOUBLE SOLID
- (7X) 100 (4) SKIP DASH
- (8X) 150 (6) SKIP DASH
- (9X) 200 (8) SKIP DASH
- (10X) 200 (8) DOTTED
- (11X) LETTERS AND ARROWS

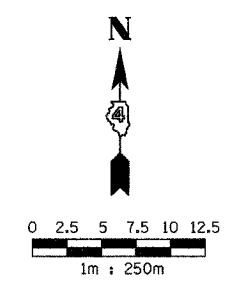
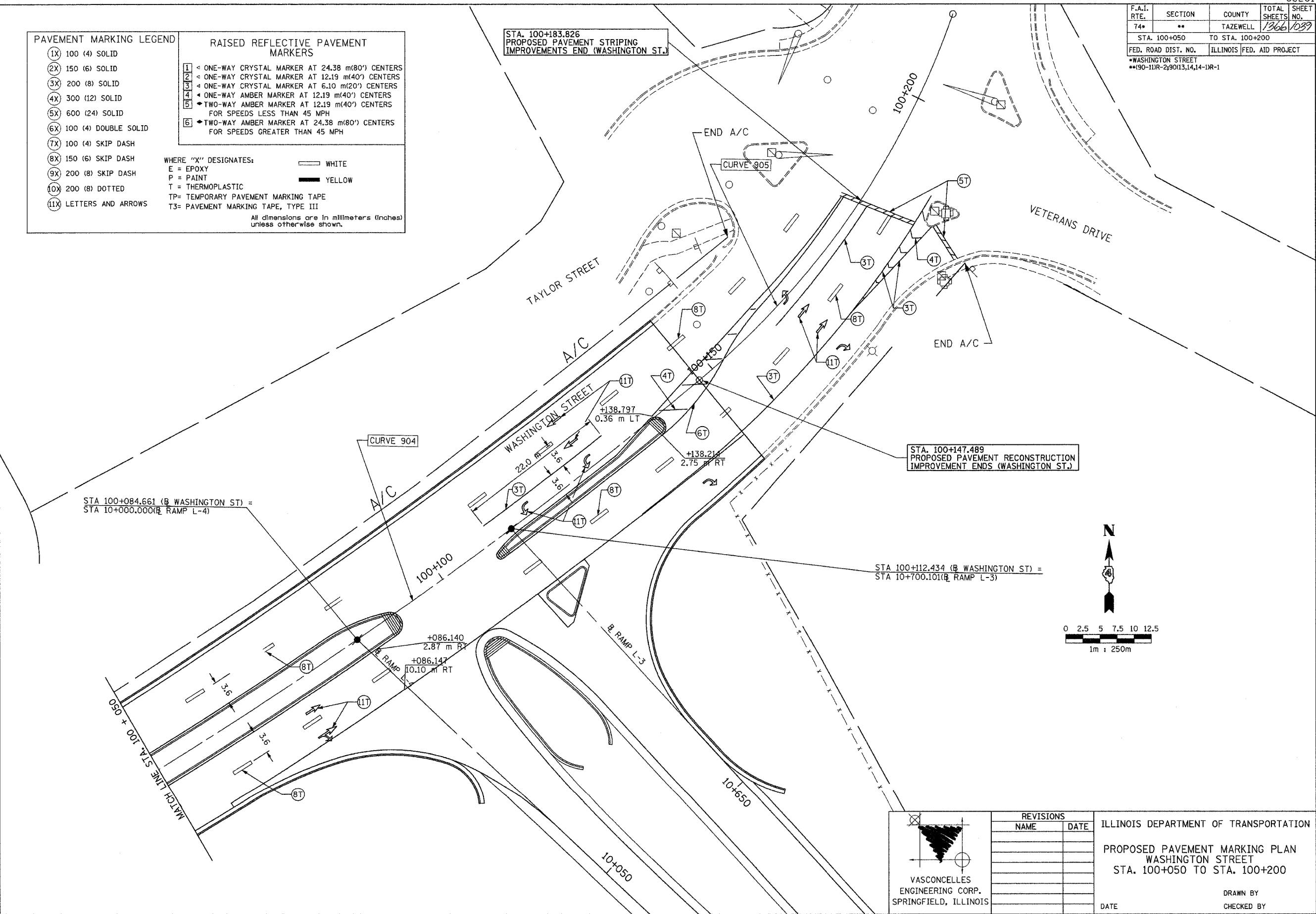
RAISED REFLECTIVE PAVEMENT MARKERS

- 1 ◁ ONE-WAY CRYSTAL MARKER AT 24.38 m(80') CENTERS
- 2 ◁ ONE-WAY CRYSTAL MARKER AT 12.19 m(40') CENTERS
- 3 ◁ ONE-WAY CRYSTAL MARKER AT 6.10 m(20') CENTERS
- 4 ◁ ONE-WAY AMBER MARKER AT 12.19 m(40') CENTERS
- 5 ◁ TWO-WAY AMBER MARKER AT 12.19 m(40') CENTERS FOR SPEEDS LESS THAN 45 MPH
- 6 ◁ TWO-WAY AMBER MARKER AT 24.38 m(80') CENTERS FOR SPEEDS GREATER THAN 45 MPH

WHERE "X" DESIGNATES:
 E = EPOXY
 P = PAINT
 T = THERMOPLASTIC
 TP= TEMPORARY PAVEMENT MARKING TAPE
 T3= PAVEMENT MARKING TAPE, TYPE III

— WHITE
 — YELLOW

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



VASCONCELLES
 ENGINEERING CORP.
 SPRINGFIELD, ILLINOIS

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

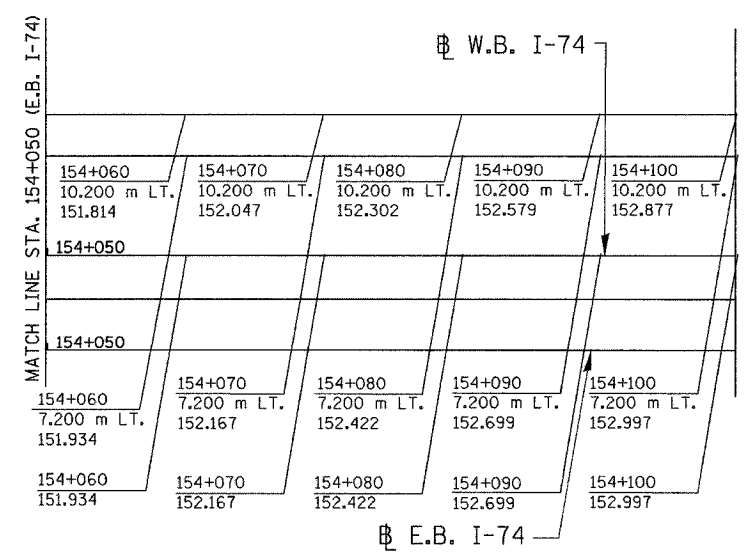
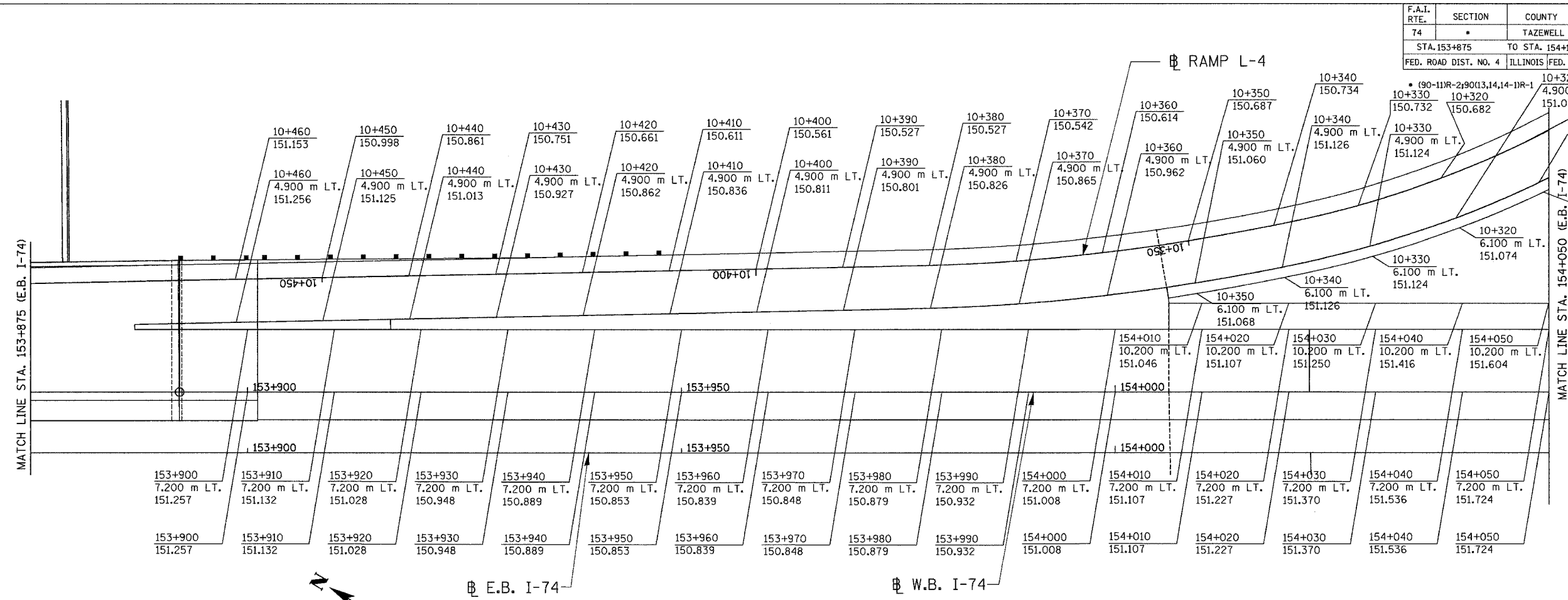
PROPOSED PAVEMENT MARKING PLAN
 WASHINGTON STREET
 STA. 100+050 TO STA. 100+200

DATE _____ DRAWN BY _____
 CHECKED BY _____

CONTRACT 11: PLAN SET 2 OF 3 PRE-FINAL 02/02/04 VEC 35 OF 53. JOB NO. 751-001 VASCONCELLES ENGINEERING CORP. DESIGN FIRM REGISTRATION NUMBER 184-002107

p10003-6bws

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74		TAZEWELL	1366	1040
STA. 153+875		TO STA. 154+100		
FED. ROAD DIST. NO. 4		ILLINOIS FED. AID PROJECT		



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SHEET 1 OF 3

ALL DIMENSIONS ARE IN METERS (m) EXCEPT AS NOTED

ALL STATIONS INDICATED ARE WESTBOUND STATIONING UNLESS OTHERWISE NOTED.

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 DAILY & ASSOCIATES,
 ENGINEERS, INC.
 PEORIA, ILLINOIS

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

RAMP L-4 GORE DETAILS
 F.A.I. ROUTE 74 (I-74)
 STA. 153+875 TO STA. 154+100

DATE 01/07/2005

DRAWN BY
 CHECKED BY

CONTRACT 11: PLAN SET 2 OF 4 FINAL PLANS 01/05



F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	*	TAZEWELL	1866	104
STA. 154+200 TO STA. 154+550		ILLINOIS FED. AID PROJECT		

* (90-11)R-2-90(13,14,14-1)R-1

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CONTRACT 11: PLAN SET 2 OF 4 FINAL PLANS 01/05

ALL DIMENSIONS ARE IN METERS (m) EXCEPT AS NOTED

ALL STATIONS INDICATED ARE WESTBOUND STATIONING UNLESS OTHERWISE NOTED.



REVISIONS	
NAME	DATE

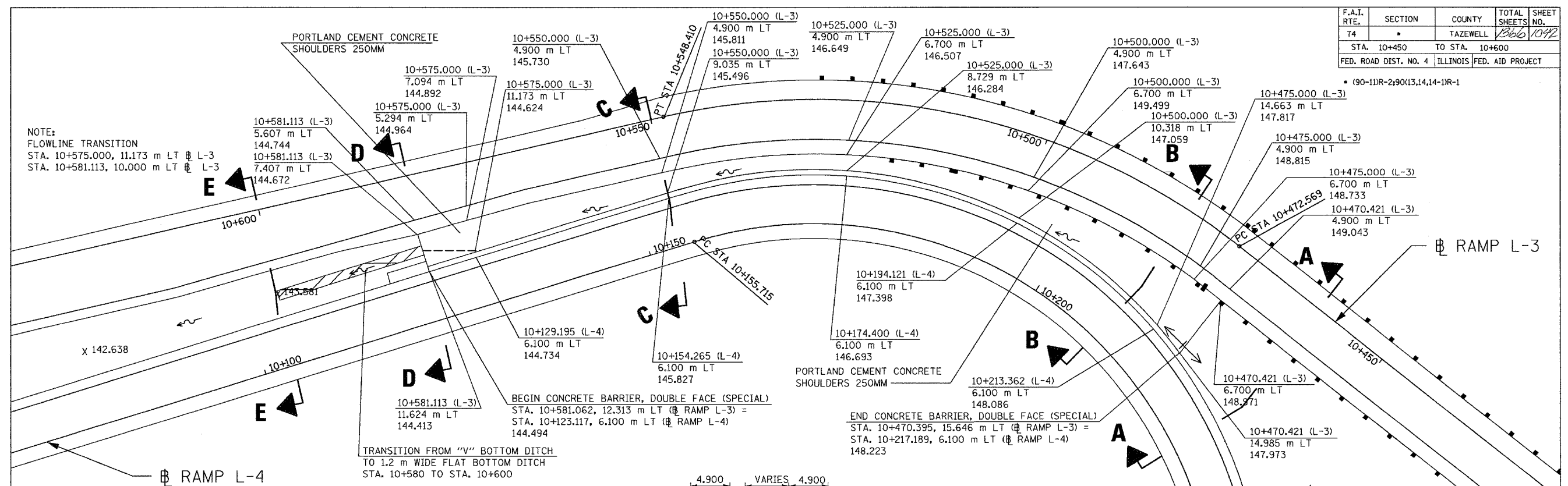
ILLINOIS DEPARTMENT OF TRANSPORTATION

RAMP L-3 GORE DETAILS
 F.A.I. ROUTE 74 (I-74)
 STA. 154+200 TO STA. 154+550

DRAWN BY
 CHECKED BY

DATE 01/07/2005

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	*	TAZEWELL	1366	1042
STA. 10+450		TO STA. 10+600		
FED. ROAD DIST. NO. 4		ILLINOIS FED. AID PROJECT		



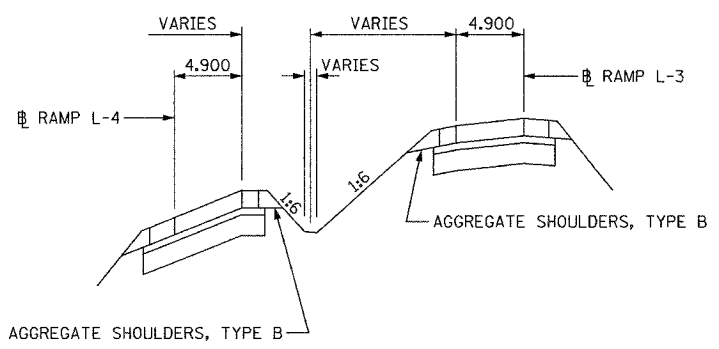
NOTE:
FLOWLINE TRANSITION
STA. 10+575.000, 11.173 m LT @ L-3
STA. 10+581.113, 10.000 m LT @ L-3

BEGIN CONCRETE BARRIER, DOUBLE FACE (SPECIAL)
STA. 10+581.062, 12.313 m LT @ RAMP L-3 =
STA. 10+123.117, 6.100 m LT @ RAMP L-4 =
144.494

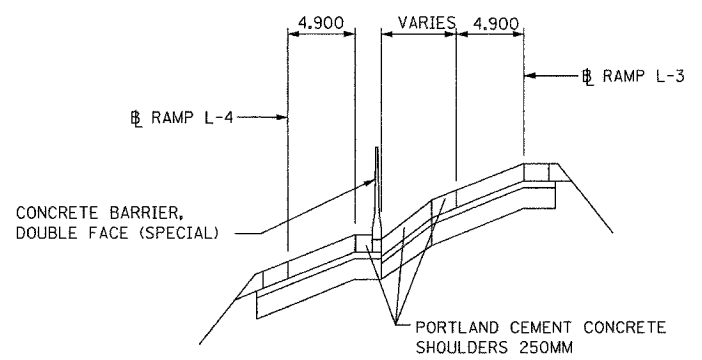
END CONCRETE BARRIER, DOUBLE FACE (SPECIAL)
STA. 10+470.395, 15.646 m LT @ RAMP L-3 =
STA. 10+217.189, 6.100 m LT @ RAMP L-4 =
148.223

TRANSITION FROM "V" BOTTOM DITCH
TO 1.2 m WIDE FLAT BOTTOM DITCH
STA. 10+580 TO STA. 10+600

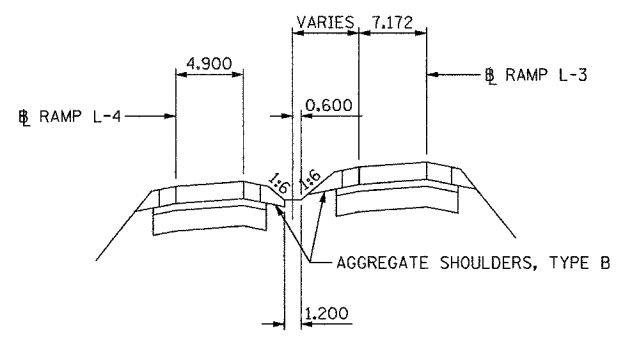
NOTE:
STATIONING: UTILIZE RAMP L-3 STATIONING ON RAMP L-3 SIDE OF BARRIER AND RAMP L-4 STATIONING ON RAMP L-4 SIDE OF BARRIER.
SEE MISCELLANEOUS DETAILS SUPERELEVATION TABLES FOR RAMP L-3 AND RAMP L-4 PAVEMENT GRADES AND ELEVATIONS.
SEE MISCELLANEOUS DETAILS CONCRETE BARRIER DETAILS RAMP L-3/L-4 FOR CONCRETE BARRIER AND ADJACENT SHOULDER INFORMATION.



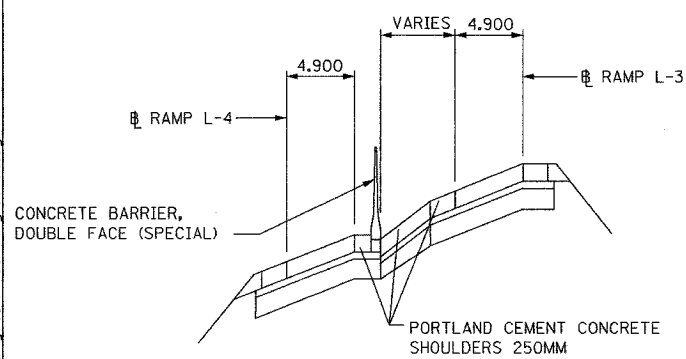
SECTION A-A



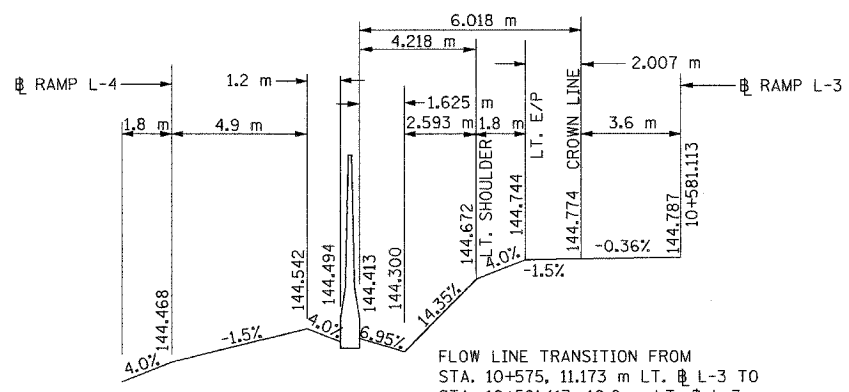
SECTION C-C



SECTION E-E



SECTION B-B



SECTION D-D

FLOW LINE TRANSITION FROM
STA. 10+575, 11.173 m LT. @ L-3 TO
STA. 10+581.113, 10.0 m LT. @ L-3

ALL DIMENSIONS ARE IN METERS (m) EXCEPT AS NOTED

SHEET 3 OF 3

<p>DAILY & ASSOCIATES, ENGINEERS, INC. PEORIA, ILLINOIS</p>	REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
	NAME	DATE	
DATE 01/07/2005		DRAWN BY	GORE AREA DETAILS RAMP L-3/L-4
		CHECKED BY	

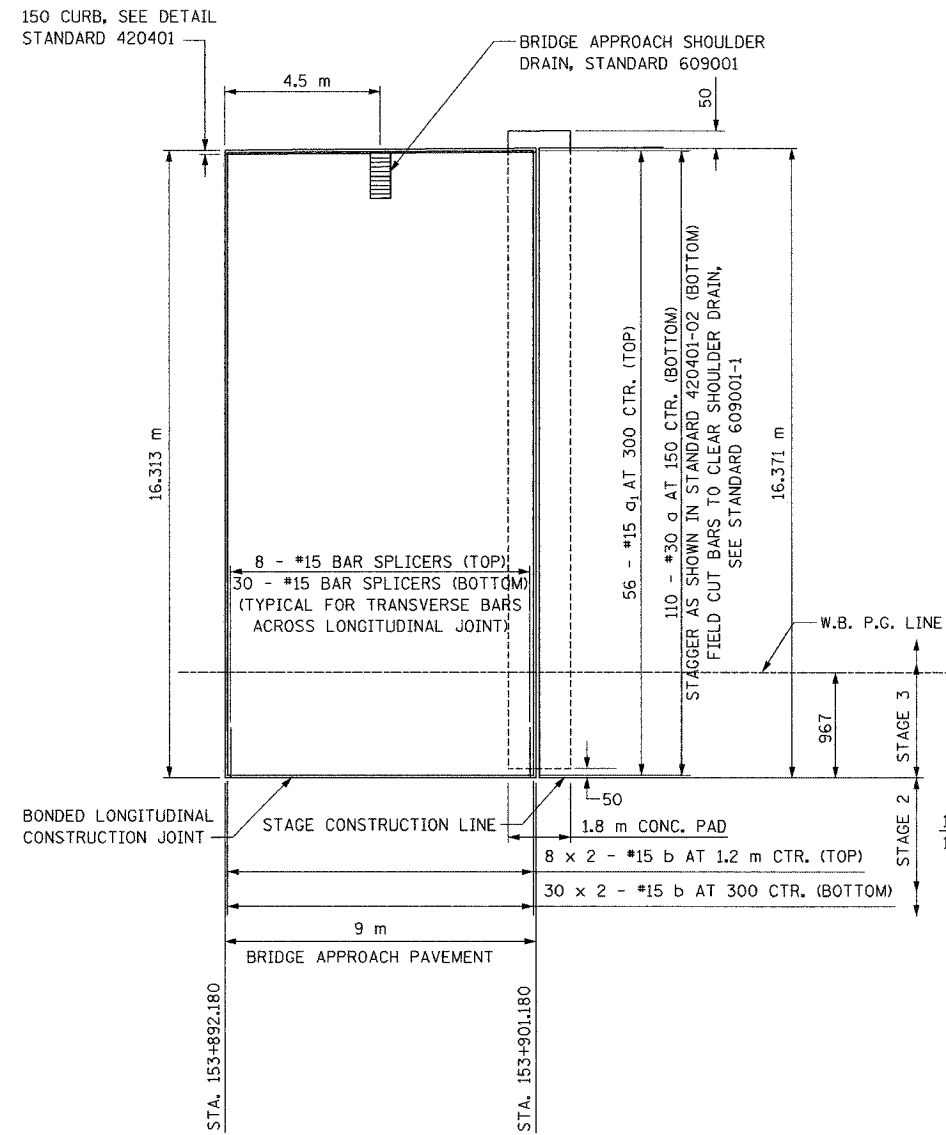
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CONTRACT 11: PLAN SET 2 OF 4 FINAL PLANS 01/05

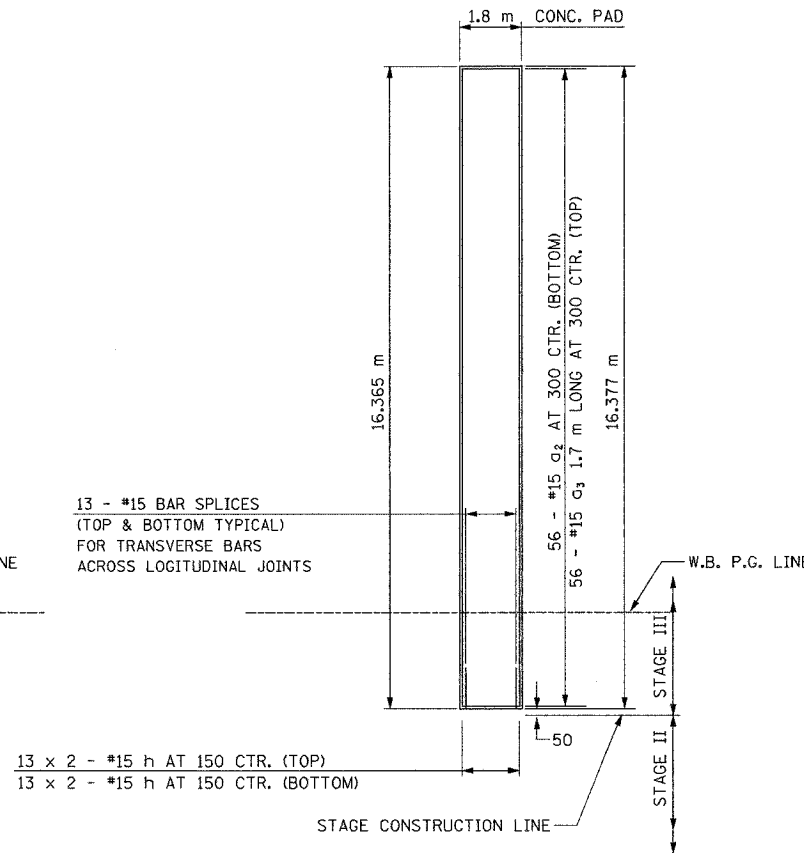
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	•	TAZEWELL	1366	1043
STA.	TO STA.			
FED. ROAD DIST. NO. 4	ILLINOIS		FED. AID PROJECT	

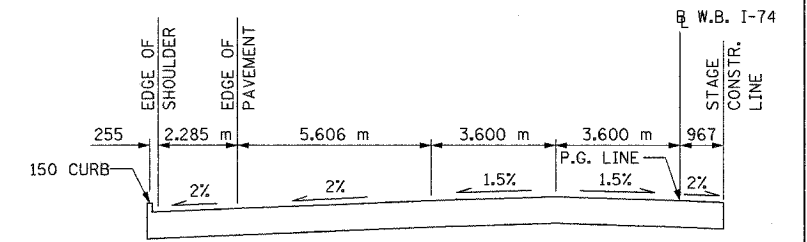
• (90-11)R-2:90(13,14,14-1)R-1



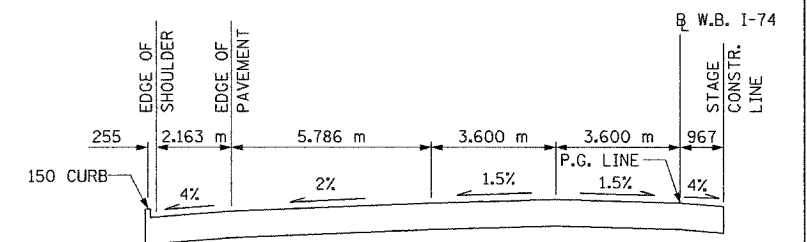
BRIDGE APPROACH PAVEMENT (SPECIAL) DETAIL
(MODIFIED FOR STAGE CONSTRUCTION)



CONCRETE SLEEPER PAD DETAIL
(MODIFIED FOR STAGE CONSTRUCTION)



BRIDGE APPROACH PAVEMENT SLOPES AT STA. 153+892.180



BRIDGE APPROACH PAVEMENT SLOPES AT STA. 153+901.180

BILL OF MATERIAL

BARS REQUIRED FOR BRIDGE APPROACH PAVEMENT SPECIAL AND CONCRETE SLEEPER PAD

Bar	No.	Size	Length (m)	Shape
a	110	#30	**	U
a ₁	56	#15	8.85 m	U
a ₂	56	#15	**	U
a ₃	56	#15	1.70 m	U
b	60	#15	8.51 m	—
b ₁	16	#15	8.51 m	—
h	52	#15	8.51 m	—
* #15 Bar Splacers Each				64

**SEE STANDARD 420401 FOR DIMENSIONS OF a & a₂ BARS.

SEE SUMMARY OF QUANTITIES FOR DOWEL BAR QUANTITIES.

BARS INDICATED THUS 8 x 2 - #15 ETC. INDICATES 8 LINES OF BARS WITH 2 LENGTHS PER LINE

#15 BAR SPLICE LENGTH - 740 mm MIN.
• FIELD VERIFY REQUIRED MATE

*THESE BRIDGE APPROACH PAVEMENT DETAILS ARE TO BE USED IN CONJUNCTION WITH STANDARD 420401 AND PROJECT STANDARD 420401-I74. THE COST FOR ALL EQUIPMENT, LABOR AND MATERIALS TO CONSTRUCT THE BRIDGE APPROACH PAVEMENT AND CONCRETE SLEEPER PAD, AS DETAILED IN THE PLANS AND STANDARD 420401, AND PROJECT STANDARD 420401-I74 AS DIRECTED BY THE ENGINEER, SHALL BE INCLUDED IN THE COST FOR "BRIDGE APPROACH PAVEMENT SPECIAL".

NOTE: ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE NOTED.

REVISIONS	NAME		DATE

DA
DAILY & ASSOCIATES,
ENGINEERS, INC.
PEORIA, ILLINOIS

SHEET 1 OF 1

ALL STATIONS INDICATED ARE WESTBOUND STATIONING UNLESS OTHERWISE NOTED.

ILLINOIS DEPARTMENT OF TRANSPORTATION
BRIDGE APPROACH PAVEMENT
(SPECIAL) DETAIL

I-74 BRIDGE OVER WASHINGTON STREET
S.N. 090-0163 (WB)

NOT TO SCALE
DATE 01/07/2005
DRAWN BY
CHECKED BY

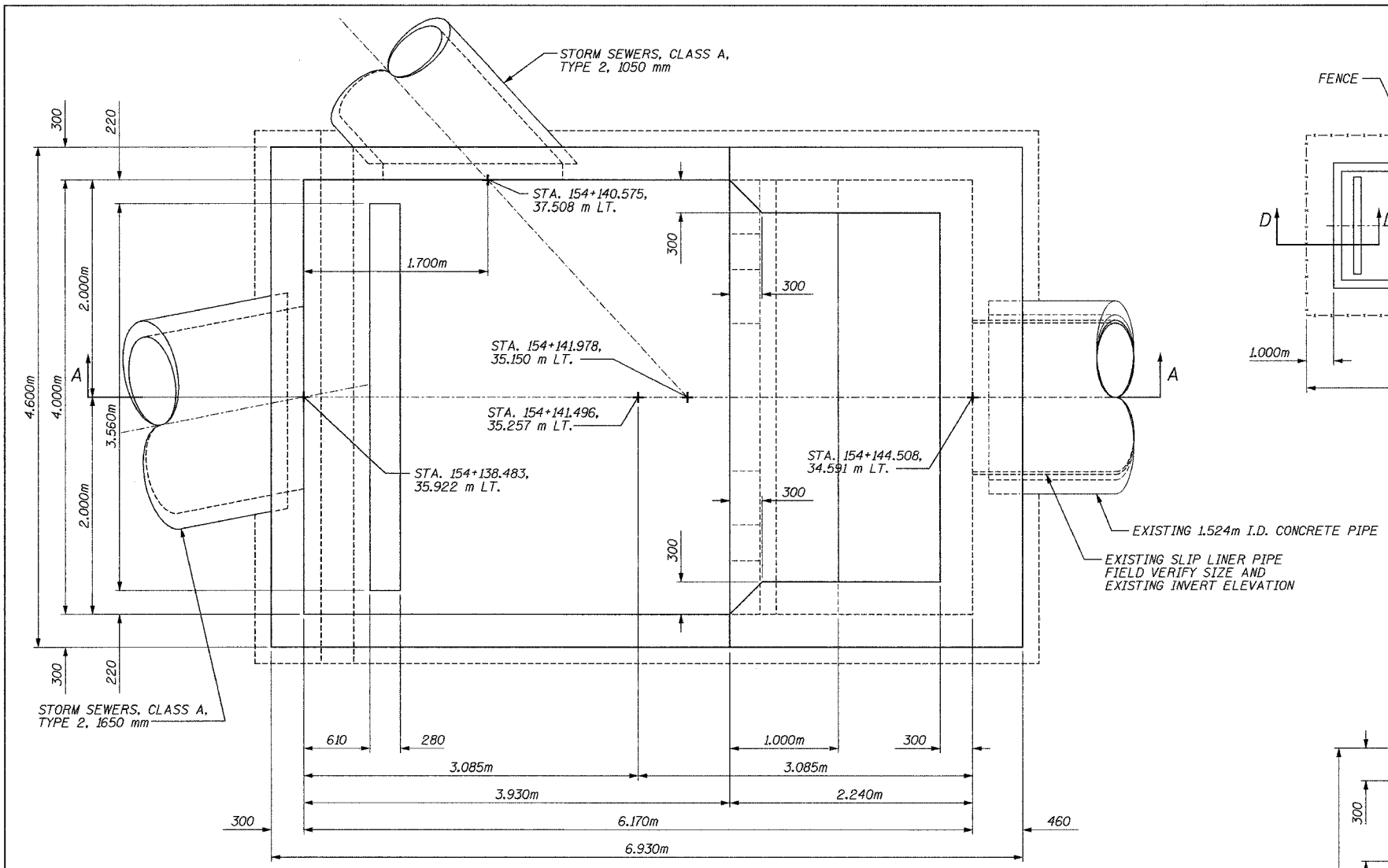
DESIGNED	SBM
CHECKED	SBM
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CHECKED	JFS

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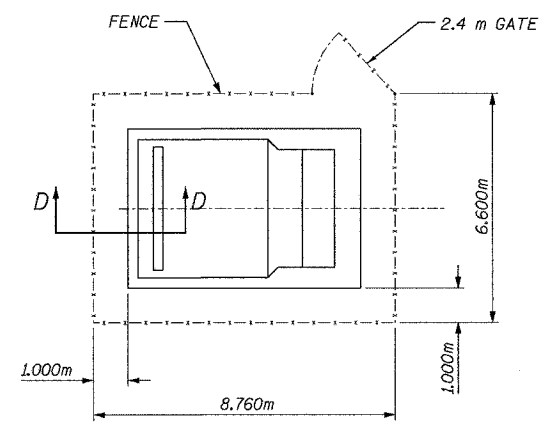
CONTRACT 11: PLAN SET 2 OF 4 FINAL PLANS 01/05

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	•	TAZEWELL	1366	1044
STA.	TO STA.			
FED. ROAD DIST. NO. 4		ILLINOIS FED. AID PROJECT		

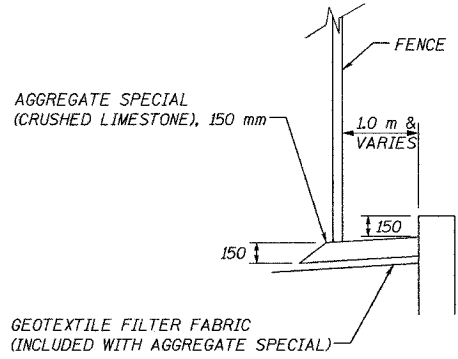
• (90-11)R-2;90(13,14,14-1)R-1



PLAN

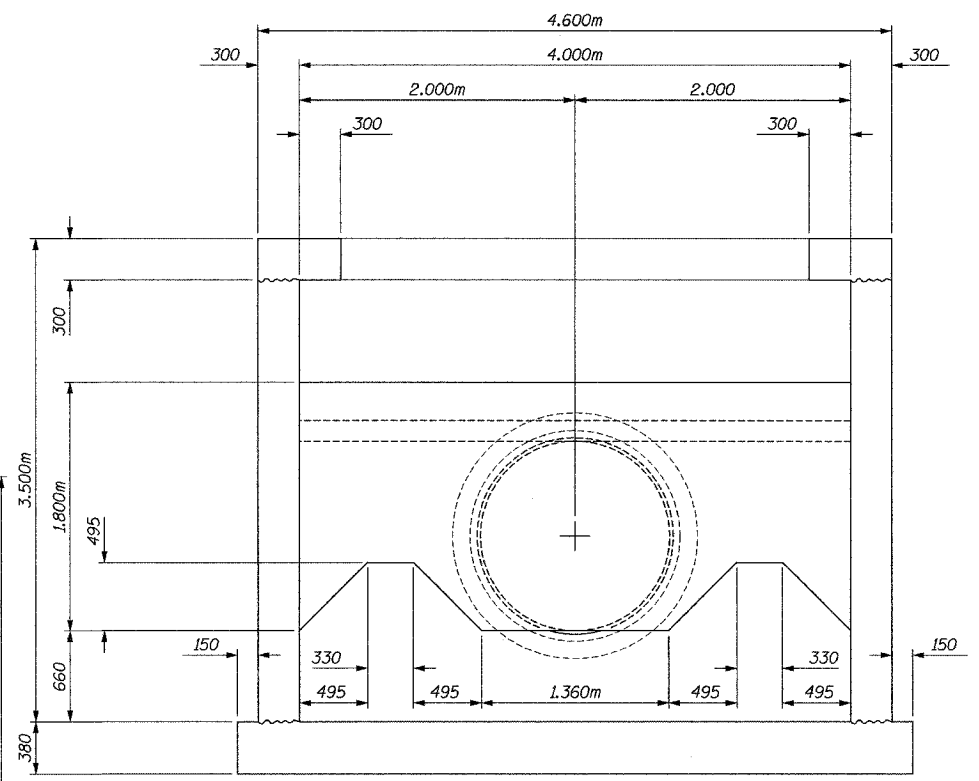


PLAN

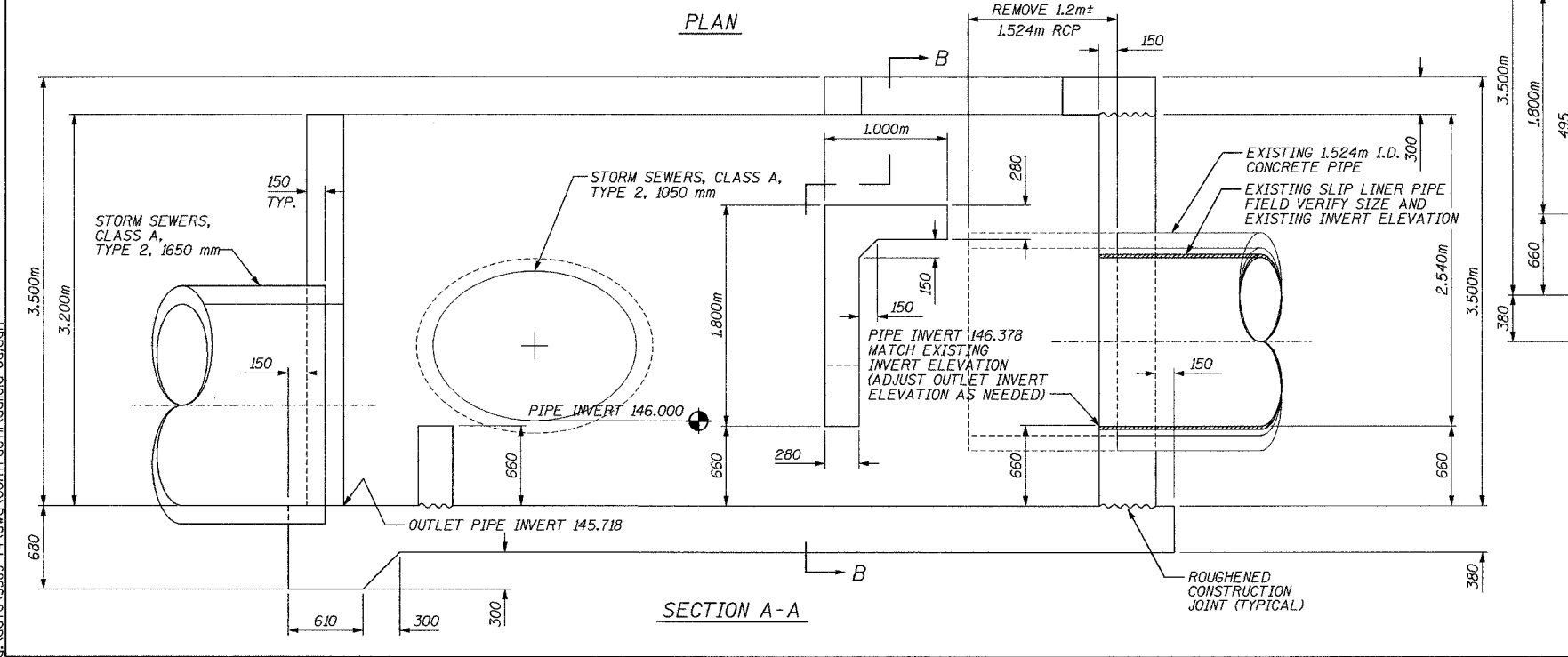


SECTION D-D

CHAIN LINK FENCE DETAIL
SEE STANDARD 664001



SECTION B-B



SECTION A-A

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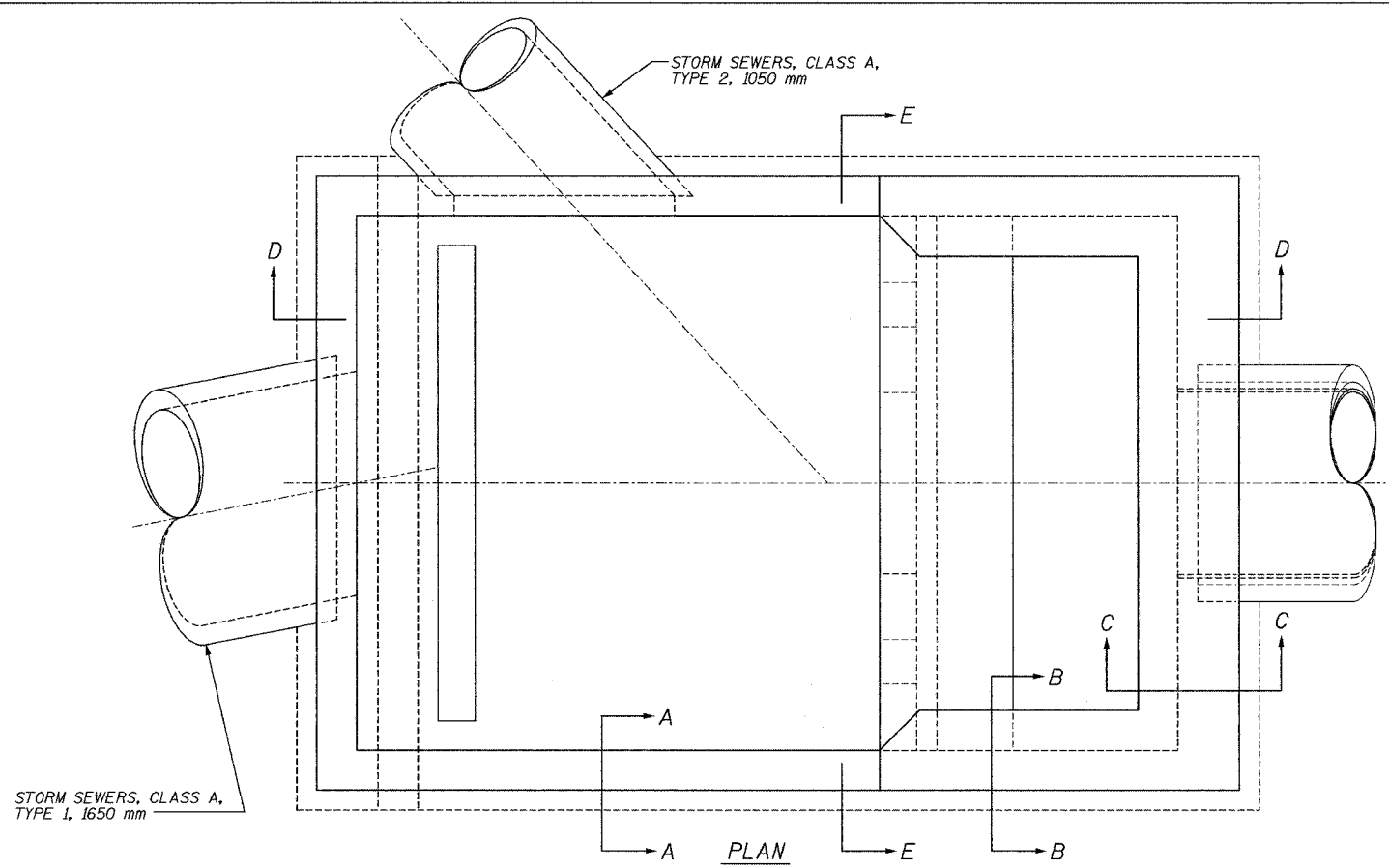
REVISIONS	
NAME	DATE

SHEET 1 OF 12
ILLINOIS DEPARTMENT OF TRANSPORTATION
DRAINAGE DETAIL
STORM SEWER JUNCTION VAULT
STA. 154+141.496
(SHEET 1 OF 3)
DRAWN BY
DATE 01/07/2005
CHECKED BY

CONTRACT 11: PLAN SET 2 OF 4 FINAL PLANS 01/05

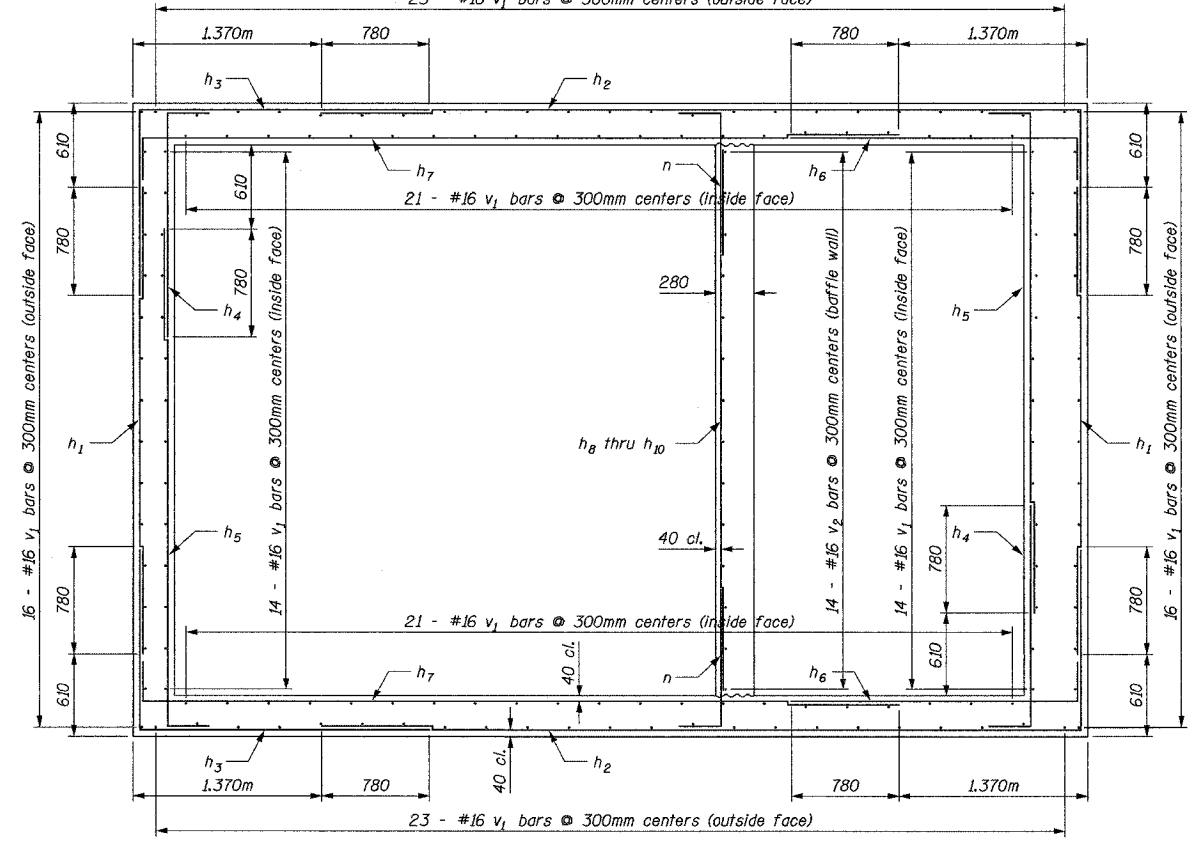
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74		TAZEWELL	1366	1045
STA.	TO STA.			
FED. ROAD DIST. NO. 4	ILLINOIS		FED. AID PROJECT	

(90-11)R-2,90(13,14,14-1)R-1

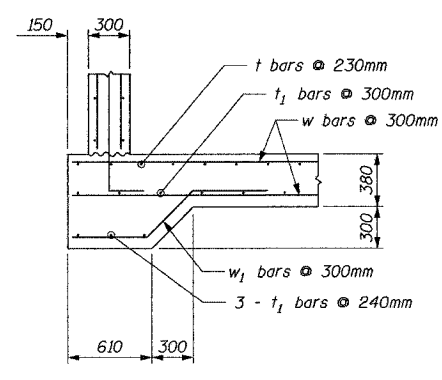


STORM SEWERS, CLASS A, TYPE 1, 1650 mm

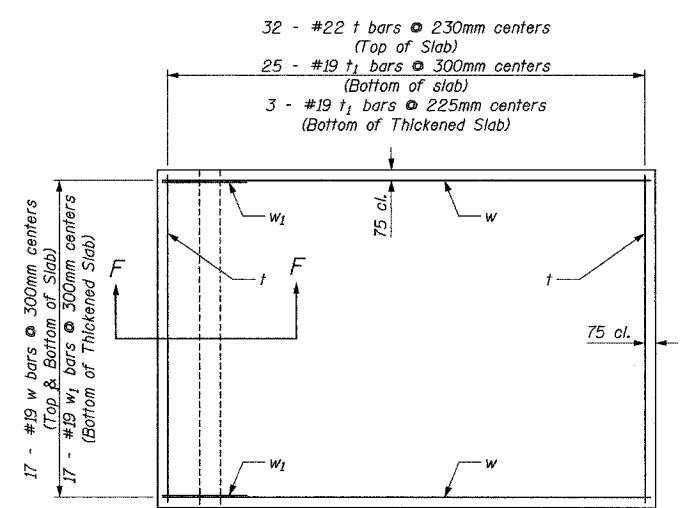
23 - #16 v₁ bars @ 300mm centers (outside face)



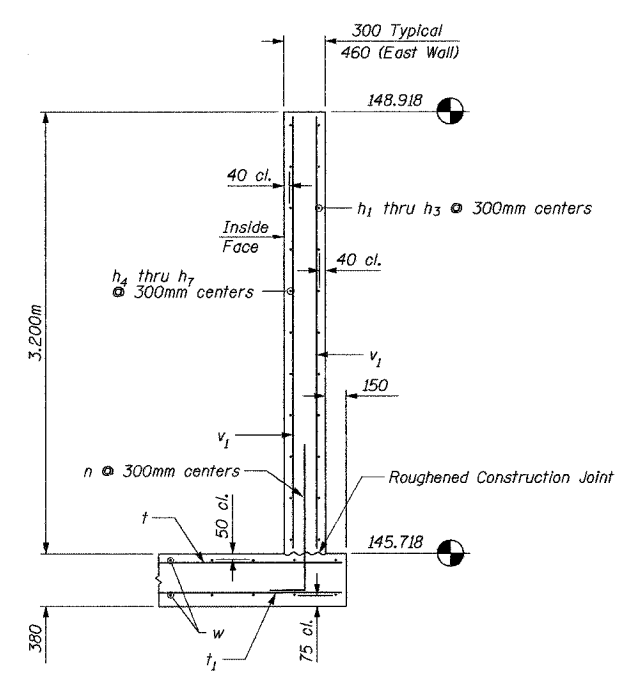
PLAN - WALL



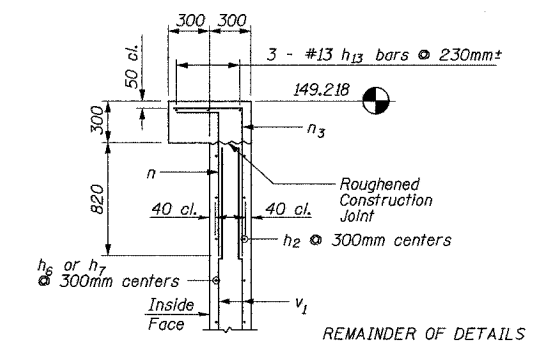
SECTION F-F



PLAN - SLAB

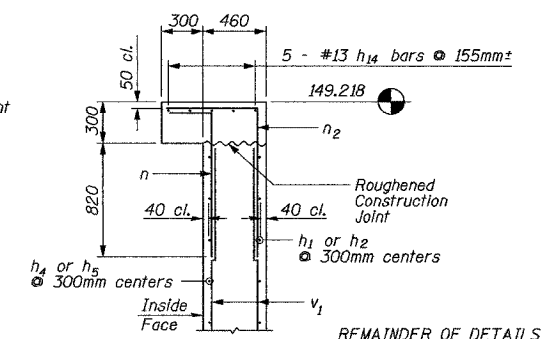


SECTION A-A



SECTION B-B

REMAINDER OF DETAILS SAME AS SECTION A-A



SECTION C-C

REMAINDER OF DETAILS SIMILAR TO SECTION A-A

All dimensions are in millimeters (mm) except as noted. Field cut bars at conflicts with pipe penetrations.

SHEET 2 OF 12

D&A
DAILY & ASSOCIATES, ENGINEERS, INC.
PEORIA, ILLINOIS

REVISIONS	
NAME	DATE

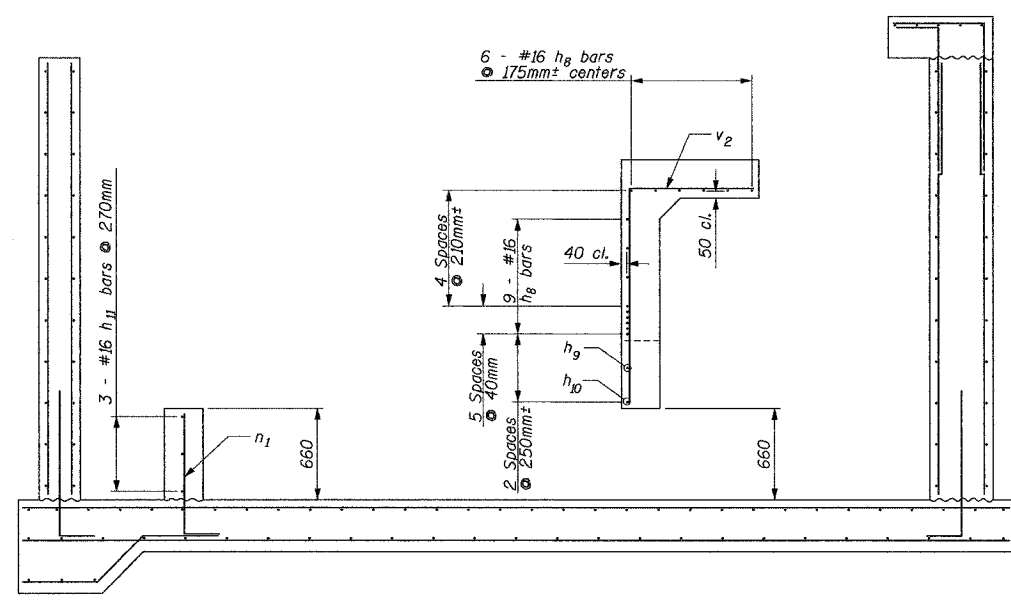
ILLINOIS DEPARTMENT OF TRANSPORTATION
DRAINAGE DETAIL
STORM SEWER JUNCTION VAULT
STA. 154+141.496
(SHEET 2 OF 3)
DRAWN BY
DATE 01/07/2005
CHECKED BY

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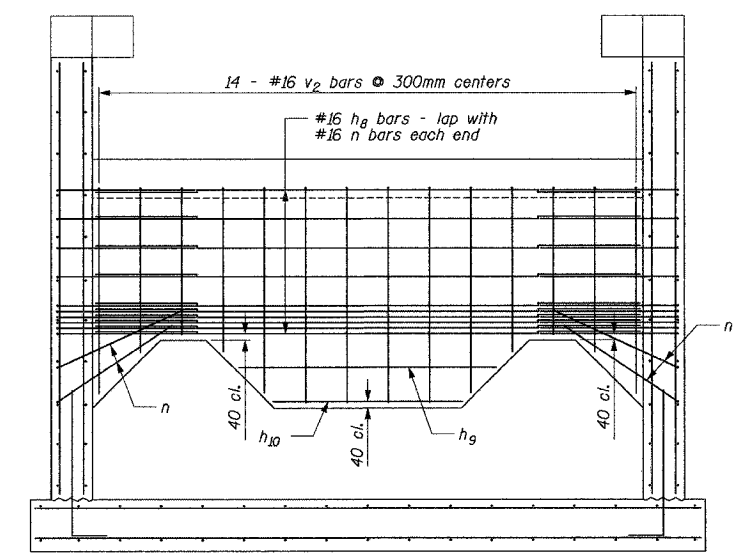
CONTRACT 11: PLAN SET 2 OF 4 FINAL PLANS 01/05

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	*	TAZEWELL	366	1046
STA.	TO STA.			
FED. ROAD DIST. NO. 4	ILLINOIS	FED. AID PROJECT		

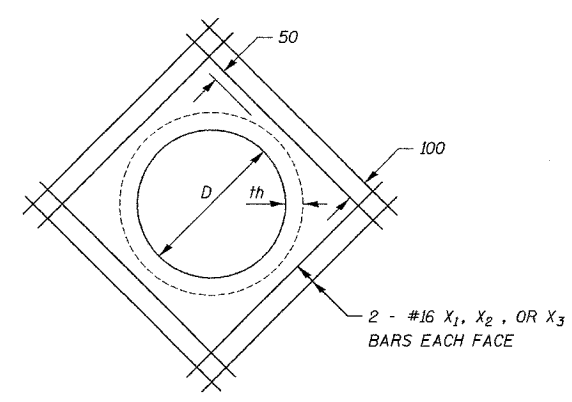
• (90-11)R-2;90(13,14,14-1)R-1



SECTION D-D



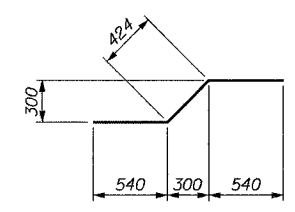
SECTION E-E



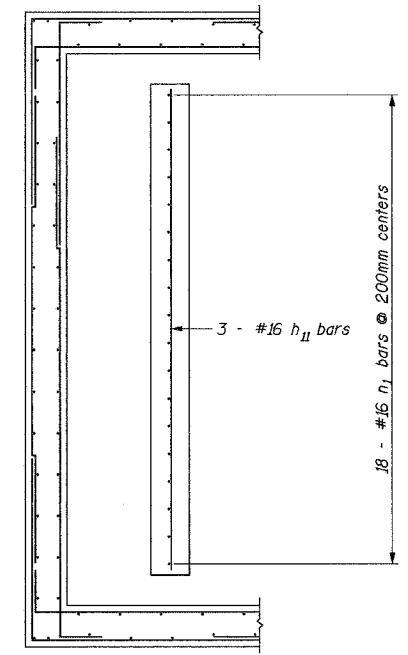
PIPE PENETRATION DETAIL

BARS MAY BE TRIMMED IF NEEDED AT WALL CORNERS

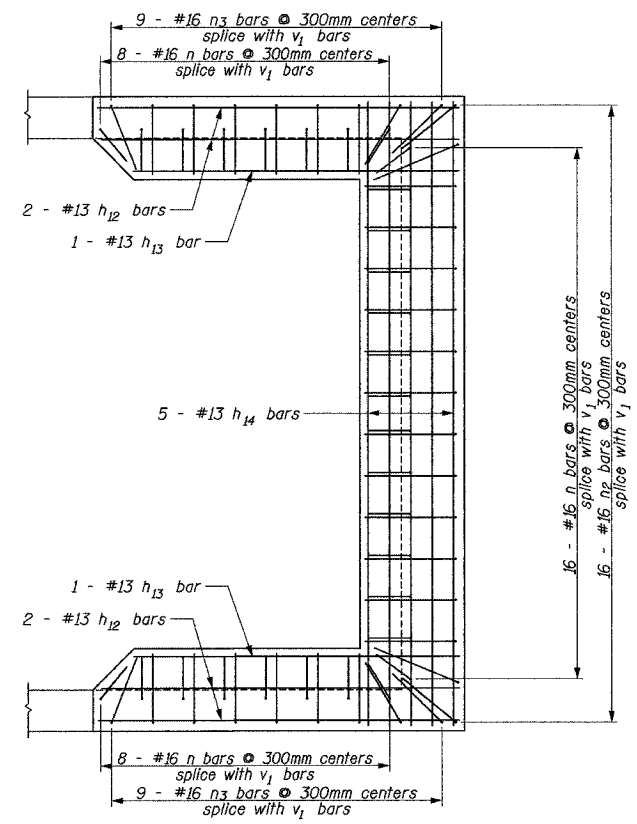
X1 bars at 1650 mm pipe
X2 bars at 1200 mm pipe
X3 bars at 1524 mm pipe



w1 BAR



WALL DETAIL



WALL DETAIL

BILL OF MATERIAL

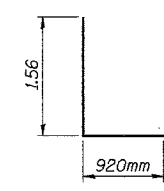
Bar	No.	Size	Length (m)	Shape
h1	22	#16	3.38	
h2	22	#16	6.87	
h3	22	#16	3.46	
h4	22	#16	1.95	
h5	22	#16	3.95	
h6	22	#16	2.41	
h7	22	#16	5.04	
h8	15	#16	3.29	
h9	1	#16	1.86	
h10	1	#16	1.37	
h11	3	#16	3.48	
h12	4	#13	2.62	
h13	2	#13	2.36	
h14	5	#13	4.52	
v1	148	#16	3.12	
v2	14	#16	2.48	
n	138	#16	1.22	
n1	18	#16	1.23	
n2	16	#16	1.73	
n3	18	#16	1.57	
w	34	#19	7.15	
w1	17	#19	1.50	
t	32	#22	4.82	
t1	28	#19	4.82	
x1	16	#16	2.38	
x2	16	#16	1.85	
x3	16	#16	2.23	
Class SI Concrete			m ³	40.7
Reinforcement Bars			kg	3787
Aggregate Special			m ton	5.0
Chain Link Fence, 1.8 m			meter	28.3
Chain Link Gates, 1.8 x 2.4 Single			each	1

Bar	A (m)	B (m)
h2	1.35	5.52
h3	1.35	2.11
h4	300mm	1.65
h5	300mm	3.65
h6	300mm	2.11
h7	300mm	4.74

h2, h3, h4, h5, h6, h7 BARS

Bar	A (m)	B (m)
n	300mm	915mm
n1	300mm	925mm
n2	664mm	1.07
n3	504mm	1.07

n, n1, n2, n3 BARS



v2 BAR

DA & A
DAILY & ASSOCIATES,
ENGINEERS, INC.
PEORIA, ILLINOIS

SHEET 3 OF 12

REVISIONS	
NAME	DATE

All dimensions are in millimeters (mm) except as noted.
Field cut bars at conflicts with pipe penetrations.

ILLINOIS DEPARTMENT OF TRANSPORTATION
DRAINAGE DETAIL
STORM SEWER JUNCTION VAULT
STA. 154+141.496
(SHEET 3 OF 3)
DRAWN BY
CHECKED BY
DATE 01/07/2005

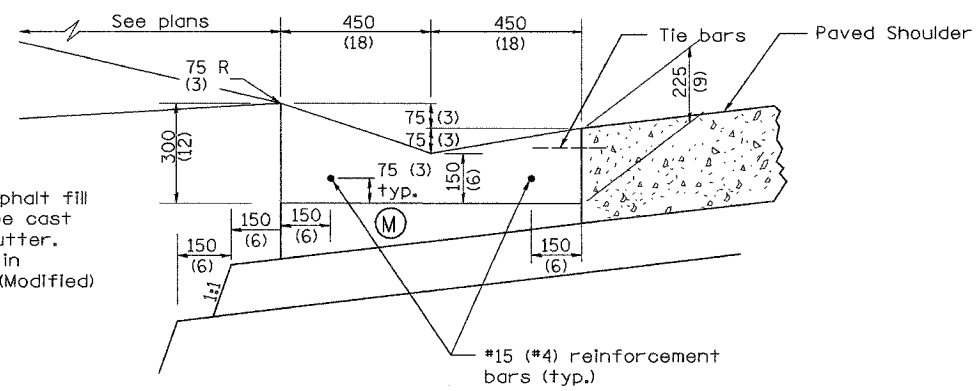
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CONTRACT 11: PLAN SET 2 OF 4 FINAL PLANS 01/05

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74		TAZEWELL	1366	1047
STA.	TO STA.			
FED. ROAD DIST. NO. 4	ILLINOIS FED. AID PROJECT			

• (90-11)R-2;90(13,14,14-1)R-1

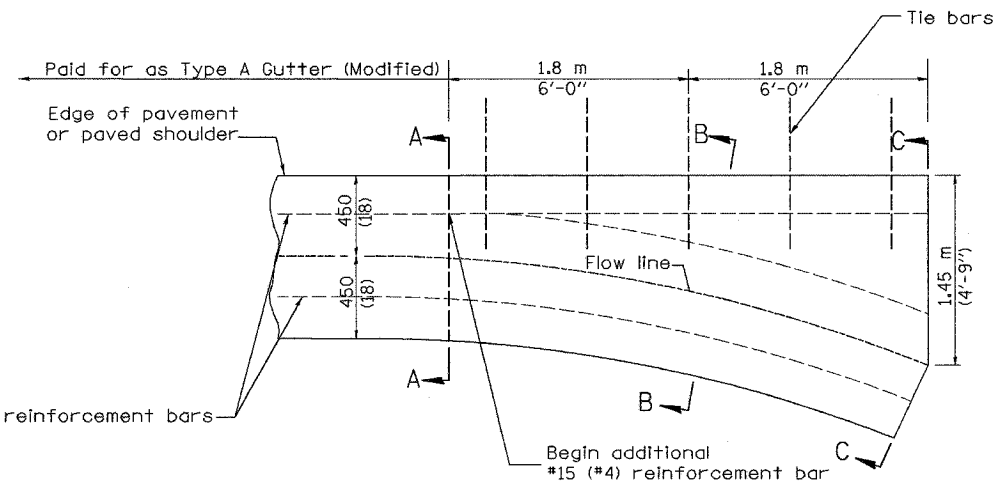
(M) Concrete or asphalt fill
Concrete may be cast
Integral with gutter.
Cost incidental in
Type A Gutter (Modified)



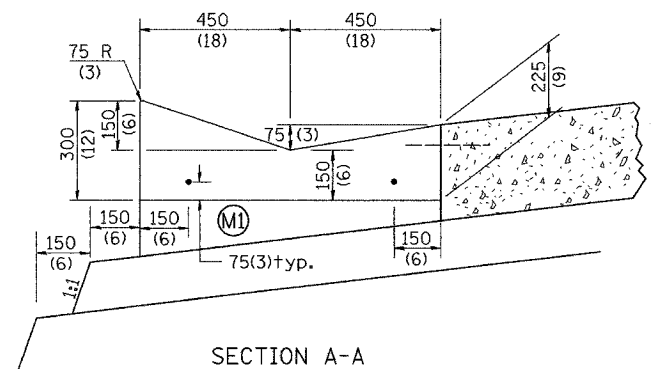
SHOULDER EDGE GUTTER

Refer to "Typical Sections"
for pavement materials

TYPE A GUTTER (MODIFIED)

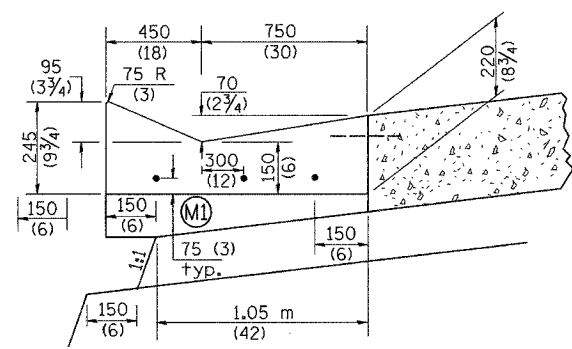


PLAN



SECTION A-A

Refer to "Typical Sections"
for pavement materials



SECTION B-B

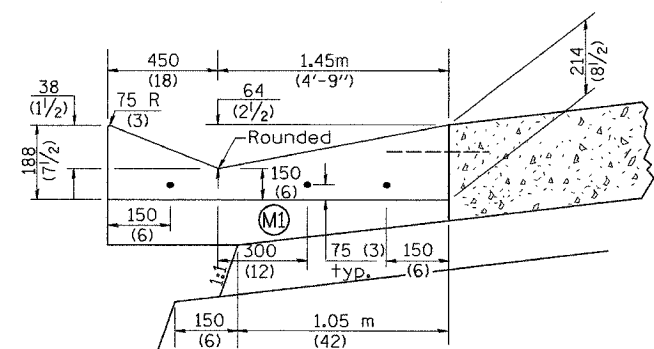
Refer to "Typical Sections"
for pavement materials

QUANTITY
Section A-A to C-C
1.307 m³ (1.709 cu. yd.) concrete.
Paid for as Class SI Concrete (Inlet)

(M1) Concrete fill may be cast
Integral with gutter.
Cost included in the
concrete volume.
"Section A-A to C-C"

GENERAL NOTES:

1. TYPE A GUTTER (MODIFIED) shall conform to the applicable portions of Section 606.
2. Tie bars shall be No. 20 (No. 6) at 600 mm (24") centers unless otherwise shown.
3. Gutter, gutter inlets, gutter outlets, and gutter entrances shall be tied to rigid pavement in accordance with details shown on Standard 420001.
4. Joints shall be constructed in accordance with Article 606.06.
5. Welded wire fabric shall conform to Article 1006.10(c)(1), and shall not be less than 2.83 kg/m² (58 lbs/100 sq.ft.).
6. Detail as shown on District CADD Standard 606106-D4 except as shown herein.



SECTION C-C

Refer to "Typical Sections"
for pavement materials

INLET

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

SHEET 4 OF 12

ALL STATIONS INDICATED ARE WESTBOUND
STATIONING UNLESS OTHERWISE NOTED.

DATE	REVISIONS	BY
1-1-97	RENUM. A-1.02, NEW REVISION BOX, ELIMINATED EXPANSION ANCHOR TIES.	T.P.



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
DRAINAGE DETAIL
TYPE A GUTTER (MODIFIED)
(INLET, OUTLET & INLETS, SPECIAL)
SHEET 1 OF 3
SCALE: NOT DRAWN TO SCALE
DATE 01/07/2005
DRAWN BY CADD
CHECKED BY

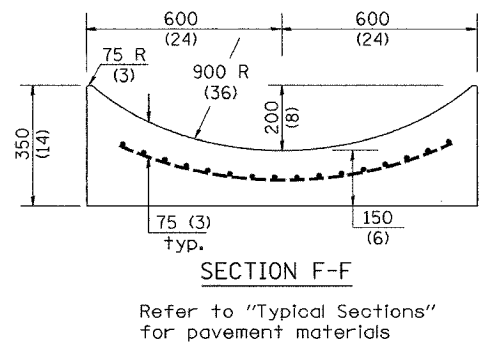
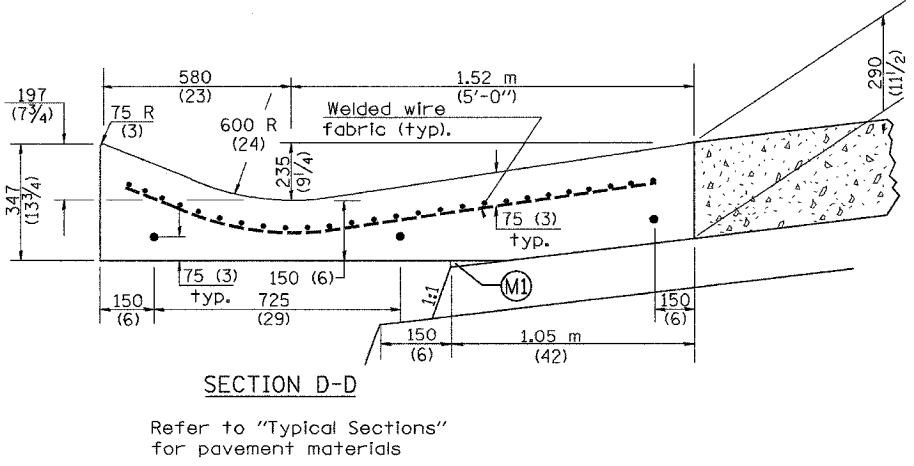
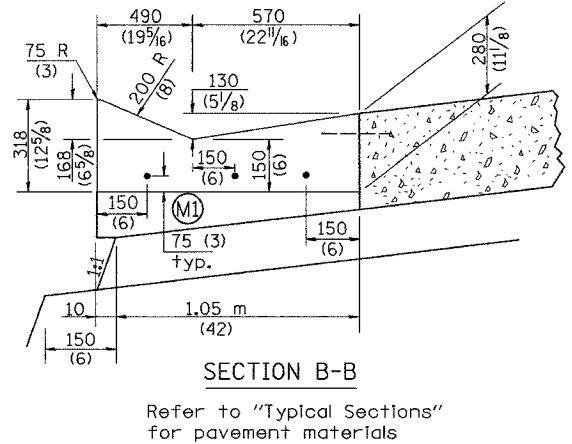
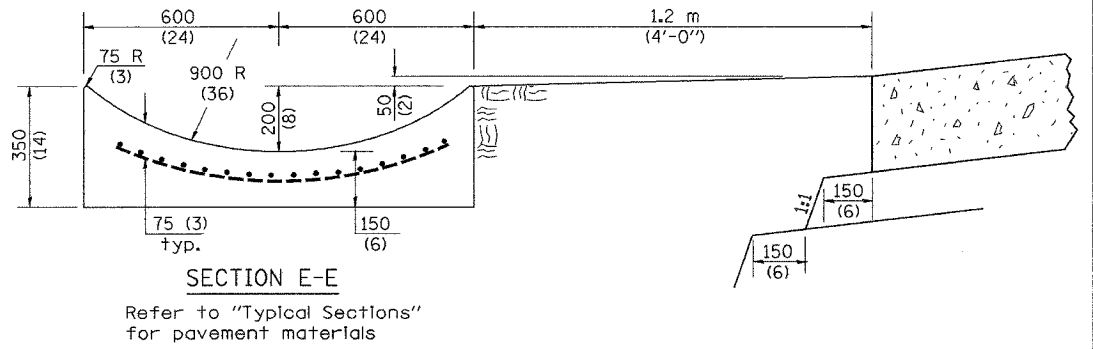
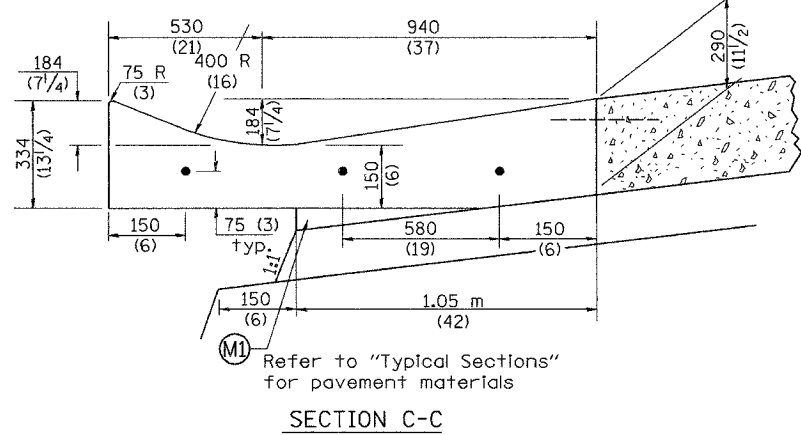
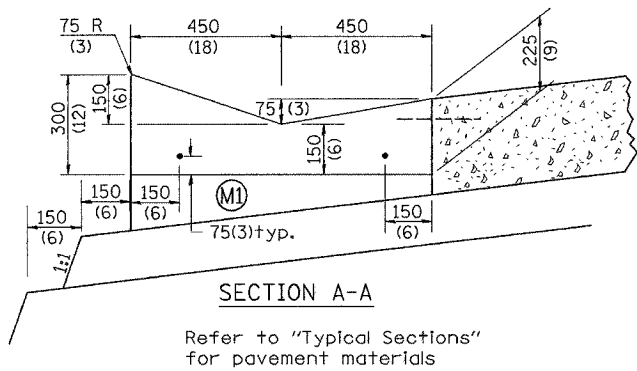
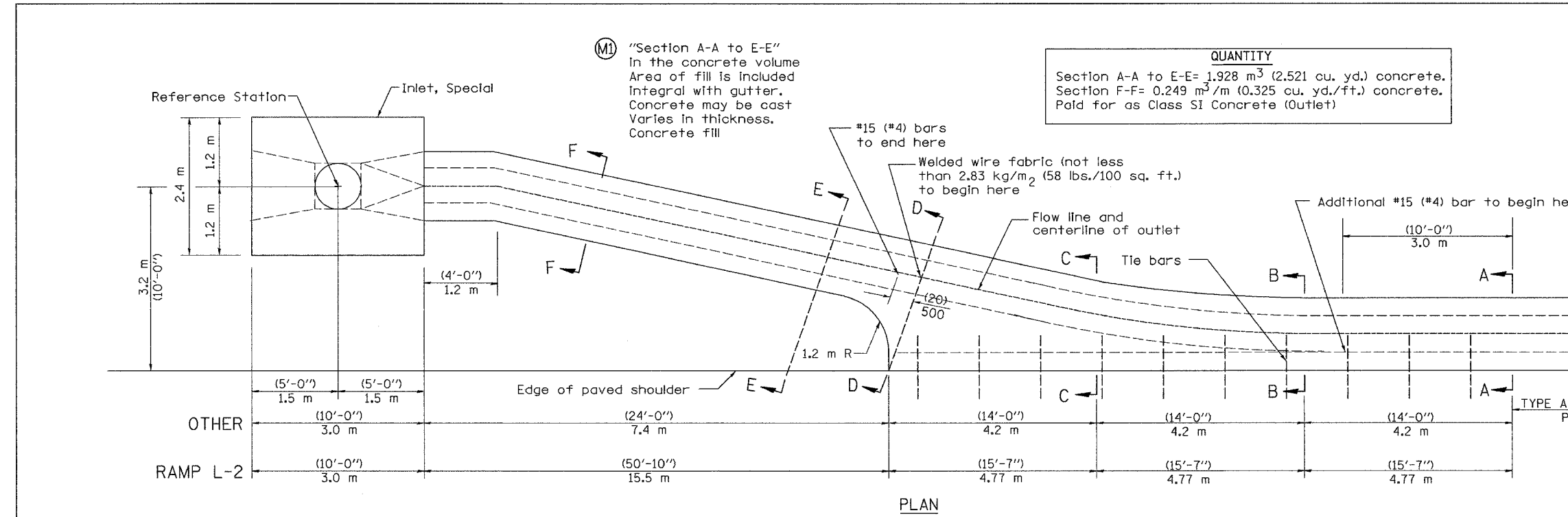
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DGN-ONLY

CONTRACT 11: PLAN SET 2 OF 4 FINAL PLANS 01/05

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	*	TAZEWELL	1366	1048
STA.	TO STA.			
FED. ROAD DIST. NO. 4	ILLINOIS FED. AID PROJECT			

• (90-11)R-2(90)13,14,14-1)R-1



OUTLET

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

DA & A
 DAILY & ASSOCIATES, ENGINEERS, INC.
 PEORIA, ILLINOIS

REVISIONS	
NAME	DATE

ALL STATIONS INDICATED ARE WESTBOUND STATIONING UNLESS OTHERWISE NOTED.

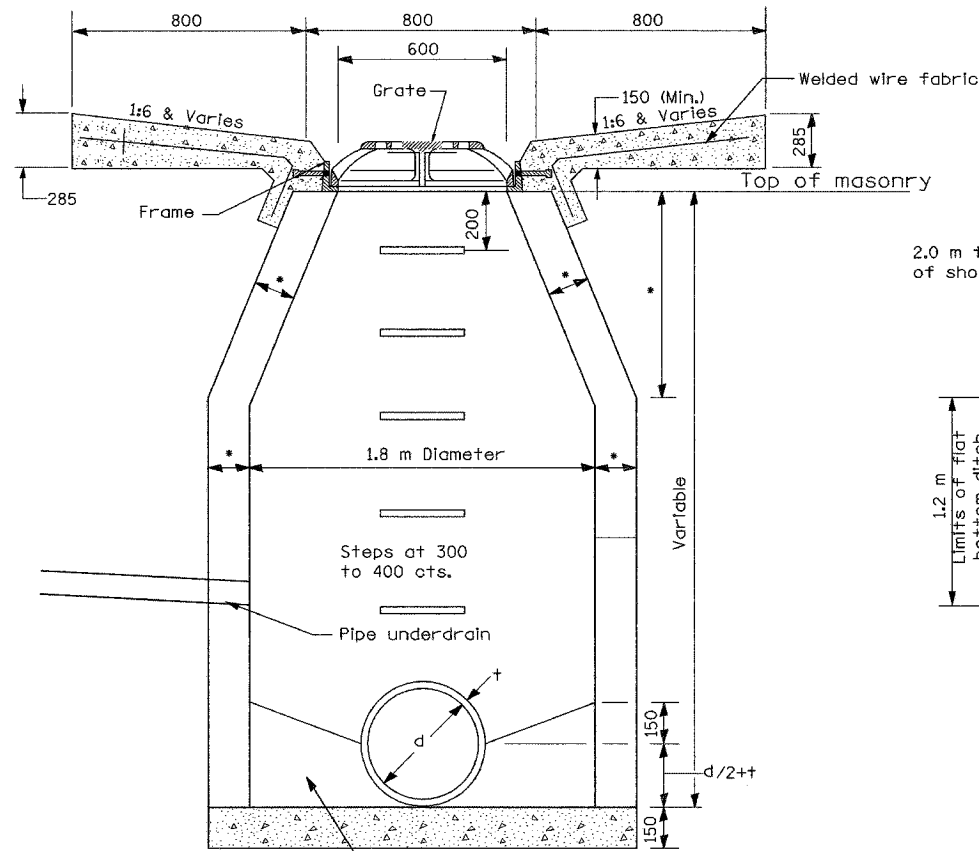
ILLINOIS DEPARTMENT OF TRANSPORTATION
 DRAINAGE DETAIL
 TYPE A GUTTER (MODIFIED)
 (INLET, OUTLET & INLETS, SPECIAL)
 SHEET 2 OF 3
 DRAWN BY
 CHECKED BY
 DATE 01/07/2005

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CONTRACT 11: PLAN SET 2 OF 4 FINAL PLANS 01/05

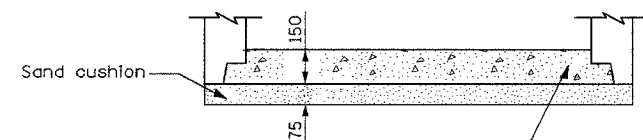
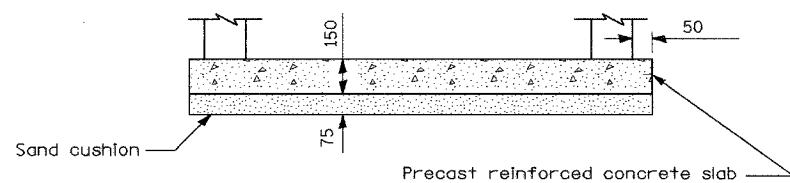
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	*	TAZEWELL	1266	1049
STA.	TO STA.			
FED. ROAD DIST. NO. 4	ILLINOIS		FED. AID PROJECT	

• 90-111R-2:90(13,14,14-1R-1



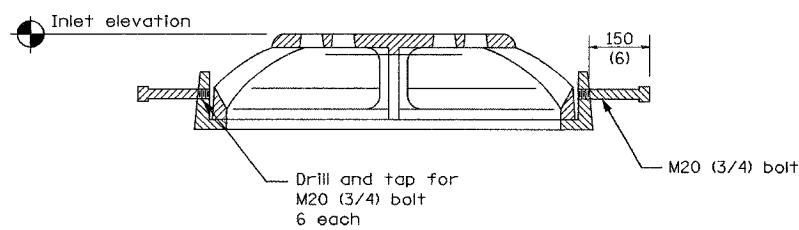
SECTION B-B

* See Standard 602401 for additional information



Prefabricated concrete slab, when the precast reinforced concrete section alternate is used.

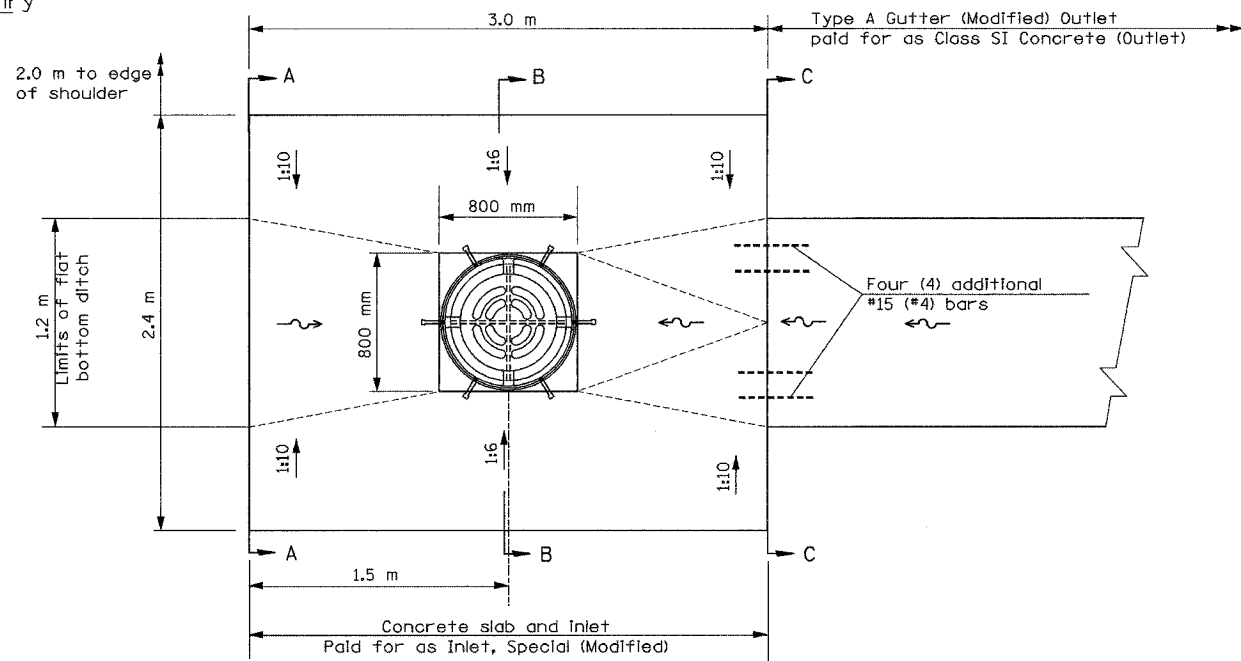
ALTERNATE BOTTOM SLAB



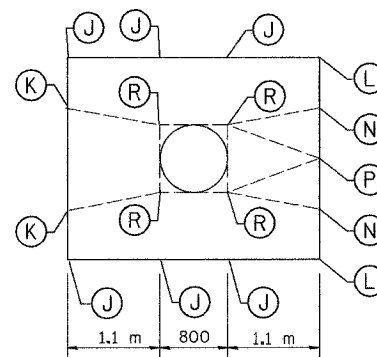
INLETS, SPECIAL GRATE DETAIL

See Standard 604101

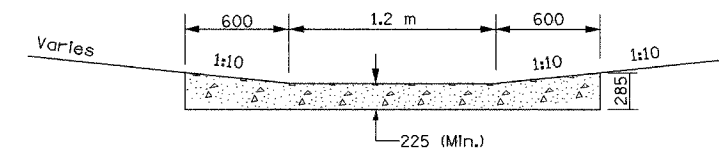
QUANTITY
Section A-A to C-C= 1.593 m³ (2.083 cu. yd.) concrete.
Concrete Included in the cost of Inlet, Special



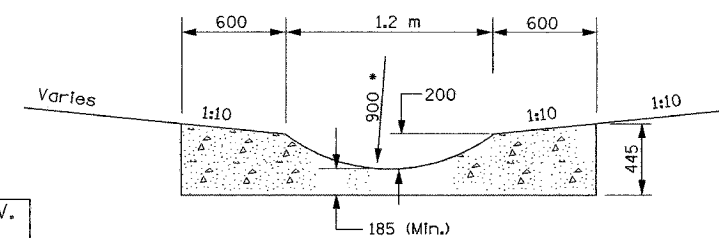
INLETS, SPECIAL PLAN



STRUCTURE NUMBER	STATION	OFFSET	INLET ELEV.	ELEV. J	ELEV. K	ELEV. L	ELEV. N	ELEV. P	ELEV. R
604	154+362.000	21.382 LT.	160.573	160.706	160.646	160.868	160.808	160.573	160.573



SECTION A-A



SECTION C-C

* Radius and width of 900 MM radius channel transition from SECTION C-C to SECTION B-B

SHEET 6 OF 12

ALL STATIONS INDICATED ARE WESTBOUND STATIONING UNLESS OTHERWISE NOTED.

D&A
DAILY & ASSOCIATES,
ENGINEERS, INC.
PEORIA, ILLINOIS

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
DRAINAGE DETAIL
TYPE A GUTTER (MODIFIED)
(INLET, OUTLET &
INLETS, SPECIAL)

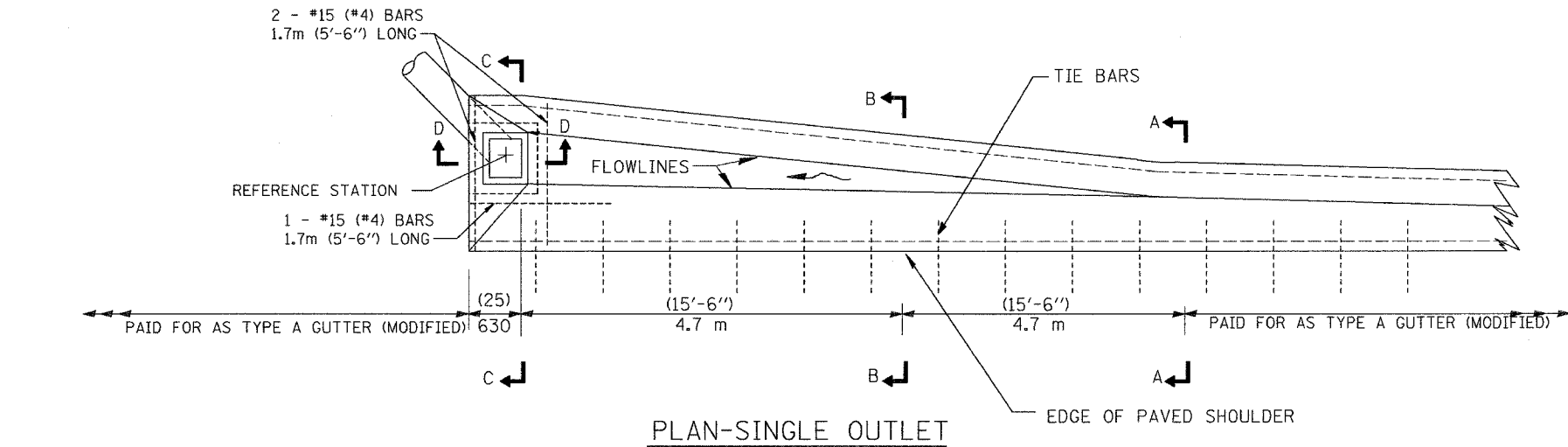
DATE 01/07/2005
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CHECKED BY

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CONTRACT 11: PLAN SET 2 OF 4 FINAL PLANS 01/05

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
T4	*	TAZEWELL	1366	1350
STA.	TO STA.			
FED. ROAD DIST. NO. 4		ILLINOIS FED. AID PROJECT		

• (90-11)R-2:90(13,14,14-1)R-1



QUANTITIES

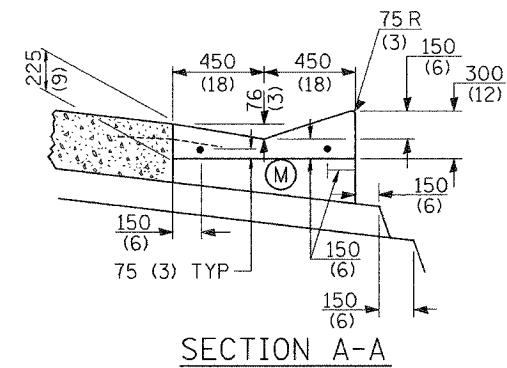
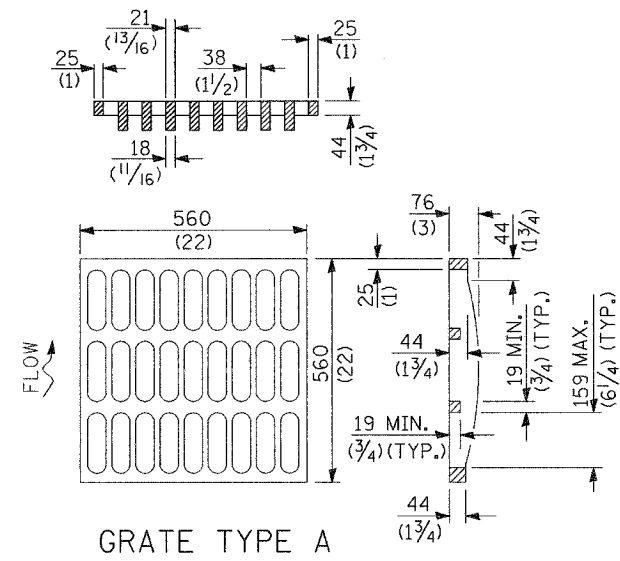
MATERIAL	SINGLE
CONCRETE - m ³ (cu.yd.)	3.933 (5.144)
CAST IRON GRATE - Ea. 57 kg (125 lbs.)	1
PIPE DRAIN - DIA. mm (in.)	375 (15)
PAY ITEMS	
GRATES, TYPE A	1 EACH
PIPE DRAINS 375 mm	2.1 M
CLASS SI CONCRETE (OUTLET)	2.677 M ³

GENERAL NOTES

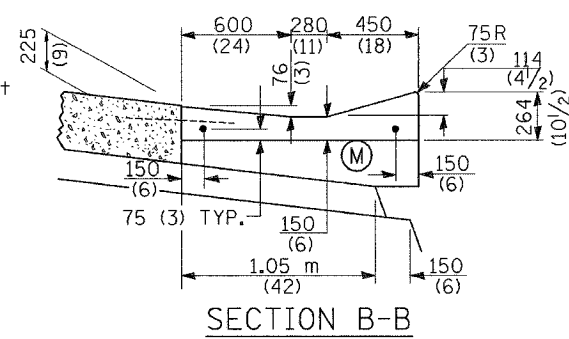
The gutter outlet shall be tied to the pavement in accordance with details for longitudinal construction joint shown on Standard 420001.

Tie bars shall be No. 20 (No. 6) at 600 mm (24") centers unless otherwise shown.

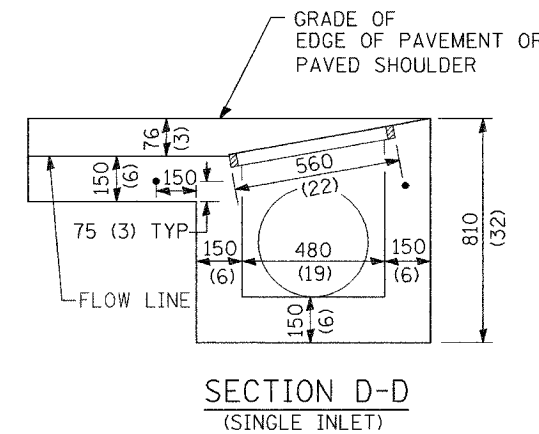
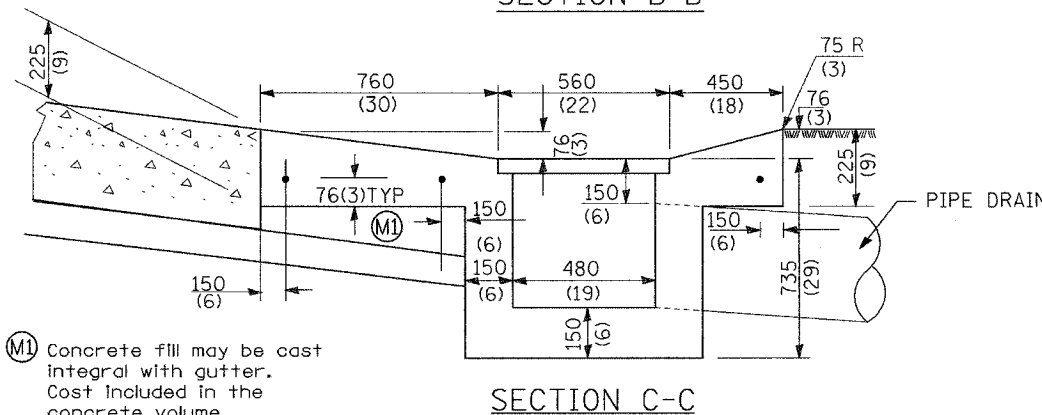
Detail as shown on District CADD Standard 606106-D4 except as shown herein.



(M) Concrete fill may be cast integral with gutter. Cost incidental in Type A Gutter (Modified)



(M1) Concrete fill may be cast integral with gutter. Cost included in the concrete volume. "Section A-A to C-C"



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

REVISIONS	
NAME	DATE

SHEET 7 OF 12

ALL STATIONS INDICATED ARE WESTBOUND STATIONING UNLESS OTHERWISE NOTED.

ILLINOIS DEPARTMENT OF TRANSPORTATION

**DRAINAGE DETAIL
OUTLET TYPE I (MODIFIED) FOR
TYPE A GUTTER (MODIFIED)**

DATE 01/07/2005

DRAWN BY _____
CHECKED BY _____

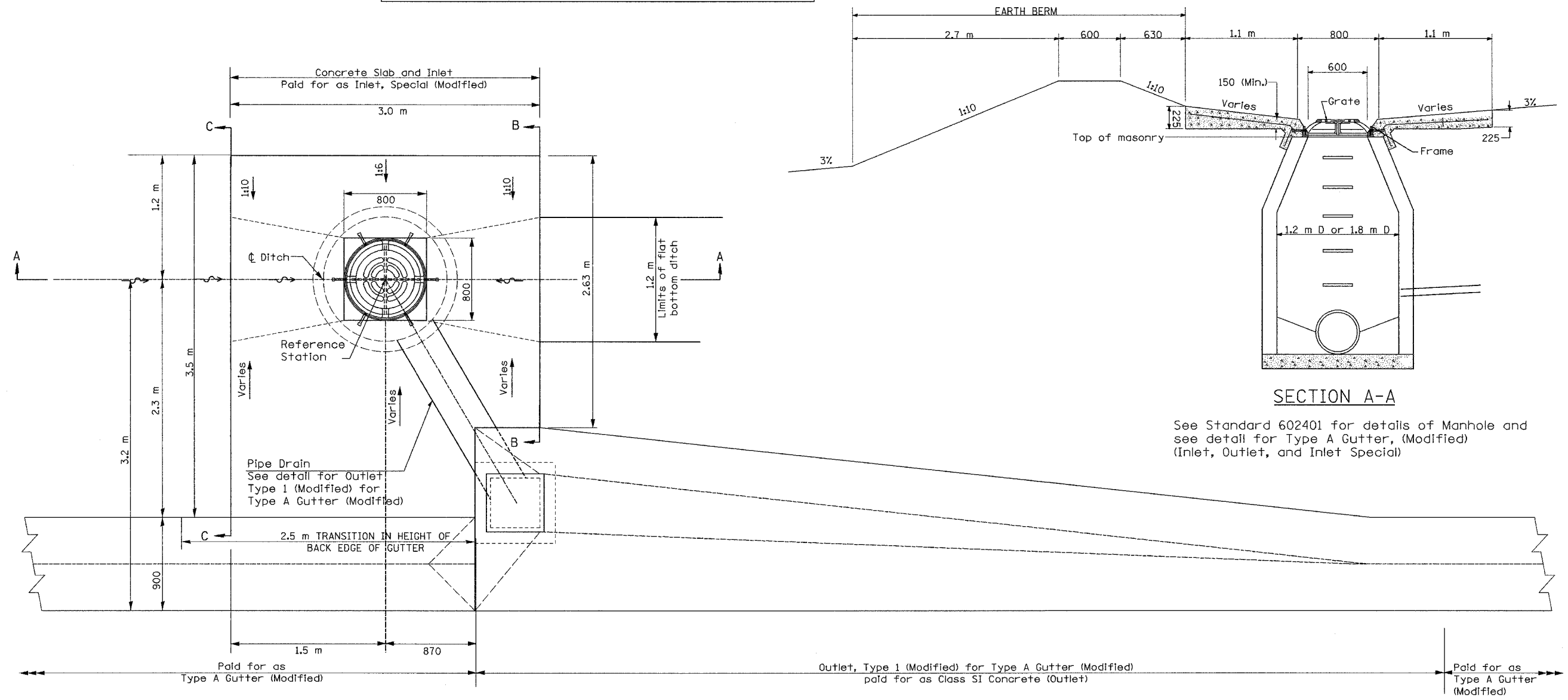
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DGN-ONLY

CONTRACT I: PLAN SET 2 OF 4 FINAL PLANS 01/05

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	*	TAZEWELL	1366	057
STA.	TO STA.			
FED. ROAD DIST. NO. 4	ILLINOIS		FED. AID PROJECT	

QUANTITY
 Section B-B to C-C= 2.117 m³ (2.769 cu. yd.) concrete.
 Concrete included in the cost of Inlet, Special (Modified)

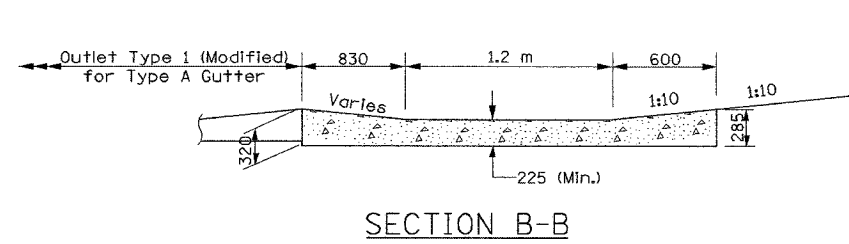


SECTION A-A

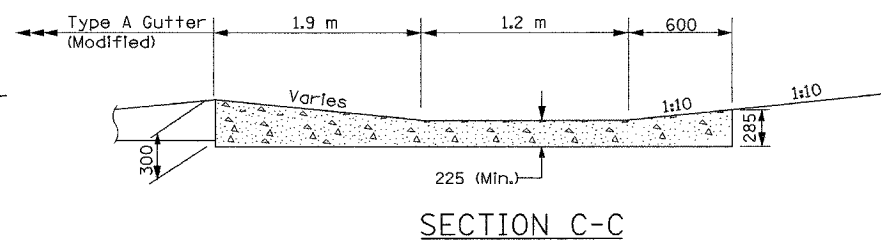
See Standard 602401 for details of Manhole and see detail for Type A Gutter, (Modified) (Inlet, Outlet, and Inlet Special)

INLETS, SPECIAL PLAN

Identified on drainage plan sheets as Inlets, Special (Modified) paid for as Inlets, Special



SECTION B-B



SECTION C-C

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

D&A
 DAILY & ASSOCIATES,
 ENGINEERS, INC.
 PEORIA, ILLINOIS

REVISIONS	
NAME	DATE

SHEET 8 OF 12

ALL STATIONS INDICATED ARE WESTBOUND STATIONING UNLESS OTHERWISE NOTED.

ILLINOIS DEPARTMENT OF TRANSPORTATION

**DRAINAGE DETAIL
 INLETS, SPECIAL (MODIFIED)**

DATE 01/07/2005

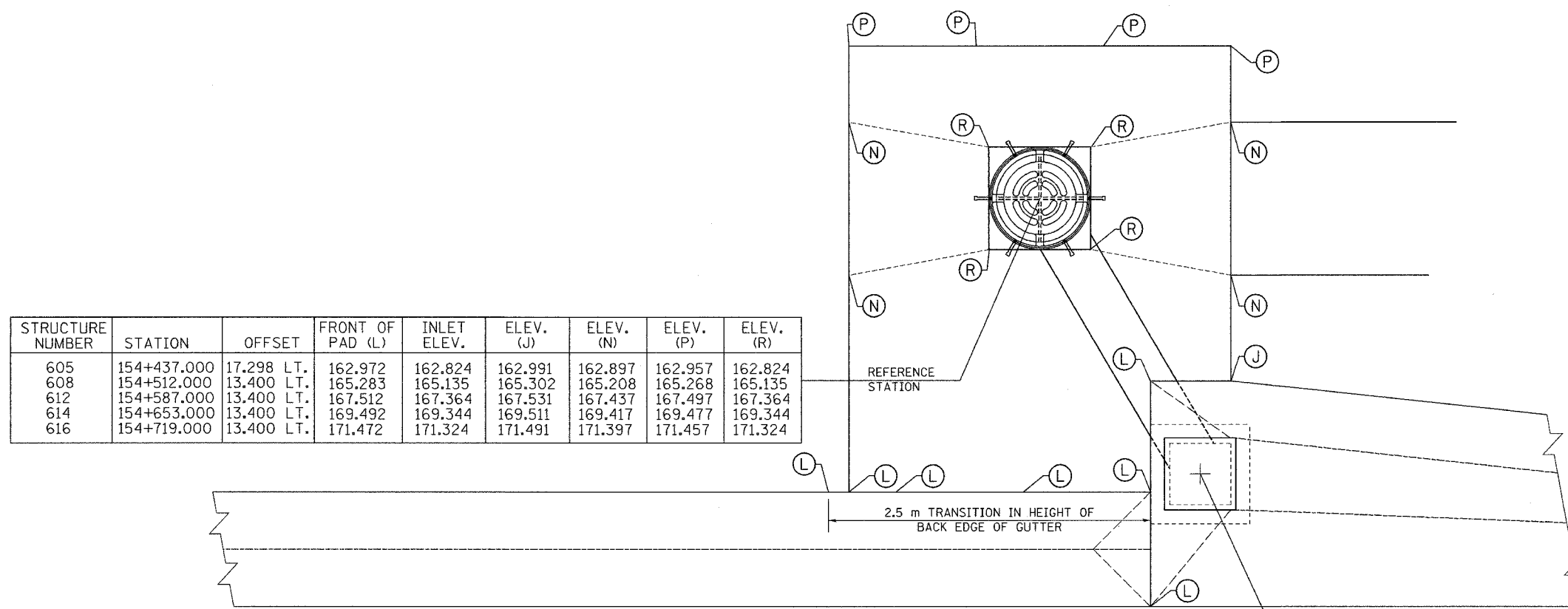
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CONTRACT 11: PLAN SET 2 OF 4 FINAL PLANS 01/05

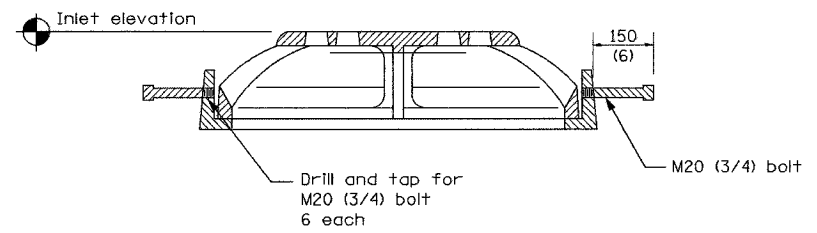
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	*	TAZEWELL	1366	1052
STA.		TO STA.		
FED. ROAD DIST. NO. 4		ILLINOIS FED. AID PROJECT		

* 190-111R-2:90(13,14,14-1)R-1



STRUCTURE NUMBER	STATION	OFFSET	FRONT OF PAD (L)	INLET ELEV.	ELEV. (J)	ELEV. (N)	ELEV. (P)	ELEV. (R)
605	154+437.000	17.298 LT.	162.972	162.824	162.991	162.897	162.957	162.824
608	154+512.000	13.400 LT.	165.283	165.135	165.302	165.208	165.268	165.135
612	154+587.000	13.400 LT.	167.512	167.364	167.531	167.437	167.497	167.364
614	154+653.000	13.400 LT.	169.492	169.344	169.511	169.417	169.477	169.344
616	154+719.000	13.400 LT.	171.472	171.324	171.491	171.397	171.457	171.324

STRUCTURE NUMBER	STATION **	OFFSET
606	154+438.260	15.240 LT.
609	154+513.260	11.246 LT.
613	154+588.260	11.232 LT.
615	154+654.260	11.255 LT.
617	154+720.260	11.260 LT.



INLETS, SPECIAL GRATE DETAIL
See Standard 604101

SHEET 9 OF 12

ALL STATIONS INDICATED ARE WESTBOUND STATIONING UNLESS OTHERWISE NOTED.



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

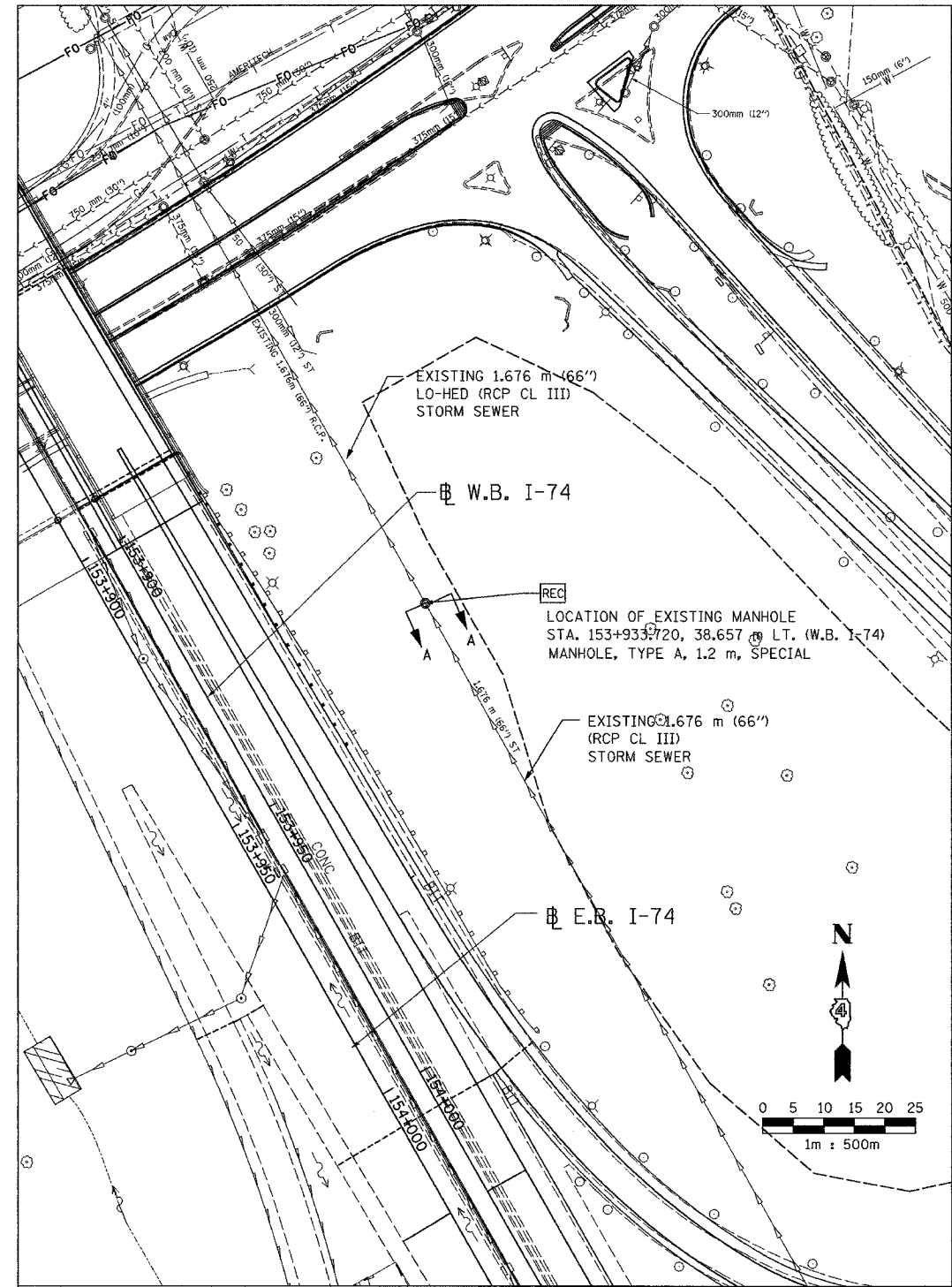
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INLETS, SPECIAL (MODIFIED)

DATE 01/07/2005

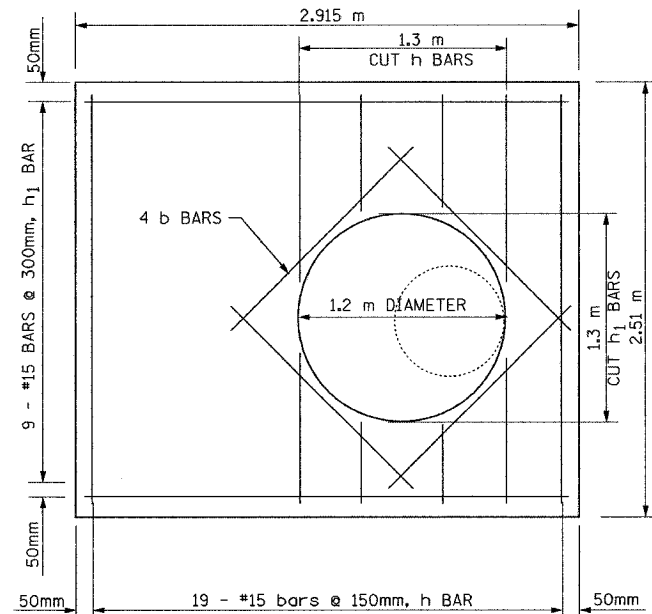
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CONTRACT 11: PLAN SET 2 OF 4 FINAL PLANS 01/05



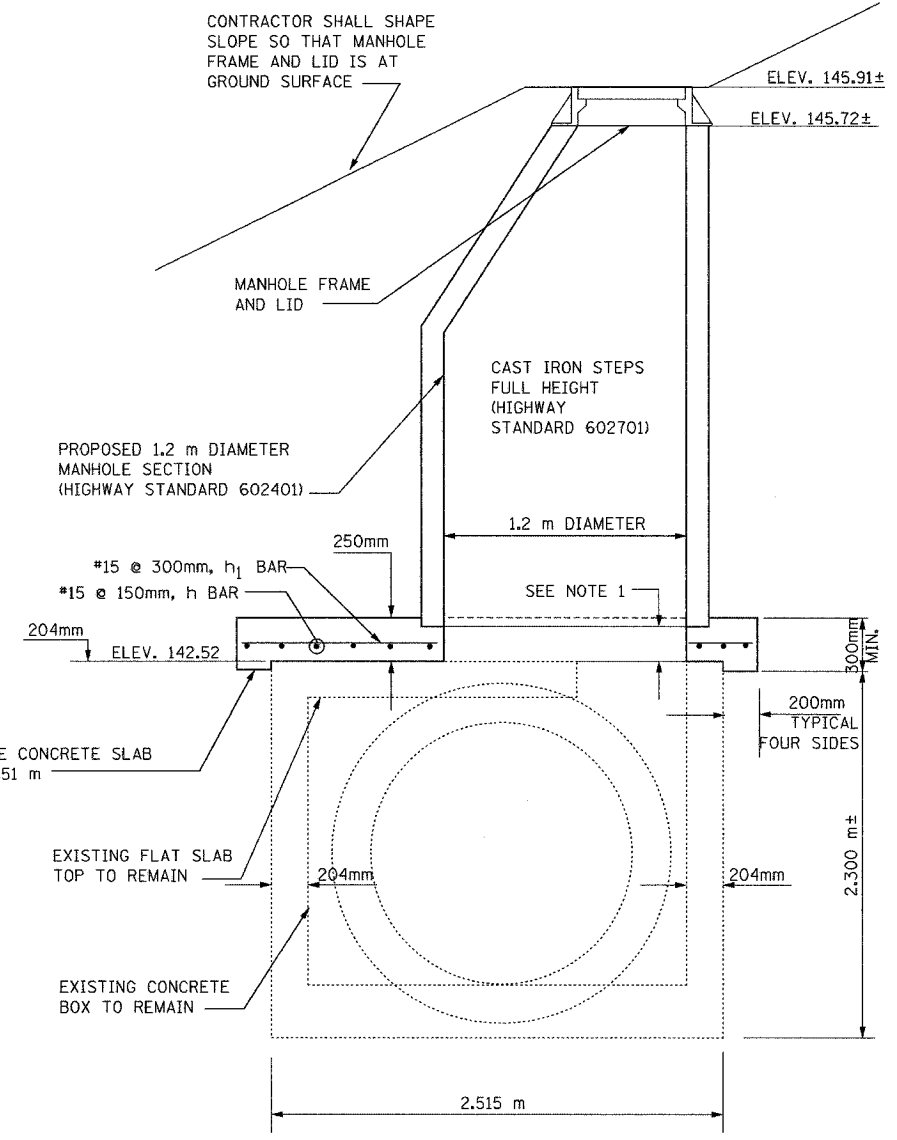
SITE PLAN



PLAN VIEW
TOP CONCRETE SLAB

BILL OF MATERIAL				
BAR	NO	SIZE	LENGTH	SHAPE
h	19	15	2.410 m	—
h ₁	9	15	2.815 m	—
b	4	15	2.00 m	—
CLASS MS CONCRETE			CU.M	1.65
REINFORCEMENT BARS			kg	125

CLASS MS CONCRETE AND THE REINFORCEMENT BARS ARE INCLUDED IN THE UNIT COST FOR MANHOLES, SPECIAL, 1.2 m DIAMETER



SECTION A-A
MANHOLES, SPECIAL, 1.2 m DIAMETER
STA. 153+933.720, 38.657 m LT. (W.B. I-74)

NOTE 1:
PRECAST MANHOLE MUST BE BLOCKED UP 200mm ABOVE EXISTING SLAB, THEN THE PROPOSED CONCRETE SLAB SHALL BE CAST-IN-PLACE. ONLY ONE PRECAST MANHOLE SECTION SHALL BE INSTALLED UNTIL AFTER THE CONCRETE SLAB HAS REACHED FULL STRENGTH.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS NO.	SHEET NO.
74	*	TAZEWELL	1366	1053
STA. TO STA.		FED. ROAD DIST. NO. 4 ILLINOIS FED. AID PROJECT		

• (90-111R-2;9013,14,14-11R-1)

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REVISIONS	
NAME	DATE

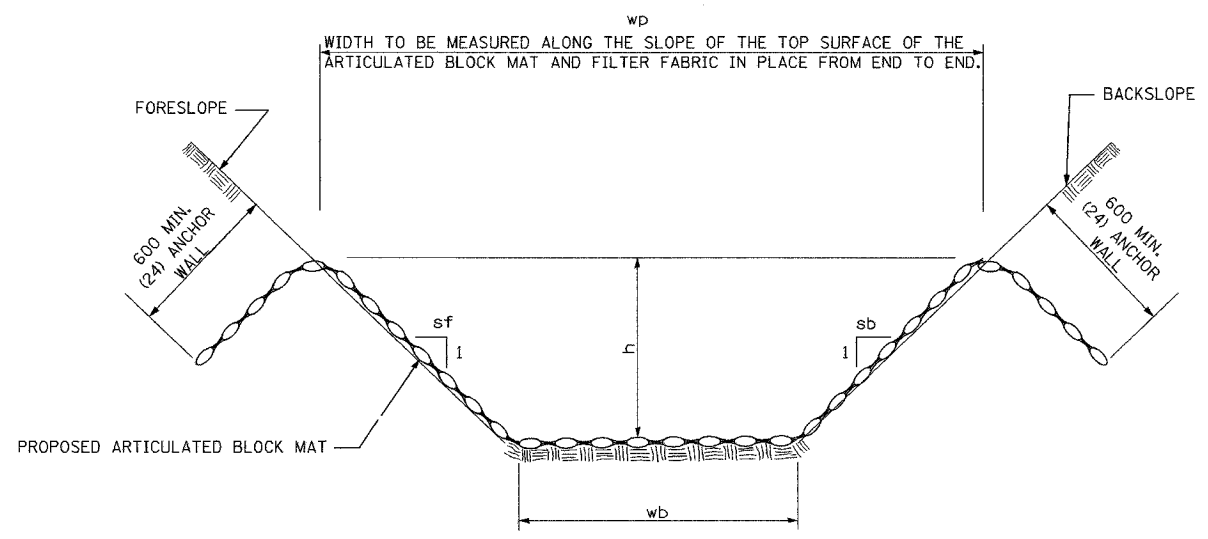
ILLINOIS DEPARTMENT OF TRANSPORTATION
DRAINAGE DETAIL
MANHOLES, SPECIAL, 1.2 m DIAMETER
STA. 153+933.720 (W.B. I-74),
CLOSED LID
DRAWN BY
CHECKED BY
DATE 01/07/2005

SHEET 10 OF 12

CONTRACT 11: PLAN SET 2 OF 4 FINAL PLANS 01/05

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	*	TAZEWELL	1366	1054
STA.	TO STA.			
FED. ROAD DIST. NO. 4		ILLINOIS	FED. AID PROJECT	

• (90-11)R-2;90(13,14,14-1)R-1



TYPICAL ARTICULATED BLOCK MAT LINED DITCH

ADDITIONAL DETAILS PER MANUFACTURE'S RECOMMENDATIONS FOR INSTALLATION

ARTICULATED BLOCK MATS

BASELINE	STATION	OFFSET	SIDE	SLOPE (SF)	SLOPE (SB)	SIDE HEIGHT (H) METERS	BOTTOM WIDTH (WB) METERS	PAY WIDTH (WP) METERS	AVE PAY WIDTH (WP) METERS	LENGTH METERS	ARTICULATED BLOCK MATS SQ METERS
MAINLINE	153+881.259	15.019	LT	1:3	1:3	0.3	0.6	5.6	5.6	35.0	
MAINLINE	153+896.664	45.364	LT	1:3	1:3	0.3	0.6	5.6	5.6		
MAINLINE	153+895.754	46.900	LT	1:20	1:2.5	0.15	1.2	3.6	3.6	SUB	196.0
MAINLINE	153+898.643	46.900	LT	1:20	1:2.5	0.15	1.2	3.6	3.6	2.4	
MAINLINE	154+057.547	21.736	LT	1:4	1:4	0.3	0.6	3.1	3.1	SUB	8.6
MAINLINE	154+098.177	37.649	LT	1:4	1:4	0.3	0.6	3.1	3.1	43.7	
										SUB	135.5
MAINLINE	154+107.846	57.767	LT	0	0	0	3.0	3.0	3.0	3.0	
MAINLINE	154+113.845	57.809	LT	0	0	0	3.0	3.0	3.0		
										SUB	9.0
MAINLINE	154+121.445	49.491	LT	1:3	1:8.5	0.3	0.6	4.2	3.9	136.3	
MAINLINE	154+252.648	13.986	LT	1:4	1:6	0.3	0.6	3.6	3.6	SUB	531.6
RAMP L3	10+249.958	10.651	RT	1:4	1:3	0.6	0.6	4.7	4.7	115.4	
RAMP L3	10+372.115	13.323	RT	1:4	1:3	0.6	0.6	4.7	4.7	SUB	542.4
RAMP L-3	10+581.272	9.528	LT	1:4	1:8	.3	0	4.8	3.8	19.9	
RAMP L-3	10+600.000	11.00	LT	1:6	1:6	.125	1.2	2.7	2.7	SUB	75.6
RAMP L3	10+625.000	7.000	RT	1:4	1:4	0.3	1.2	3.7	3.7	31.8	
RAMP L3	10+656.758	7.939	RT	1:4	1:4	0.3	1.2	3.7	3.7	SUB	117.7
RAMP L4	10+034.561	2.312	RT	1:3	1:3	0.3	0.6	2.5	2.5	13.3	
RAMP L4	10+045.303	9.767	RT	1:3	1:3	0.3	0.6	2.5	2.5	SUB	33.3
TOTAL											1650

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CONTRACT 11: PLAN SET 2 OF 4 FINAL PLANS 01/05



REVISIONS	
NAME	DATE

SHEET 11 OF 12

ALL STATIONS INDICATED ARE WESTBOUND STATIONING UNLESS OTHERWISE NOTED.

ILLINOIS DEPARTMENT OF TRANSPORTATION

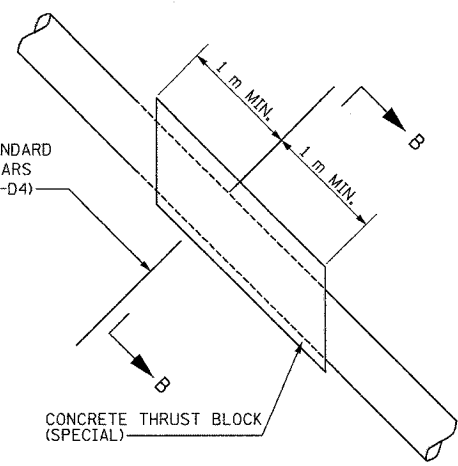
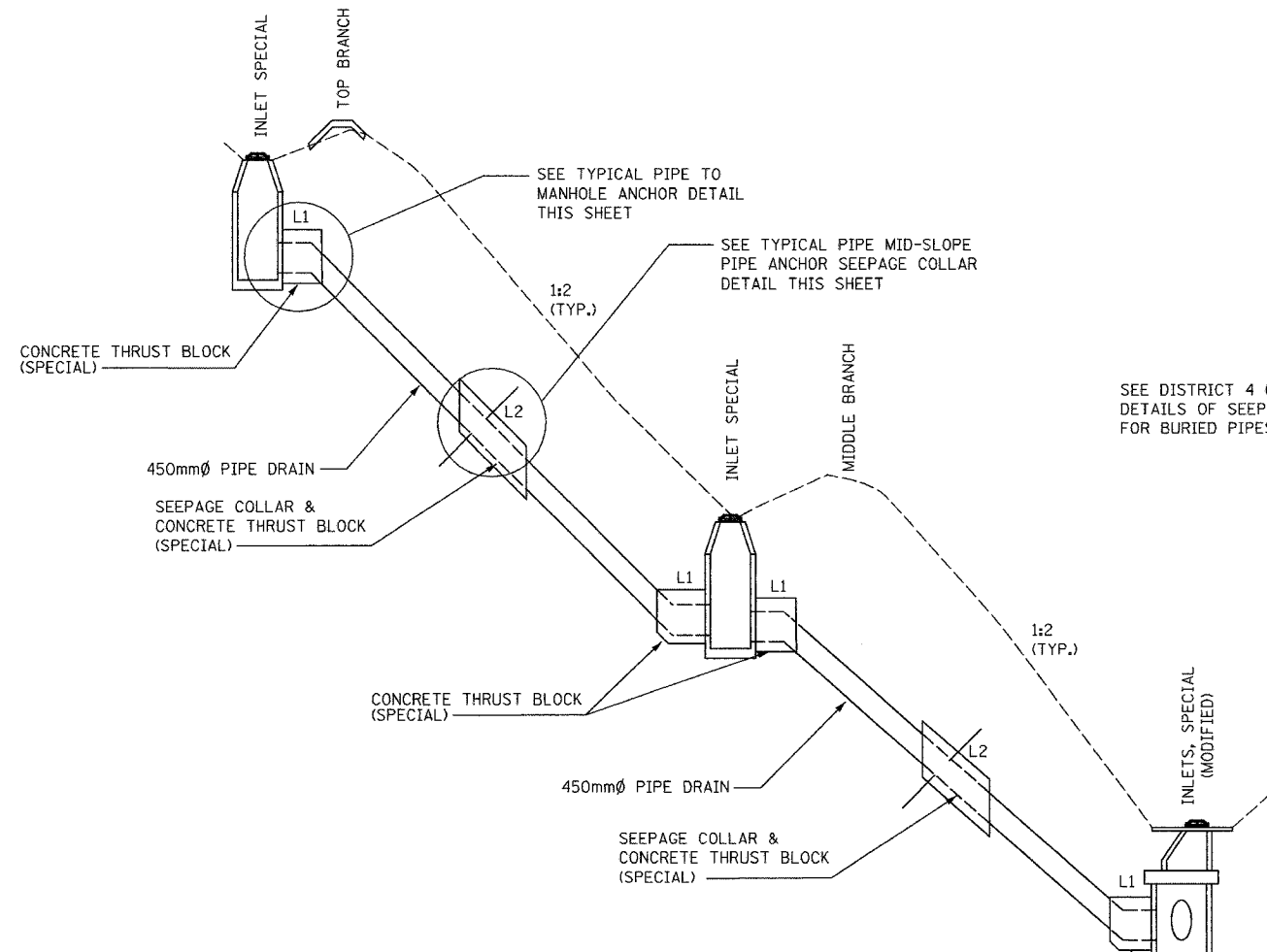
DRAINAGE DETAIL
ARTICULATED BLOCK MATS

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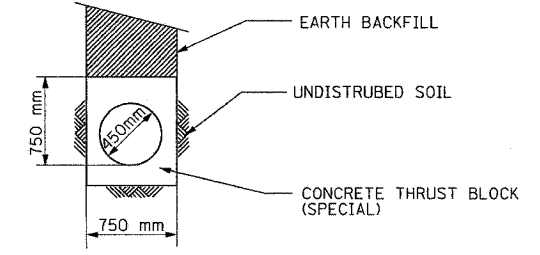
DATE 01/07/2005

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	•	TAZEWELL	1366	1055
STA.	TO STA.			
FED. ROAD DIST. NO. 4	ILLINOIS		FED. AID PROJECT	

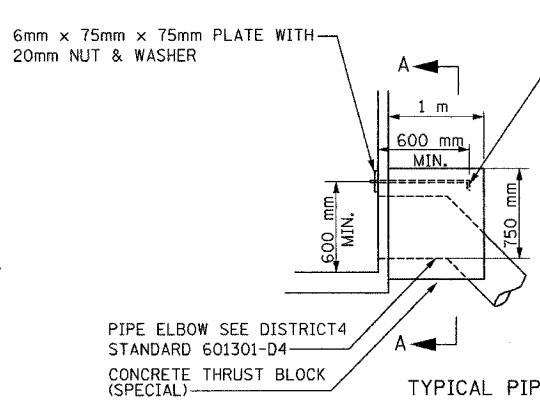
• (90-11)R-2;90(13,14,14-1)R-1



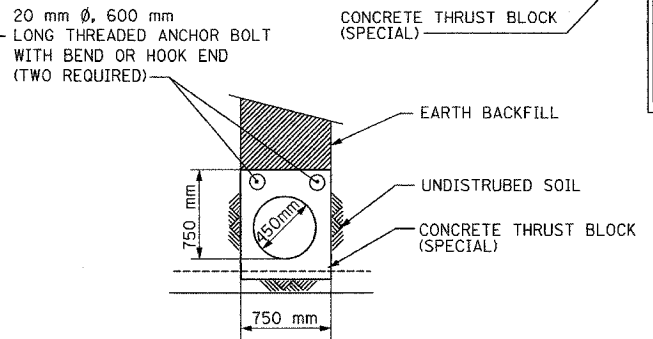
TYPICAL MID-SLOPE THRUST BLOCK & SEEPAGE COLLAR DETAIL



SECTION B-B



TYPICAL PIPE TO MANHOLE ANCHOR DETAIL



SECTION A-A

CONCRETE THRUST BLOCK (SPECIAL) BILL OF MATERIALS *

PIPE DIA	CLASS SI CONCRETE m ³	LOCATION
450 mm	0.4	L1
450 mm	1.0	L2

* MINIMUM VOLUME

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THE CONTRACT UNIT PRICE EACH FOR CONCRETE THRUST BLOCK SHALL INCLUDE THE COST OF EXCAVATION, FORMING, ANCHOR BOLTS (WHERE APPLICABLE), CLASS SI CONCRETE, AND COMPACTED BACKFILL.

DA & A
DAILY & ASSOCIATES, ENGINEERS, INC.
PEORIA, ILLINOIS

REVISIONS	
NAME	DATE

SHEET 12 OF 12

ALL STATIONS INDICATED ARE WESTBOUND STATIONING UNLESS OTHERWISE NOTED.

ILLINOIS DEPARTMENT OF TRANSPORTATION

DRAINAGE DETAIL
BENCH DRAINS

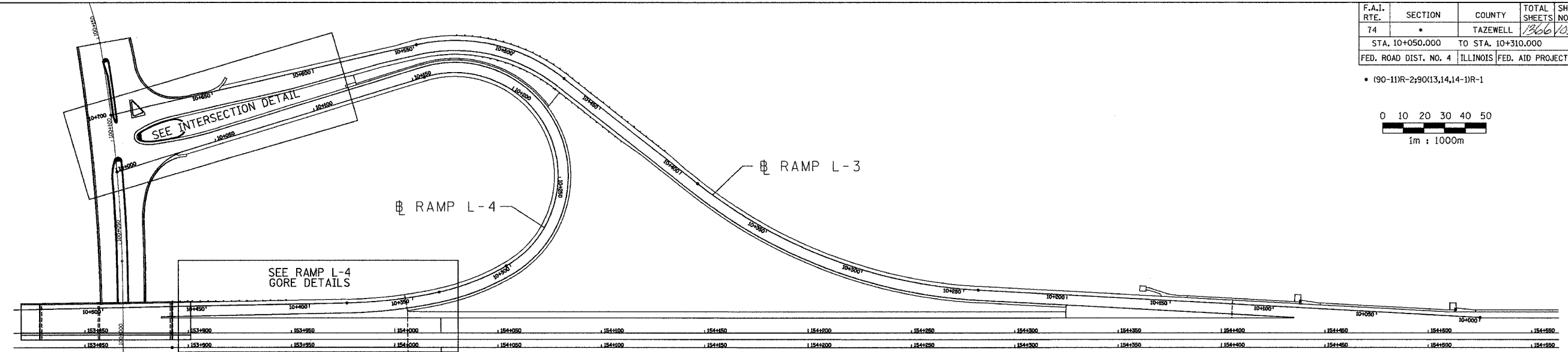
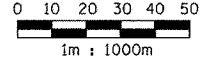
DATE 01/07/2005

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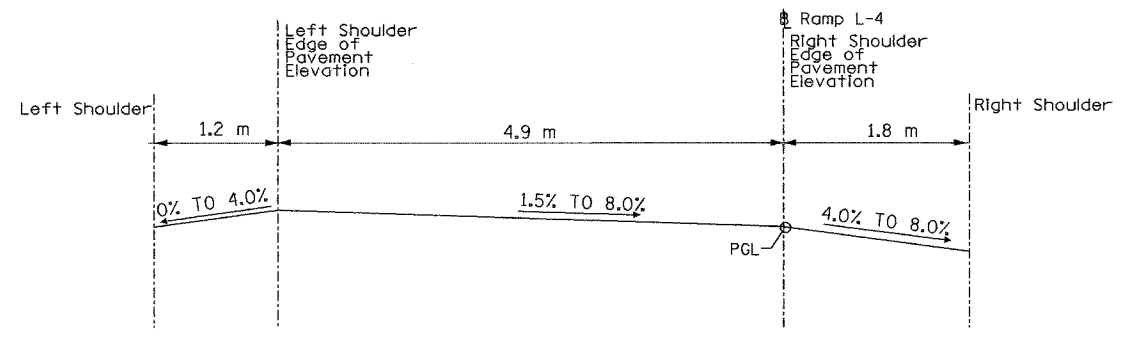
CONTRACT 11- PLAN SET 2 OF 4 FINAL PLANS 01/05

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	*	TAZEWELL	1366	1056
STA. 10+050.000		TO STA. 10+310.000		
FED. ROAD DIST. NO. 4		ILLINOIS	FED. AID PROJECT	

• (90-11)R-2(90)(13,14,14-1)R-1



STATION	PGL	LANE SLOPE	LANE WIDTH	LT E/P ELEV	LT SH SLOPE	1.2 m LT SH	RT SH SLOPE	1.8 m RT SH
10+050.000	142.711	1.500%	4.900	142.785	-4.000%	142.737	4.000%	142.639
10+055.000	142.710	1.500%	4.900	142.784	-4.000%	142.736	4.000%	142.638
10+060.000	142.731	1.500%	4.900	142.805	-4.000%	142.757	4.000%	142.659
10+065.000	142.772	1.500%	4.900	142.846	-4.000%	142.798	4.000%	142.700
10+070.000	142.834	1.500%	4.900	142.908	-4.000%	142.860	4.000%	142.762
10+075.000	142.918	1.500%	4.900	142.992	-4.000%	142.944	4.000%	142.846
10+080.000	143.023	1.500%	4.900	143.097	-4.000%	143.049	4.000%	142.951
10+085.000	143.148	1.500%	4.900	143.222	-4.000%	143.174	4.000%	143.076
10+090.000	143.295	1.500%	4.900	143.369	-4.000%	143.321	4.000%	143.223
10+095.000	142.464	1.500%	4.900	142.538	-4.000%	142.490	4.000%	142.392
10+100.000	143.642	1.500%	4.900	143.716	-4.000%	143.668	4.000%	143.570
10+105.000	143.821	1.500%	4.900	143.895	-4.000%	143.847	4.000%	143.749
10+110.000	144.000	1.500%	4.900	144.074	-4.000%	144.026	4.000%	143.928
10+115.000	144.178	1.500%	4.900	144.252	-4.000%	144.204	4.000%	144.106
10+120.000	144.357	1.500%	4.900	144.431	-4.000%	144.383	4.000%	144.285
10+125.000	144.536	1.500%	4.900	144.610	-4.000%	144.562	4.000%	144.464
10+126.000	144.572	1.500%	4.900	144.646	-4.000%	144.598	4.000%	144.500
10+130.000	144.715	2.078%	4.900	144.817	-4.000%	144.769	4.000%	144.643
10+135.000	144.893	2.800%	4.900	145.030	-4.000%	144.982	4.000%	144.821
10+140.000	145.072	3.522%	4.900	145.245	-4.000%	145.197	4.000%	145.000
10+145.000	145.251	4.242%	4.900	145.459	-3.758%	145.414	4.242%	145.175
10+150.000	145.429	4.967%	4.900	145.672	-3.030%	145.636	4.967%	145.340
10+155.000	145.608	5.689%	4.900	145.887	-2.310%	145.859	5.689%	145.506
10+160.000	145.787	6.411%	4.900	146.101	-1.590%	146.082	6.411%	145.672
10+165.000	145.965	7.133%	4.900	146.315	-0.870%	146.304	7.133%	145.837
10+170.000	146.180	7.856%	4.900	146.565	-0.140%	146.563	7.856%	146.039
10+171.000	146.180	8.000%	4.900	146.572	0.000%	146.572	8.000%	146.036
10+175.000	146.323	8.000%	4.900	146.715	0.000%	146.715	8.000%	146.179
10+180.000	146.502	8.000%	4.900	146.894	0.000%	146.894	8.000%	146.358
10+185.000	146.680	8.000%	4.900	147.072	0.000%	147.072	8.000%	146.536
10+190.000	146.859	8.000%	4.900	147.251	0.000%	147.251	8.000%	146.715
10+195.000	147.038	8.000%	4.900	147.430	0.000%	147.430	8.000%	146.894
10+200.000	147.216	8.000%	4.900	147.608	0.000%	147.608	8.000%	147.072
10+205.000	147.395	8.000%	4.900	147.787	0.000%	147.787	8.000%	147.251
10+210.000	147.574	8.000%	4.900	147.966	0.000%	147.966	8.000%	147.430
10+215.000	147.753	8.000%	4.900	148.145	0.000%	148.145	8.000%	147.609
10+220.000	147.931	8.000%	4.900	148.323	0.000%	148.323	8.000%	147.787
10+225.000	148.110	8.000%	4.900	148.502	0.000%	148.502	8.000%	147.966
10+230.000	148.289	8.000%	4.900	148.681	0.000%	148.681	8.000%	148.145
10+235.000	148.467	8.000%	4.900	148.859	0.000%	148.859	8.000%	148.323
10+240.000	148.646	8.000%	4.900	149.038	0.000%	149.038	8.000%	148.502
10+245.000	148.825	8.000%	4.900	149.217	0.000%	149.217	8.000%	148.681
10+250.000	149.004	8.000%	4.900	149.396	0.000%	149.396	8.000%	148.860
10+255.000	149.182	8.000%	4.900	149.574	0.000%	149.574	8.000%	149.038
10+260.000	149.361	8.000%	4.900	149.753	0.000%	149.753	8.000%	149.217
10+265.000	149.537	8.000%	4.900	149.929	0.000%	149.929	8.000%	149.393
10+270.000	149.702	8.000%	4.900	150.094	0.000%	150.094	8.000%	149.558
10+275.000	149.855	8.000%	4.900	150.247	0.000%	150.247	8.000%	149.711
10+280.000	149.995	8.000%	4.900	150.387	0.000%	150.387	8.000%	149.851
10+285.000	150.123	8.000%	4.900	150.515	0.000%	150.515	8.000%	149.979
10+290.000	150.240	8.000%	4.900	150.632	0.000%	150.632	8.000%	150.096
10+295.000	150.344	8.000%	4.900	150.736	0.000%	150.736	8.000%	150.200
10+300.000	150.436	8.000%	4.900	150.828	0.000%	150.828	8.000%	150.292
10+305.000	150.515	8.000%	4.900	150.907	0.000%	150.907	8.000%	150.371
10+310.000	150.583	8.000%	4.900	150.975	0.000%	150.975	8.000%	150.439



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ALL DIMENSIONS ARE IN METERS (m) EXCEPT AS NOTED

ALL STATIONS INDICATED ARE WESTBOUND STATIONING UNLESS OTHERWISE NOTED.



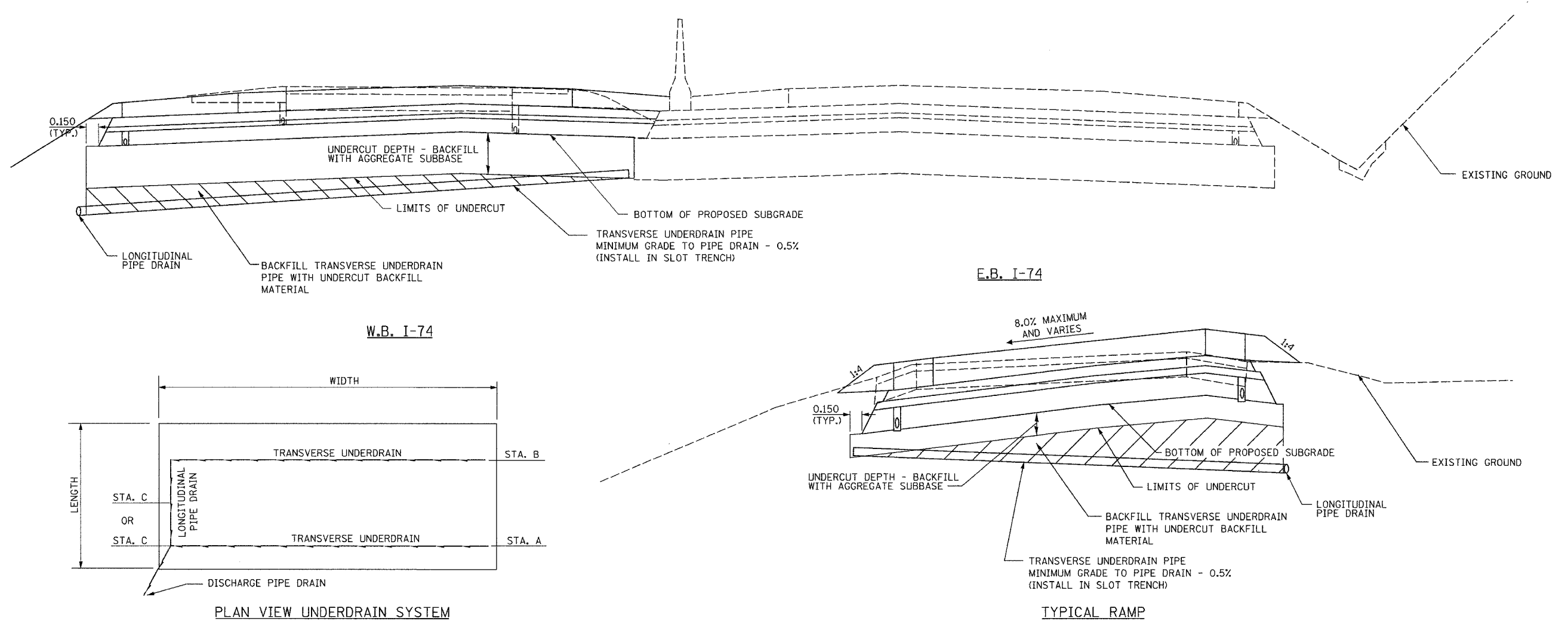
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 MISCELLANEOUS DETAIL
 SUPER ELEVATION TABLES
 RAMP L-4
 STA. 10+050.000 TO STA. 10+310.000
 DRAWN BY
 DATE 01/07/2005 CHECKED BY

CONTRACT 11: PLAN SET 2 OF 4 FINAL PLANS 01/05

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	*	TAZEWELL	1366	1158
STA.	TO STA.			
FED. ROAD DIST. NO. 4			ILLINOIS FED. AID PROJECT	

* (90-11)R-2;90(13,14,14-1)R-1



SCHEDULE OF UNDERCUTS

STATION LOCATION FOR DISCHARGE PIPE			UNDERCUT STATION RANGE	DEPTH (mm)	WIDTH (m)	LENGTH (m)	LONGITUDINAL PIPE DRAIN (m)	DISCHARGE PIPE DRAIN	LENGTH OF UNDERDRAIN (m)	CONCRETE HEADWALL	DISCHARGE STRUCTURE NO.
C	A	B									
153+965 (W.B. I-74)	153+965 (W.B. I-74)	153+995 (W.B. I-74)	153+965 TO 154+025 (W.B. I-74)	300	VARIES	60	30	6	39.9	1	DITCH, STA. 153+965 LT.
154+660 (W.B. I-74)	154+660 (W.B. I-74)	154+695 (W.B. I-74)	154+660 TO 154+730 (W.B. I-74)	700	14.4	70	35	7	29.1		614
10+075 (RAMP L-3)	10+150 (RAMP L-3)	10+110 (RAMP L-3)	10+075 TO 10+150 (RAMP L-3)	300	8.5	75	40	14	17.8		604
10+050 (RAMP L-4)	10+050 (RAMP L-4)	10+090 (RAMP L-4)	10+050 TO 10+125 (RAMP L-4)	300	9.6	75	40	22	19.2		627
SUBTOTAL							145	49	106.0	1	
* TOTAL PIPE UNDERDRAIN 100 MM (SPECIAL)								194			
* TOTAL PIPE UNDERDRAIN 100 MM									106.0		
* TOTAL CONCRETE HEADWALL FOR PIPE DRAINS										1	

TRANSVERSE UNDERDRAINS SHALL BE PAID FOR AS "PIPE UNDERDRAINS 100 MM" DISCHARGE PIPE DRAIN AND LONGITUDINAL PIPE DRAINS SHALL BE PAID FOR AS "PIPE UNDERDRAINS 100 MM (SPECIAL)"

* QUANTITIES FORWARDED TO TABLES FOUND IN SCHEDULE OF QUANTITIES



REVISIONS	
NAME	DATE

ALL STATIONS INDICATED ARE WESTBOUND STATIONING UNLESS OTHERWISE NOTED.

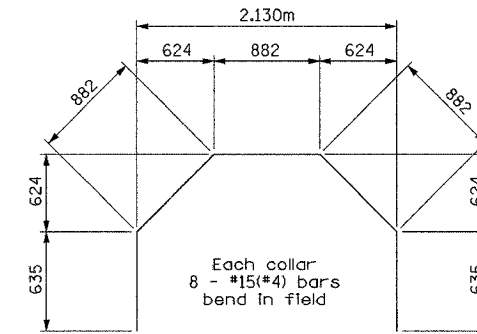
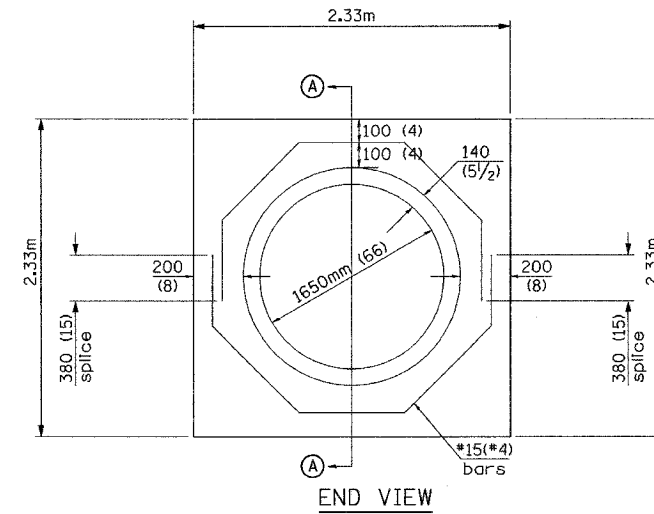
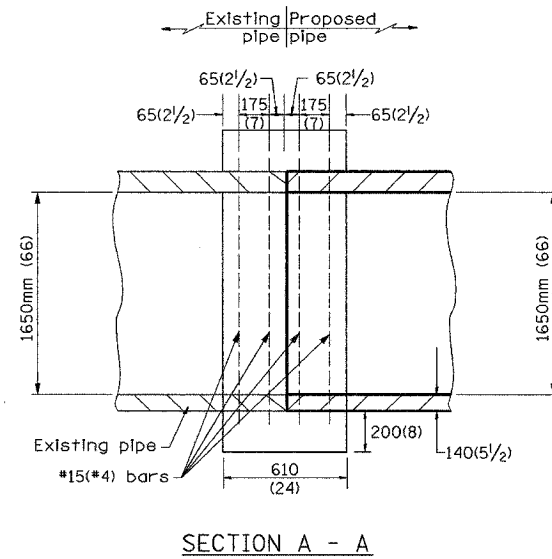
ILLINOIS DEPARTMENT OF TRANSPORTATION
MISCELLANEOUS DETAIL
UNDERCUT DETAIL
F.A.I. ROUTE 74 (W.B. I-74)
I-74 MAINLINE
RAMPS L-3 & L-4
DRAWN BY
DATE 01/07/2005
CHECKED BY

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CONTRACT 11: PLAN SET 2 OF 4 FINAL PLANS 01/05

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	*	TAZEWELL	1366	1059
STA.		TO STA.		
FED. ROAD DIST. NO. 4		ILLINOIS FED. AID PROJECT		

• (90-11)R-2:9013,14,14-1R-1



BILL OF MATERIAL

Bar	No.	Size	Length (m)	Shape
s ₁	8	#15	3.916	⤿
Concrete Collar		m ³	1.53	
Reinforcement Bars		kg	49	

GENERAL NOTES

1. THE COLLAR SHALL BE CONSTRUCTED ENTIRELY OF CLASS SI CONCRETE IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTION 503 OF THE STANDARD SPECIFICATIONS. REINFORCEMENT BARS SHALL CONFORM TO SECTION 508.

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

SHEET 4 OF 7

<p>DAILY & ASSOCIATES, ENGINEERS, INC. PEORIA, ILLINOIS</p>	REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION MISCELLANEOUS DETAIL PIPE CULVERT (1650mm) EXTENSION COLLAR (WITHOUT END SECTION) DRAWN BY CHECKED BY
	NAME	DATE	
DATE 01/07/2005			

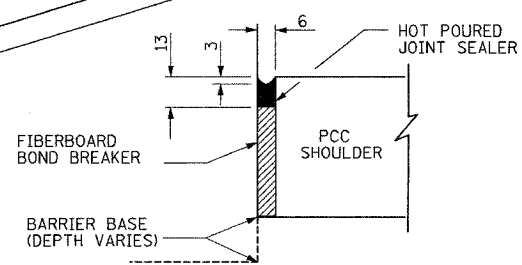
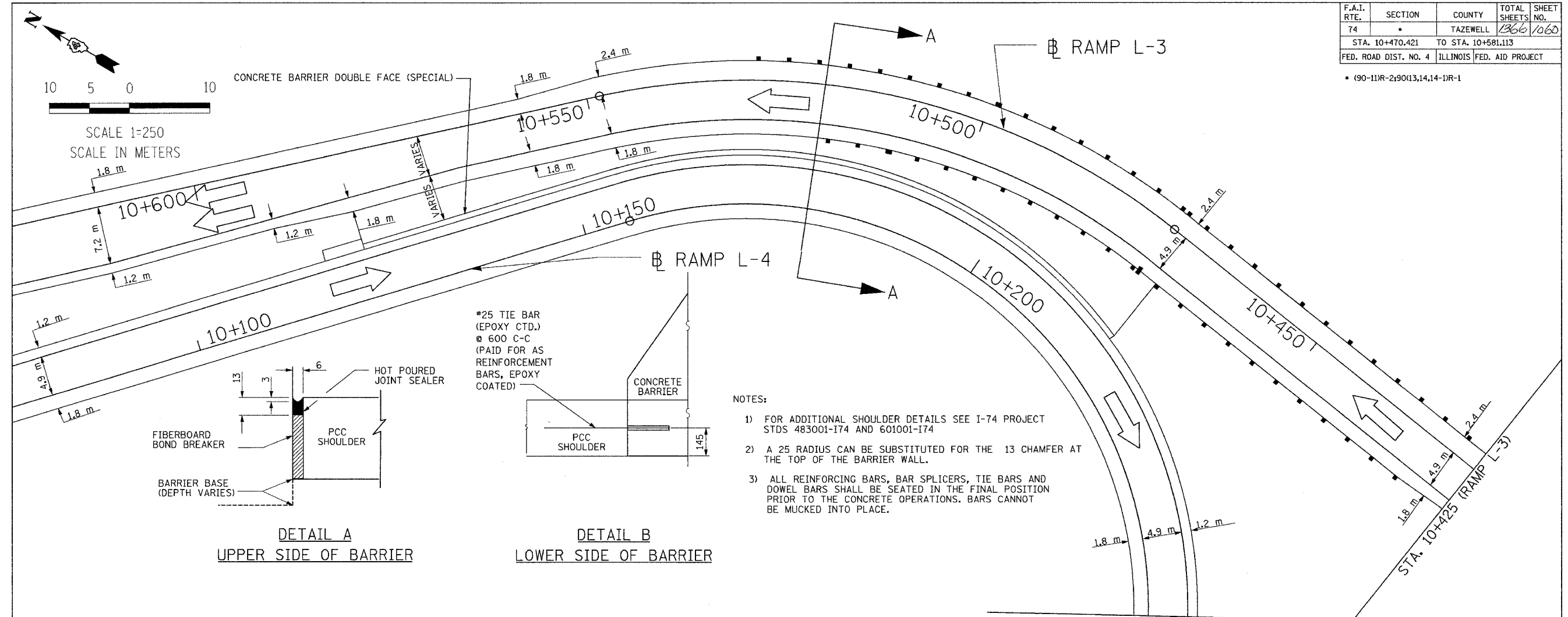
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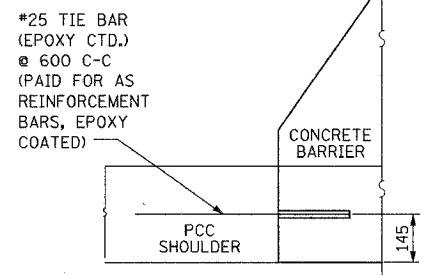
CONTRACT 11: PLAN SET 2 OF 4 FINAL PLANS 01/05

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74		TAZEWELL	1366	1060
STA. 10+470.421 TO STA. 10+581.113				
FED. ROAD DIST. NO. 4		ILLINOIS FED. AID PROJECT		

• (90-11)R-2;90(13,14,14-1)R-1



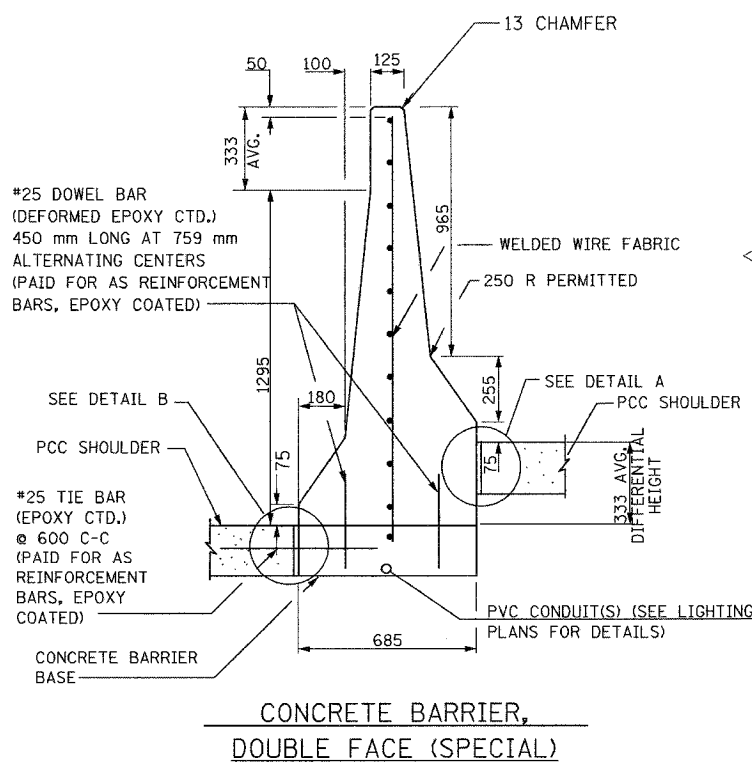
DETAIL A
UPPER SIDE OF BARRIER



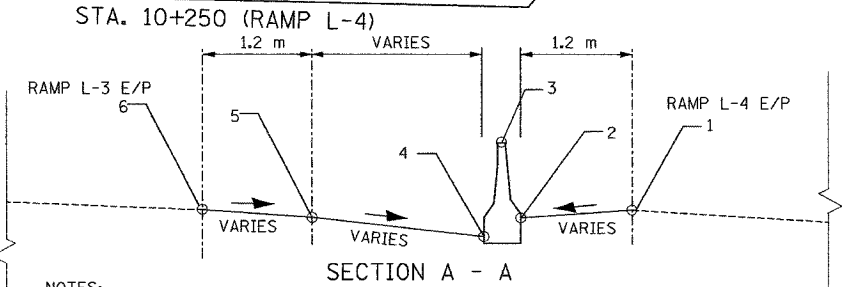
DETAIL B
LOWER SIDE OF BARRIER

- NOTES:
- 1) FOR ADDITIONAL SHOULDER DETAILS SEE I-74 PROJECT STDS 483001-I74 AND 601001-I74
 - 2) A 25 RADIUS CAN BE SUBSTITUTED FOR THE 13 CHAMFER AT THE TOP OF THE BARRIER WALL.
 - 3) ALL REINFORCING BARS, BAR SPLICERS, TIE BARS AND DOWEL BARS SHALL BE SEATED IN THE FINAL POSITION PRIOR TO THE CONCRETE OPERATIONS. BARS CANNOT BE MUCKED INTO PLACE.

RAMP L-3 STATION	ELEVATIONS						RAMP L-4 STATION
	6	5	4	3	2	1	
10+470.217	149.043	148.971	147.973	149.518	148.223	148.223	10+217.189
10+475.000	148.815	148.733	147.817	149.381	148.086	148.086	10+213.362
10+480.000	148.575	148.479	147.668	149.246	147.951	147.951	10+209.571
10+485.000	148.336	148.226	147.519	149.109	147.814	147.814	10+205.748
10+490.000	148.097	147.973	147.363	148.971	147.676	147.676	10+201.897
10+495.000	147.859	147.720	147.213	148.833	147.538	147.538	10+198.020
10+500.000	147.643	147.499	147.059	148.693	147.398	147.398	10+194.121
10+505.000	147.443	147.299	146.904	148.553	147.258	147.258	10+190.203
10+510.000	147.242	147.098	146.750	148.413	147.118	147.118	10+186.269
10+515.000	147.042	146.898	146.593	148.272	146.977	146.977	10+182.321
10+520.000	146.842	146.698	146.439	148.130	146.835	146.835	10+178.364
10+525.000	146.649	146.507	146.283	147.988	146.693	146.693	10+174.400
10+530.000	146.480	146.351	146.126	147.842	146.547	146.548	10+170.432
10+535.000	146.313	146.196	145.969	147.665	146.370	146.378	10+166.464
10+540.000	146.146	146.040	145.813	147.488	146.193	146.208	10+162.199
10+545.000	145.979	145.885	145.656	147.312	146.017	146.039	10+158.539
10+550.000	145.811	145.730	145.496	147.122	145.827	145.856	10+154.265
10+555.000	145.643	145.571	145.322	146.898	145.603	145.641	10+149.251
10+560.000	145.476	145.404	145.148	146.674	145.379	145.426	10+144.237
10+565.000	145.309	145.237	144.973	146.458	145.163	145.211	10+139.223
10+567.250	145.234	145.162	144.895	146.381	145.086	145.134	10+136.967
10+570.000	145.144	145.072	144.799	146.244	144.949	144.997	10+134.209
10+575.000	144.964	144.892	144.624	146.029	144.734	144.782	10+129.195
10+580.000	144.783	144.711	144.450	145.828	144.533	144.581	10+124.181
10+581.113	144.744	144.672	144.413	145.789	144.494	144.542	10+123.117



CONCRETE BARRIER,
DOUBLE FACE (SPECIAL)



- NOTES:
1. BARRIER BASE WIDTH EQUALS 0.685 m. BARRIER HEIGHT EQUALS 1.295 m ON HIGH SIDE OF SHOULDER. ON LOW SIDE OF SHOULDER, HEIGHT EQUALS DIFFERENCE BETWEEN SHOULDER ELEVATION AND TOP OF BARRIER ELEVATION, INCLUDING DIFFERENTIAL.
 2. SEE CONCRETE BARRIER DETAILS FOR FURTHER DETAIL REGARDING LOW SIDE ELEVATION DIFFERENTIAL. SEE MISCELLANEOUS DETAILS SUPERELEVATION TABLES FOR RAMP L-3 AND RAMP L-4 PAVEMENT GRADES AND ELEVATIONS. SEE MISCELLANEOUS DETAILS CONCRETE BARRIER DETAILS RAMP L-3/L-4 FOR CONCRETE BARRIER AND ADJACENT SHOULDER INFORMATION.

ALL DIMENSIONS ARE IN MILLIMETERS (mm) EXCEPT AS NOTED

D&A
DAILY & ASSOCIATES,
ENGINEERS, INC.
PEORIA, ILLINOIS

REVISIONS	
NAME	DATE

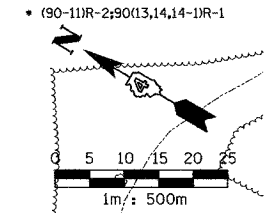
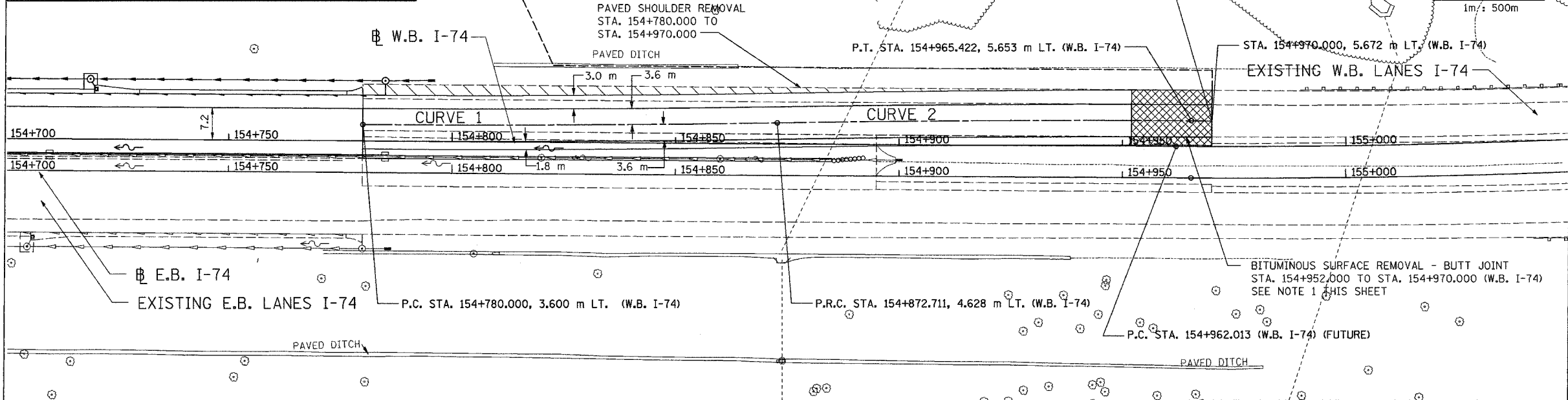
ILLINOIS DEPARTMENT OF TRANSPORTATION
MISCELLANEOUS DETAIL
CONCRETE BARRIER DETAILS
RAMP L-3/L-4
STA. 10+470.421 TO STA. 10+581.113
DRAWN BY
DATE 01/07/2005
CHECKED BY

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CONTRACT 11: PLAN SET 2 OF 4 FINAL PLANS 01/05

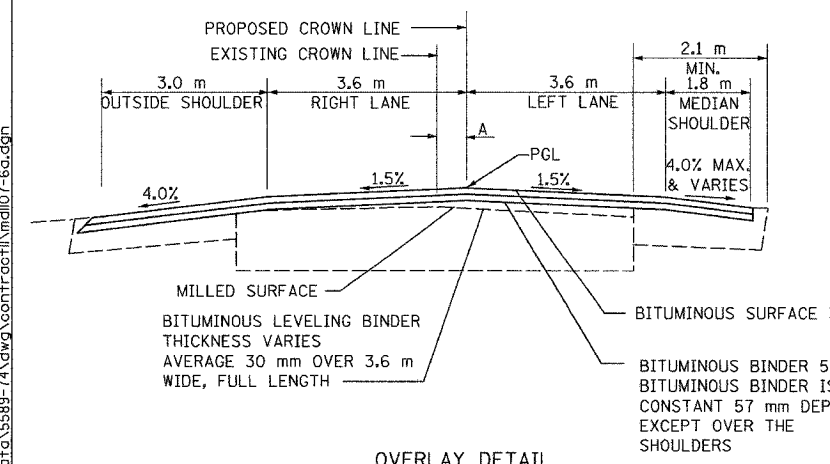
CURVE DATA		CURVE DATA	
CURVE NO.	1	CURVE NO.	2
ALIGNMENT	W.B. I-74	ALIGNMENT	W.B. I-74
DESIGN SPEED	110 KM/H	DESIGN SPEED	110 KM/H
P.I. STA	154+826.357	P.I. STA	154+919.065
Δ	1°16'15"	Δ	1°16'15"
R	4180.000 m	R	4180.000 m
T	46.357 m	T	46.357 m
L	92.711 m	L	92.711 m
E	0.257 m	E	0.257 m
P.C. STA	154+780.000	P.C. STA	154+872.711
P.T. STA	154+872.711	P.T. STA	154+965.422

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	*	TAZEWELL	1366	1061
STA.		TO STA.		
FED. ROAD DIST. NO. 4		ILLINOIS FED. AID PROJECT		

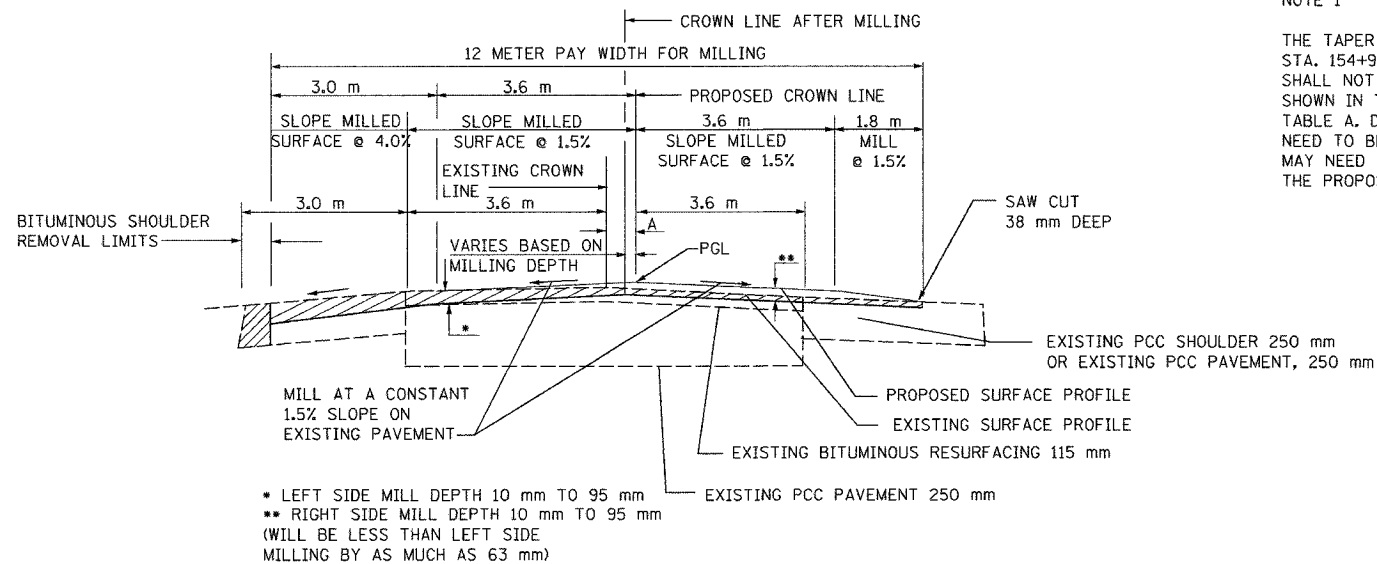


STATION	PR ELEVATION	DISTANCE A	DISTANCE B	NORTHING	EASTING
154+780.000	173.451	2.213	3.600	443,088.24	750,991.24
154+800.000	174.047	2.149	3.648	443,070.88	751,001.16
154+825.000	174.793	1.934	3.842	443,049.24	751,013.68
154+850.000	175.538	1.570	4.186	443,027.67	751,026.32
154+872.711	176.216	1.110	4.628	443,008.14	751,037.92
154+875.000	176.284	1.058	4.679	443,006.17	751,039.10
154+900.000	177.030	0.571	5.145	442,984.66	751,051.85
154+925.000	177.775	0.235	5.461	442,963.08	751,064.47
154+950.000	178.520	0.047	5.628	442,941.43	751,076.96
154+952.000	178.580	0.039	5.634	442,939.69	751,077.96
154+965.422	179.008	0.007	5.651	442,928.04	751,084.60
154+970.000	179.154	0.000	5.638	442,924.08	751,086.86

DISTANCE A
FROM PROPOSED CENTERLINE
TO EXISTING CENTERLINE
DISTANCE B
FROM W.B. I-74 TO
PROPOSED CENTERLINE



OVERLAY DETAIL



MILLING DETAIL

MILLING EXISTING ASPHALT SURFACE IS PAID FOR AT THE CONTRACT UNIT PRICE OF BITUMINOUS SURFACE REMOVAL (VARIABLE DEPTH) MILLING EXISTING CONCRETE SURFACE IS PAID FOR AT THE CONTRACT UNIT PRICE OF PORTLAND CEMENT CONCRETE SHOULDER REMOVAL

ALL DIMENSIONS ARE IN METERS (m) EXCEPT AS NOTED

DA
DAILY & ASSOCIATES,
ENGINEERS, INC.
PEORIA, ILLINOIS

REVISIONS	
NAME	DATE

ALL STATIONS INDICATED ARE WESTBOUND STATIONING UNLESS OTHERWISE NOTED.

ILLINOIS DEPARTMENT OF TRANSPORTATION

MISCELLANEOUS DETAIL
WESTBOUND LANE
TRANSITION DETAIL

DRAWN BY
CHECKED BY

DATE 01/07/2005

NOTE 1

THE TAPER ON THE BUTT JOINT FROM STA. 154+952 TO 154+970 (W.B. I-74) SHALL NOT EXCEED THE TAPER RATE SHOWN IN THE BUTT JOINT DETAIL TABLE A. DEPTH OF MILLING MAY NEED TO BE REDUCED OR LEVELING BINDER MAY NEED TO BE INCREASED TO CONTROL THE PROPOSED TAPER RATE.

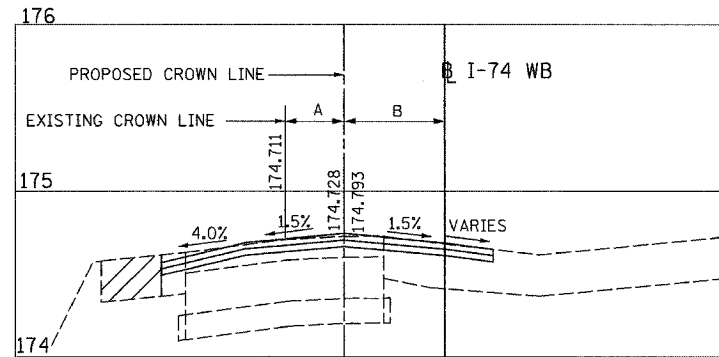
01/07/2005 01:21:20 PM
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CONTRACT 11: PLAN SET 2 OF 4 FINAL PLANS 01/05

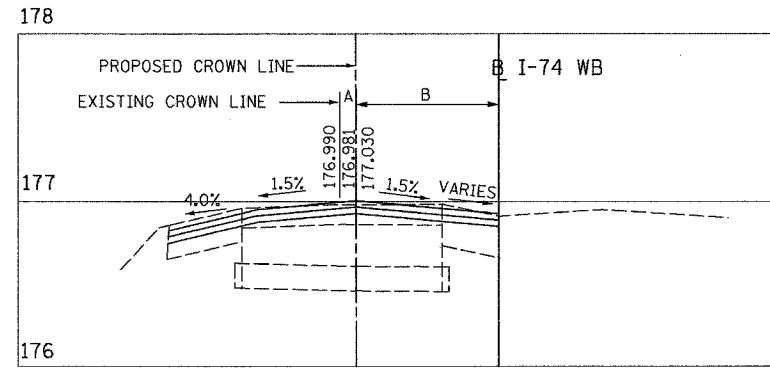
12/07/2005 01:21:20 PM

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	*	TAZEWELL	1266	1862
STA.	TO STA.			
FED. ROAD DIST. NO. 4	ILLINOIS		FED. AID PROJECT	

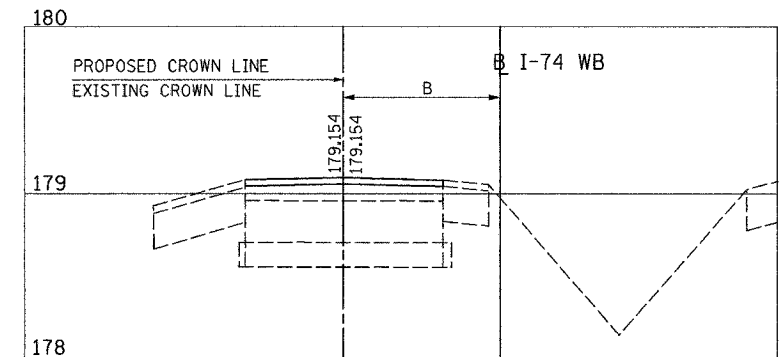
(90-11)R-2(90)13,14,14-1)R-1



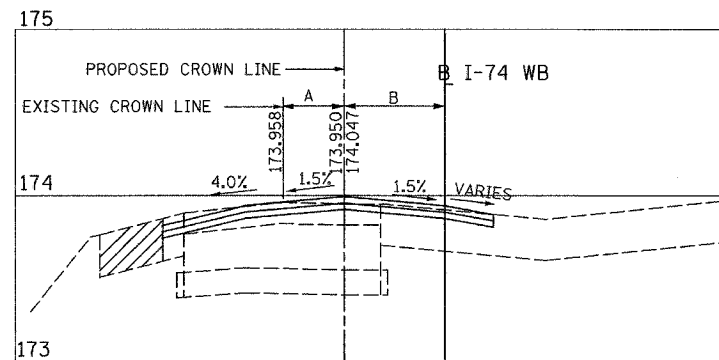
STA. 154+825 (W.B. I-74)



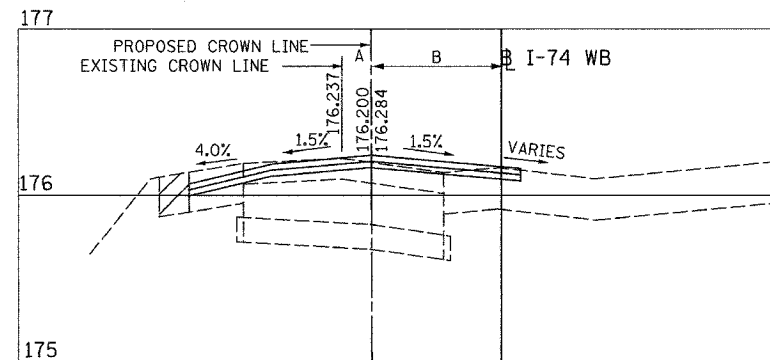
STA. 154+900 (W.B. I-74)



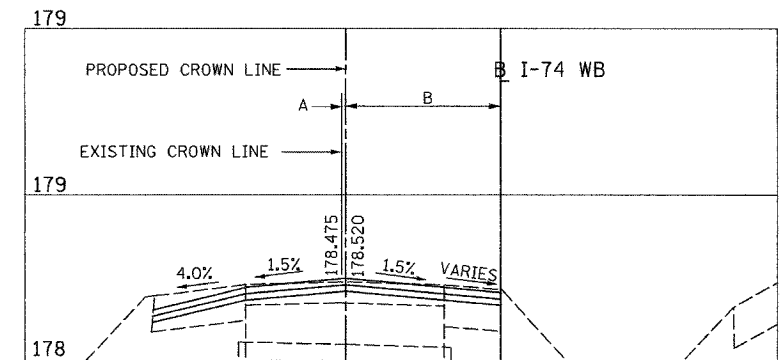
STA. 154+970 (W.B. I74)



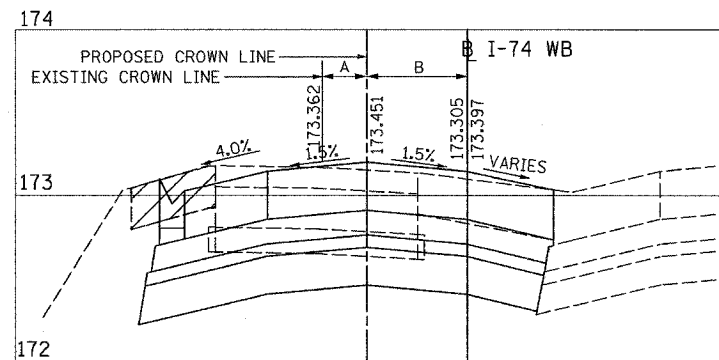
STA. 154+800 (W.B. I-74)



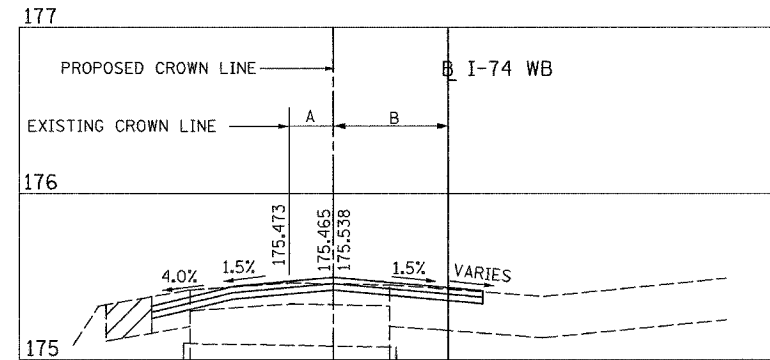
STA. 154+875 (W.B. I-74)



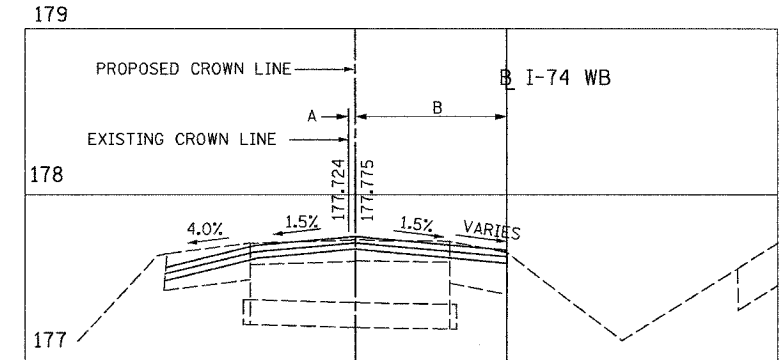
STA. 154+950 (W.B. I-74)



STA. 154+780 (W.B. I-74)



STA. 154+850 (W.B. I-74)



STA. 154+925 (W.B. I-74)

STATION	DISTANCE A	DISTANCE B
154+780.000	2.213	3.600
154+800.000	2.149	3.648
154+825.000	1.934	3.842
154+850.000	1.570	4.186
154+872.711	1.110	4.628
154+875.000	1.058	4.679
154+900.000	0.571	5.145
154+925.000	0.235	5.461
154+950.000	0.047	5.628
154+952.000	0.039	5.634
154+965.422	0.007	5.651
154+970.000	0.000	5.638

DISTANCE A
FROM PROPOSED CENTERLINE
TO EXISTING CENTERLINE
DISTANCE B
FROM W.B. I-74 TO
PROPOSED CENTERLINE

PAVED SHOULDR REMOVAL
STA. 154+780.000 TO
STA. 154+970.000

ALL DIMENSIONS ARE IN METERS (m) EXCEPT AS NOTED

ALL STATIONS INDICATED ARE WESTBOUND STATIONING UNLESS OTHERWISE NOTED.

REVISIONS	
NAME	DATE



DAILY & ASSOCIATES,
ENGINEERS, INC.
PEORIA, ILLINOIS

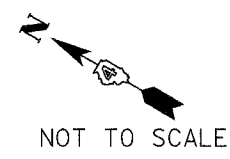
ILLINOIS DEPARTMENT OF TRANSPORTATION
MISCELLANEOUS DETAIL
WESTBOUND LANE
TRANSITION CROSS
SECTIONS DETAIL

DATE 01/07/2005
DRAWN BY
CHECKED BY

01/07/2005 01:21:20 PM
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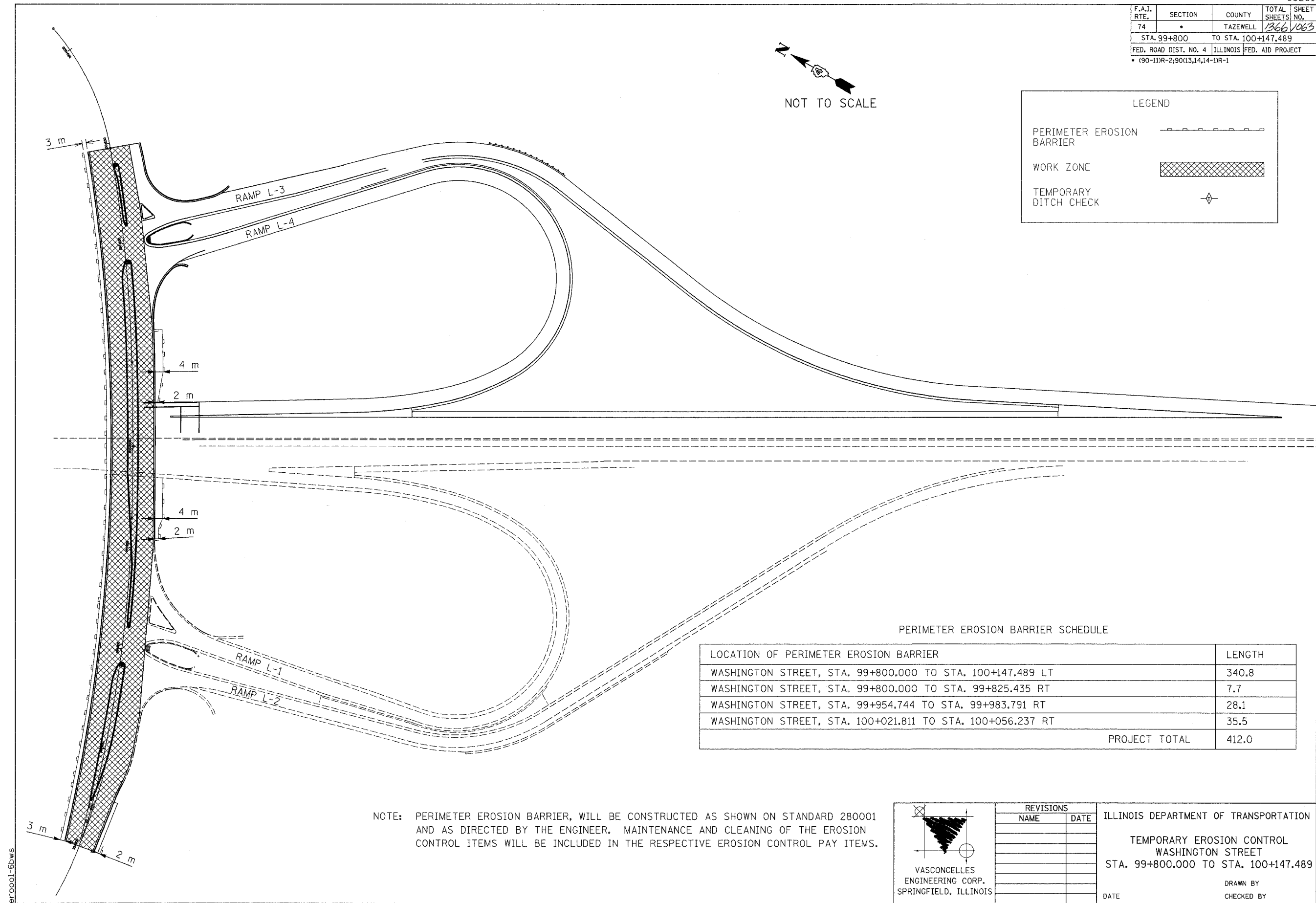
CONTRACT 11: PLAN SET 2 OF 4 FINAL PLANS 01/05

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	*	TAZEWELL	1366	1063
STA. 99+800		TO STA. 100+147.489		
FED. ROAD DIST. NO. 4		ILLINOIS	FED. AID PROJECT	
* (90-11)R-2;90(13,14,14-1)R-1				



NOT TO SCALE

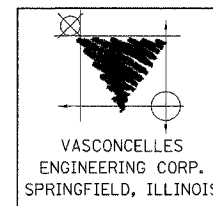
LEGEND	
PERIMETER EROSION BARRIER	
WORK ZONE	
TEMPORARY DITCH CHECK	



PERIMETER EROSION BARRIER SCHEDULE

LOCATION OF PERIMETER EROSION BARRIER	LENGTH
WASHINGTON STREET, STA. 99+800.000 TO STA. 100+147.489 LT	340.8
WASHINGTON STREET, STA. 99+800.000 TO STA. 99+825.435 RT	7.7
WASHINGTON STREET, STA. 99+954.744 TO STA. 99+983.791 RT	28.1
WASHINGTON STREET, STA. 100+021.811 TO STA. 100+056.237 RT	35.5
PROJECT TOTAL	412.0

NOTE: PERIMETER EROSION BARRIER, WILL BE CONSTRUCTED AS SHOWN ON STANDARD 280001 AND AS DIRECTED BY THE ENGINEER. MAINTENANCE AND CLEANING OF THE EROSION CONTROL ITEMS WILL BE INCLUDED IN THE RESPECTIVE EROSION CONTROL PAY ITEMS.



REVISIONS	
NAME	DATE

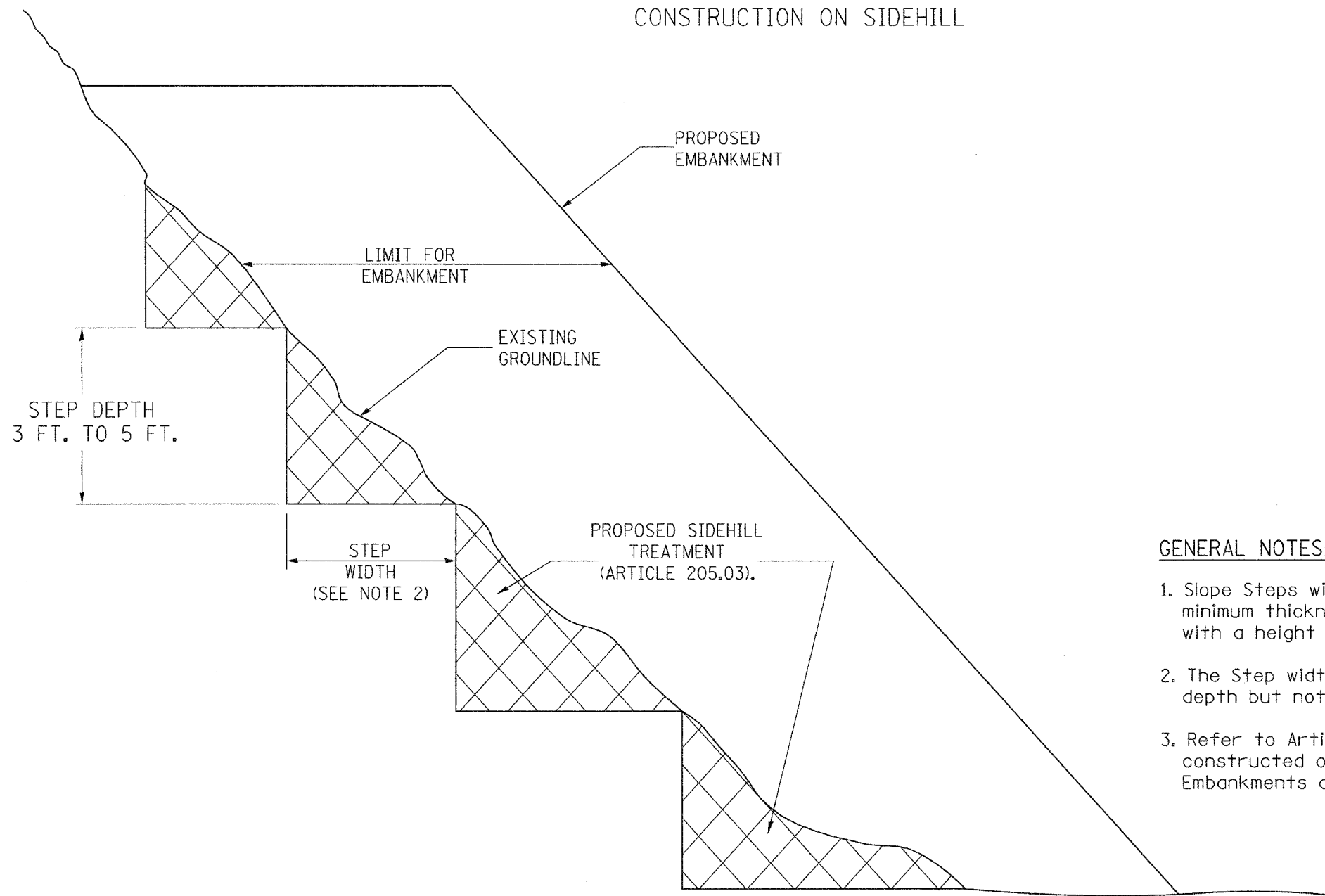
ILLINOIS DEPARTMENT OF TRANSPORTATION
 TEMPORARY EROSION CONTROL
 WASHINGTON STREET
 STA. 99+800.000 TO STA. 100+147.489
 DRAWN BY
 CHECKED BY
 DATE

CONTRACT 16 PLAN SET 2 OF 3 PRE-FINAL 02/02/04 VEC 36 OF 53 JOB NO. T5-001 VASCONCELLES ENGINEERING CORP. DESIGN FIRM REGISTRATION NUMBER 184-002107

010001-6bws

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			1366	1069
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SLOPE STEPS DETAIL TYPICAL CROSS-SECTION EMBANKMENT CONSTRUCTION ON SIDEHILL



GENERAL NOTES:

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

DESIGNER NOTE:
 1. EACH PROJECT SHOULD BE REVIEWED INDEPENDENTLY FOR TREATMENT REQUIRED.
 2. REFER TO THIS DETAIL WITH NOTE ON APPLICABLE TYPICAL SECTIONS.

\$\$\$DATE\$\$\$

REPLACEMENT MATERIAL:



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

SHEET 1 OF 17
All dimensions are in millimeters
(Inches) unless otherwise noted.

ILLINOIS DEPARTMENT OF TRANSPORTATION
DISTRICT CADD STANDARD

DATE	REVISIONS	BY
1-1-97	RENUM. L-5.03, NEW REVISION BOX, REVISED TITLE BOX, REVISED GENERAL NOTES.	T.P.

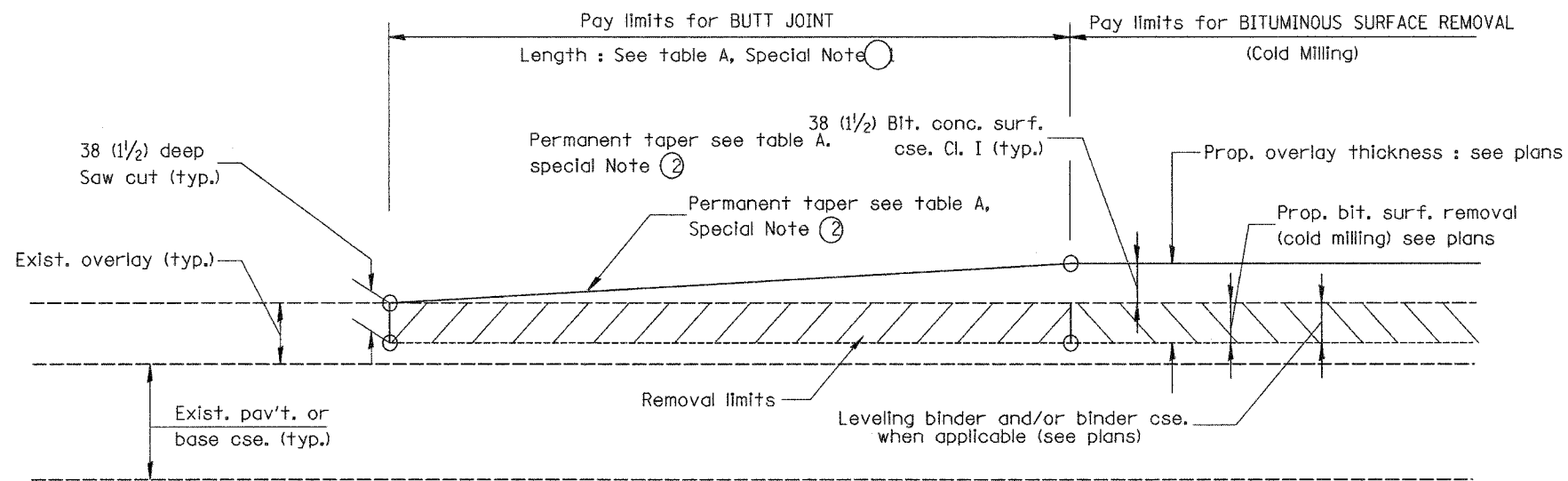
CADD STD. NO. 205001-D4
 SCALE: NOT DRAWN TO SCALE
 DATE \$\$\$DATE\$\$\$

SLOPE STEPS DETAIL

DRAWN BY CADD
CHECKED BY

205001-D4

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			186	1065
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



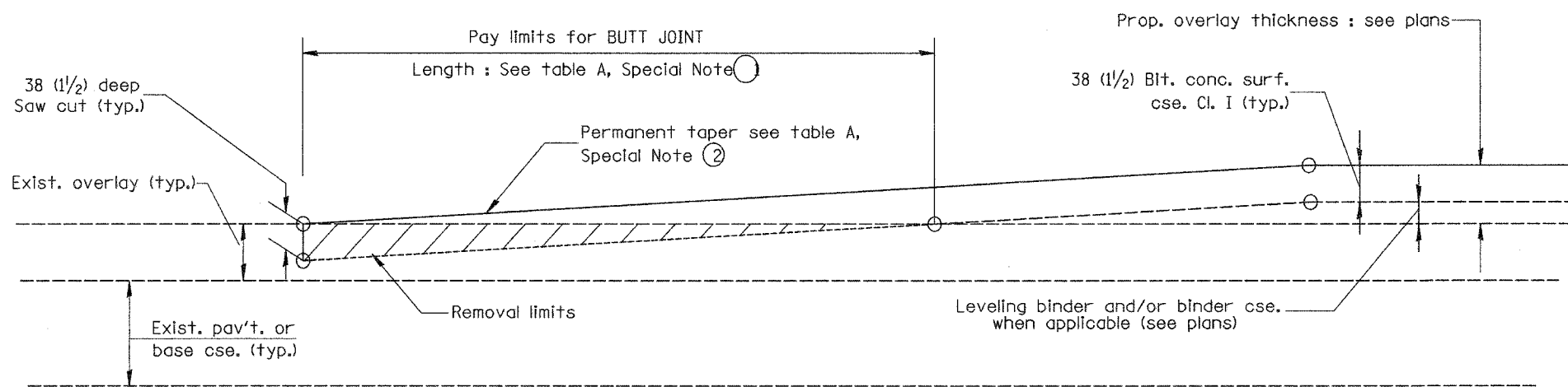
CASE 1 : WITH BITUMINOUS SURFACE REMOVAL (COLD MILLING)

TABLE A
(LENGTHS AND TAPER RATES)

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

GENERAL NOTES

1. The work shall be done in accordance with Article 406.18 and the Special Provision for Butt Joints.
2. The pavement surface to be removed may be either bituminous or P.C. concrete. The work shall be performed in accordance with Article 440.03 and the Special Provisions for Butt Joints.
3. The saw cut joints shall be primed just prior to the placing of bituminous material. The work will be in accordance with the applicable portions of Article 406.06.



CASE 2 : NO BITUMINOUS SURFACE REMOVAL (COLD MILLING)

SHEET 2 OF 17
All dimensions are in millimeters (Inches) unless otherwise noted.

ILLINOIS DEPARTMENT OF TRANSPORTATION
DISTRICT CADD STANDARD

BUTT JOINTS

CADD STD NO. 406101-D4 SHEET 1 OF 2
SCALE: NOT DRAWN TO SCALE DRAWN BY CADD
DATE **DATE** CHECKED BY

DATE	REVISIONS	BY
1-1-97	RENUM. C-23.01, NEW REVISION BOX	T.P.
4-1-97	CORRECTION TO DEPTH	J.A.

406101-D4 (1)

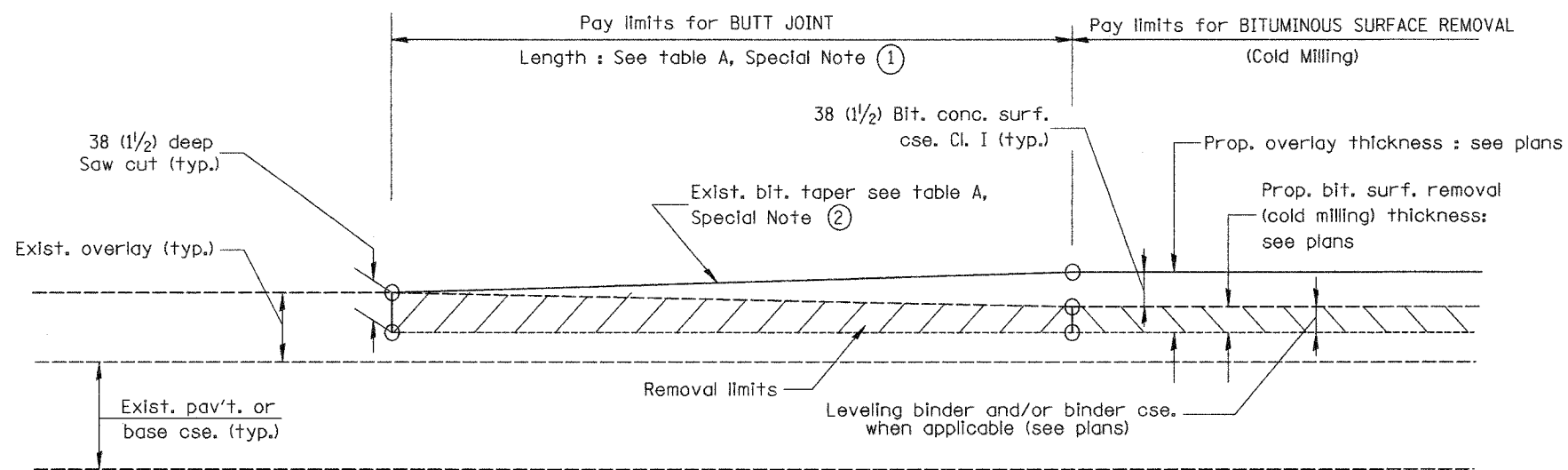
DESIGNER NOTES:
 1. Include District Special Provision for Butt Joints & for Bituminous Surface Removal (Cold Milling).
 2. The butt joints pay item includes the saw cut & temporary ramp. Payment for the Butt Joint applies whether or not the project features Bituminous Surface Removal (Cold Milling).

\$\$\$DATE\$\$\$

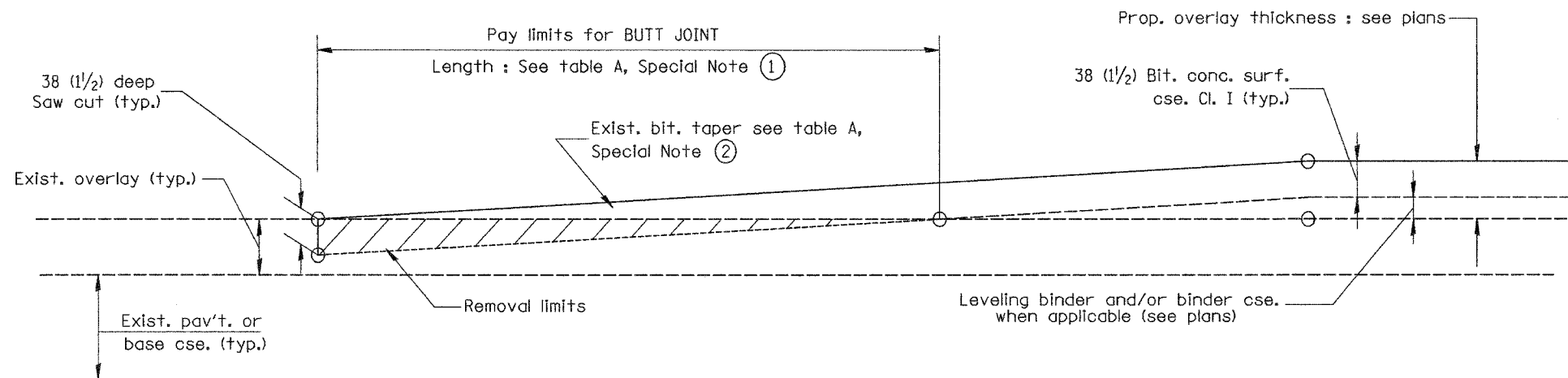
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CONTRACT IN PLAN SET 2 OF 4 FINAL PLANS 1/05

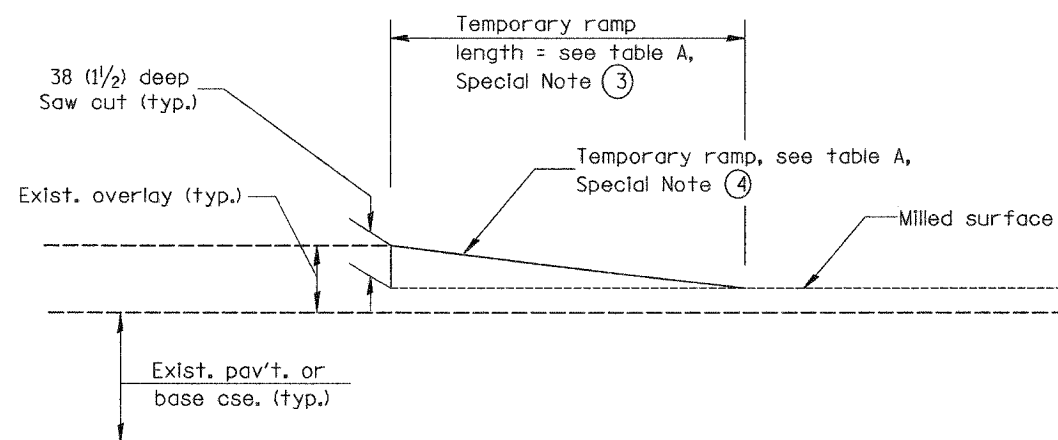
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			1366	066
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



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



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



DETAIL TEMPORARY RAMP

SHEET 3 OF 17
All dimensions are in millimeters (inches) unless otherwise noted.

ILLINOIS DEPARTMENT OF TRANSPORTATION
DISTRICT CADD STANDARD

BUTT JOINTS

CADD STD NO. 406101-D4 SHEET 2 OF 2
SCALE: NOT DRAWN TO SCALE DRAWN BY CADD
DATE **DATE** CHECKED BY

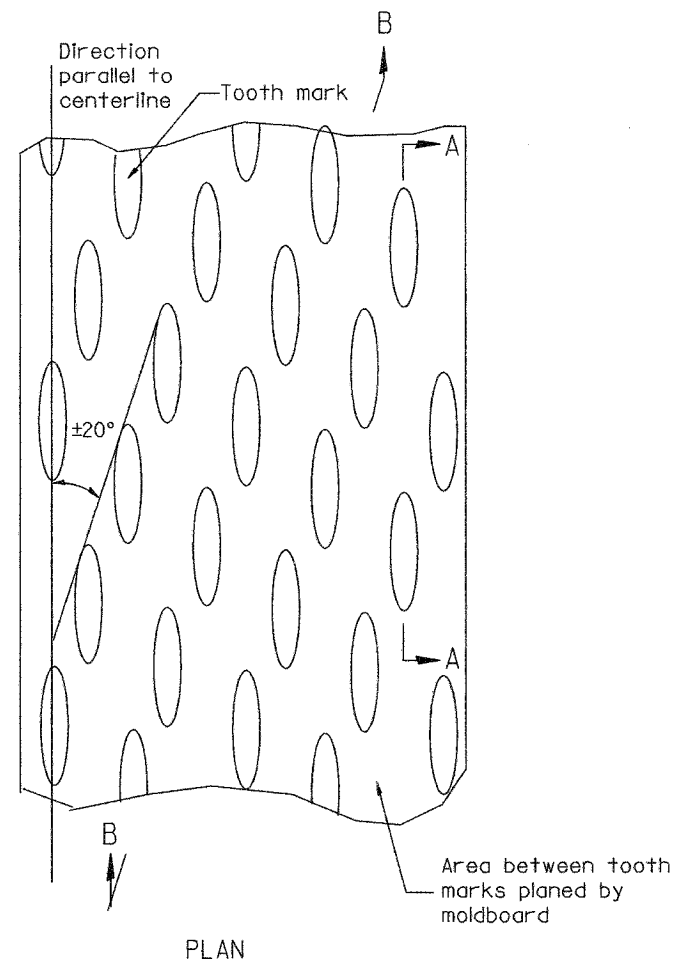
406101-D4 (2)

\$\$\$DATE\$\$\$

DCN-ONLY

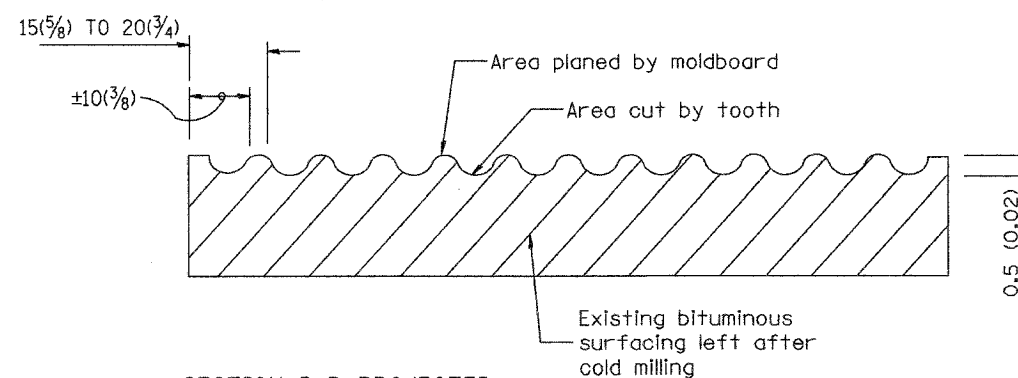
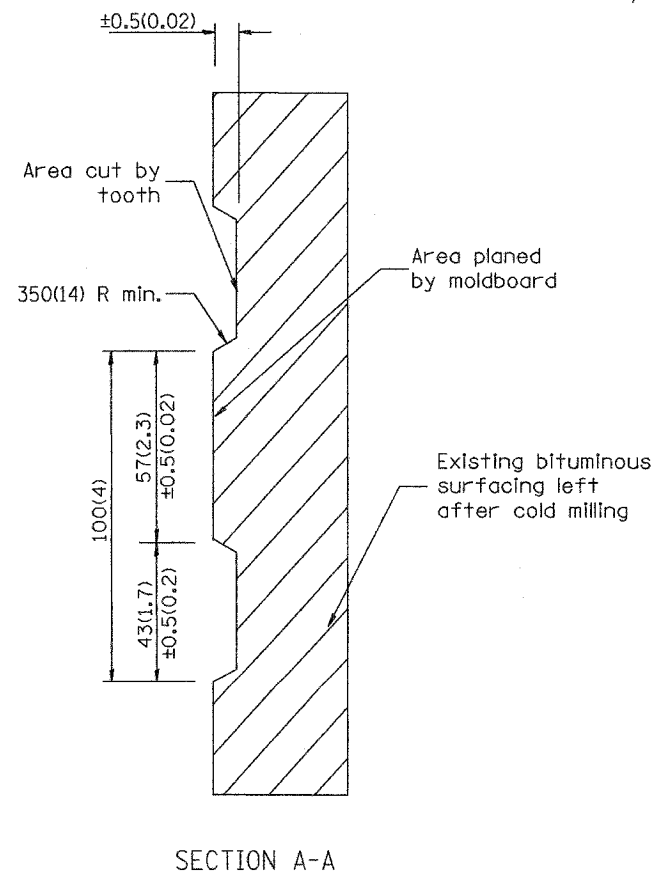
CONTRACT IN PLAN SET 2 OF 4 FINAL PLANS 1/05

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			1366	1067
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



General notes:

1. Coldmilling shall consist of two processes: Cutting with carbide teeth mounted on a rotating drum, and planing with a moldboard mounted immediately behind the cutting drum.
2. Other similar patterns will be acceptable if they consist of a smooth, flat, planed surface interspersed with a pattern of discontinuous longitudinal striations.



DESIGNER NOTE
1. INCLUDE DISTRICT SPECIAL PROVISION, IF APPLICABLE.

##DATE##

DGN-ONLY

SHEET 4 OF 17

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

ILLINOIS DEPARTMENT OF TRANSPORTATION
DISTRICT CADD STANDARD

DATE	REVISIONS	BY
1-1-97	RENUM. C-104.01, NEW REVISION BOX	T. P.
4-20-98	REMOVED MILLING DETAIL FROM STD.	J. N.
9-08-98	CORRECT NOTE LEADER PLACEMENT	R. W.

BITUMINOUS SURFACE REMOVAL
(COLD MILLING)

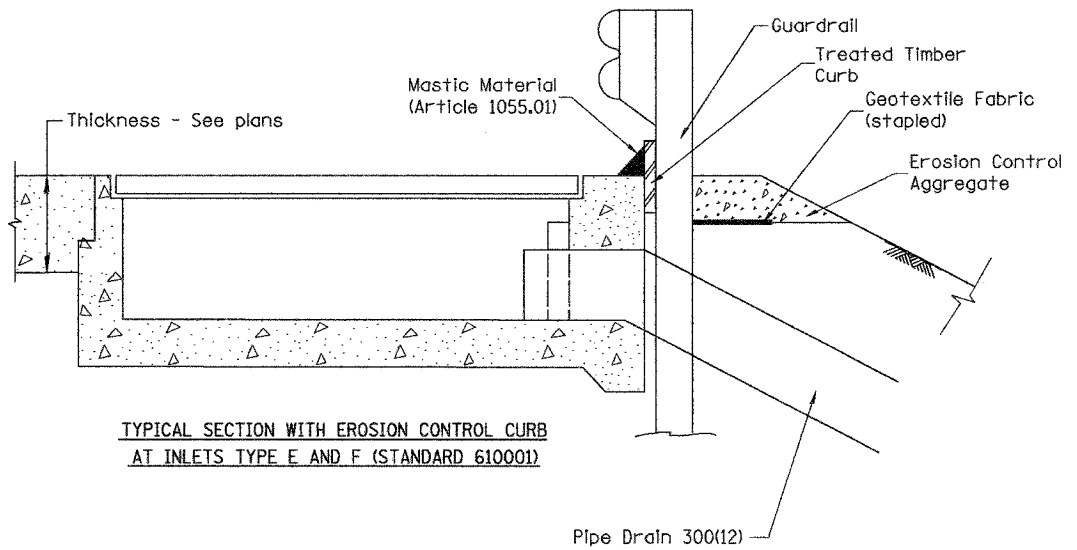
CADD STD NO. 440001-D4
SCALE: NOT DRAWN TO SCALE
DRAWN BY CADD
CHECKED BY

DATE ##DATE##

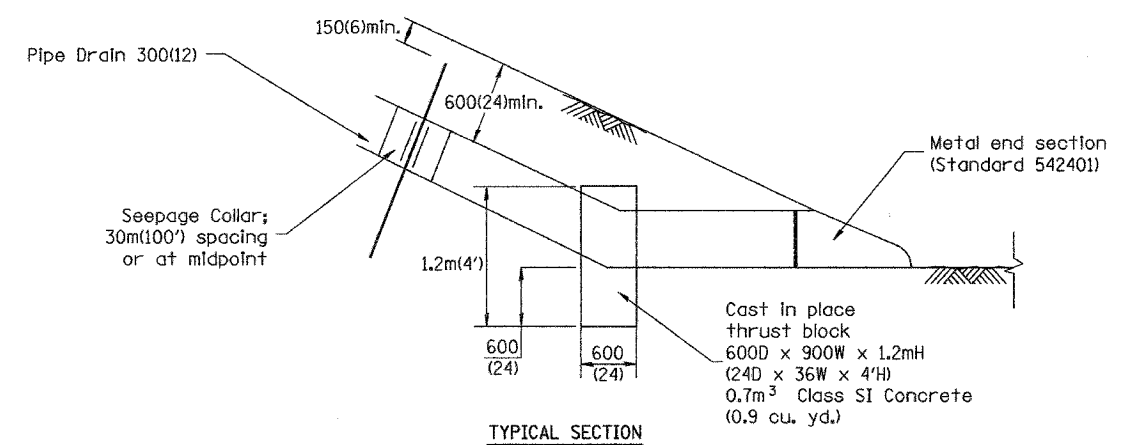
440001-D4

CONTRACT # PLAN SET 2 OF 4 FINAL PLANS 1/05

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			1366	1668
TO STA.				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

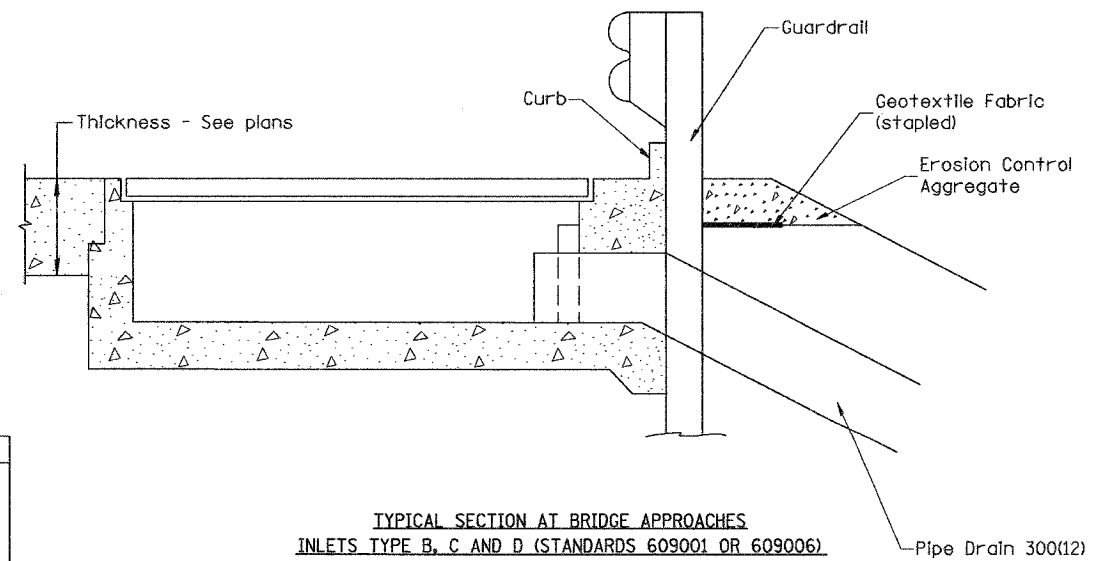


TYPICAL SECTION WITH EROSION CONTROL CURB AT INLETS TYPE E AND F (STANDARD 610001)



GENERAL NOTES

1. The material for Pipe Drains shall be bituminous coated galvanized corrugated steel culvert pipe or bituminous coated corrugated aluminum alloy pipe in accordance with Article 601.02(f) or 601.02(i).
2. An approved mastic material (Article 1055.01) shall be applied to the inside of the connecting bands.



TYPICAL SECTION AT BRIDGE APPROACHES INLETS TYPE B, C AND D (STANDARDS 609001 OR 609006)

DESIGNER NOTE:
 1. INCLUDE STATE STANDARD 542401.
 2. INCLUDE STATE STANDARDS 609001, 609006 OR 610001, IF APPLICABLE
 3. INCLUDE DISTRICT CADD STANDARDS FOR "GUARDRAIL EROSION CONTROL TREATMENTS", "SEEPAGE COLLARS FOR BURIED PIPES", AND "PIPE ELBOW"

QUANTITIES	
CALC. BY: _____	DATE: _____
CHECKED BY: _____	DATE: _____
QUANTITY CALCULATIONS ARE ON FILE AT THE DISTRICT 4 OFFICE; BUREAU OF PROJECT IMPLEMENTATION; DOCUMENTATION SECTION	

DATE

DGN-ONLY

DATE	REVISIONS	BY
1-1-97	RENUM. H-1.04, NEW REVISION BOX, REVISED TITLE BOX, REVISED DESIGNER NOTES, ADDED QUANTITY CALCULATION BOX	T.P.

SHEET 5 OF 17

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

ILLINOIS DEPARTMENT OF TRANSPORTATION
DISTRICT CADD STANDARD

SLOPE DRAIN DETAILS FOR BURIED PIPES

CADD STD. NO. 601101-D4
NOT DRAWN TO SCALE
DRAWN BY CADD

601101-D4

CONTRACT #13 PLAN SET 2 OF 4 FINAL PLANS 1/05

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			1366	1069
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

DESIGNER NOTES: 1. Use with District CADD standards: Slope Drains, Buried Pipe and/or Slope Drains - Exposed Pipe

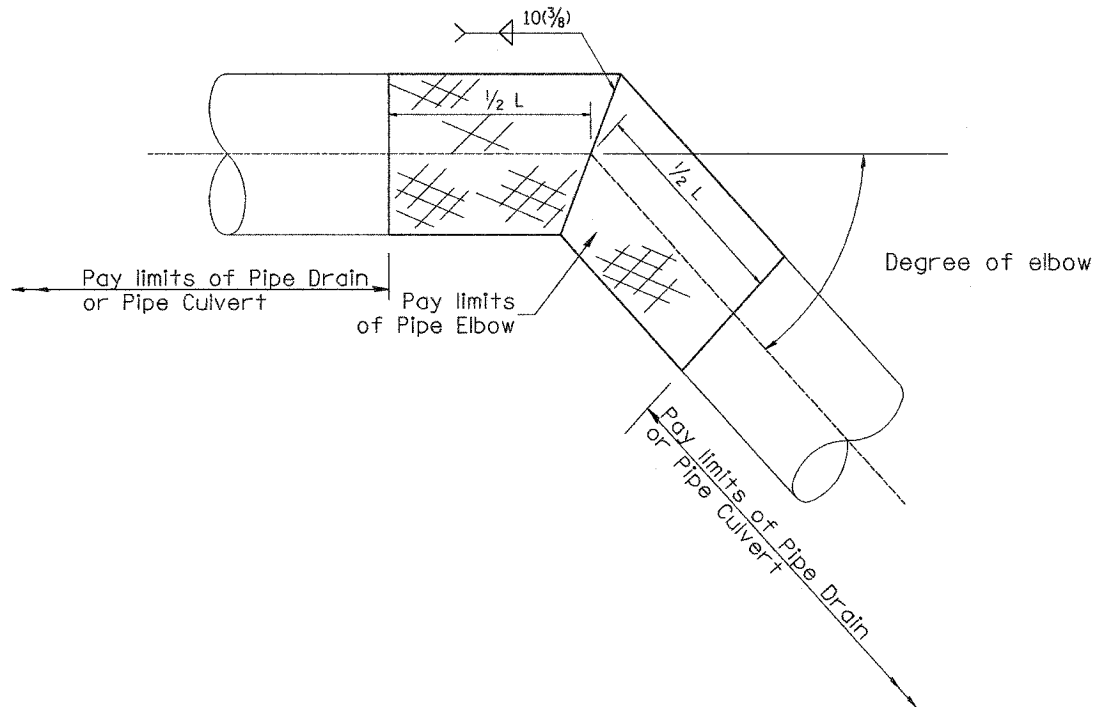
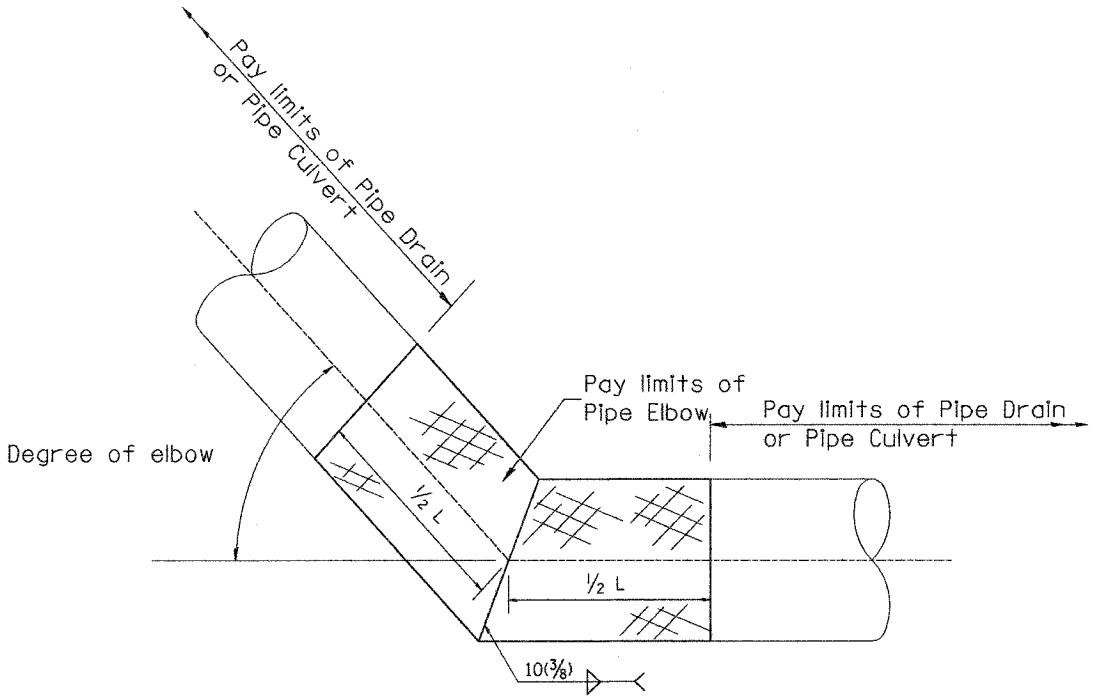


TABLE A		
ELBOW DESIGN CONTROLS		
PIPE DIAMETER	L = Pay limits of Pipe Elbow and minimum length of pipe required for fabrication	
	DEGREE OF ELBOW < 45°	DEGREE OF ELBOW > 46°
300(12)	600(24)	1.22M(4')
375(15)	600(24)	1.22M(4')
450(18)	600(24)	1.22M(4')
525(21)	600(24)	1.22M(4')
600(24)	1.22M(4')	1.22M(4')
750(30)	1.22M(4')	1.83M(6')
900(36)	1.22M(4')	1.83M(6')

TABLE B	
ELBOW DESIGN CONTROLS	
EARTH SLOPE (V:H)	DEGREE OF ELBOW *
1:6	9°
1:4	14°
1:3	18°
1:2	26°
1:1/2	33°

* Approximate - based upon 0.5% inlet and outlet flowlines.



SHEET 6 OF 17
All dimensions are in millimeters (Inches) unless otherwise noted.

ILLINOIS DEPARTMENT OF TRANSPORTATION
DISTRICT CADD STANDARD

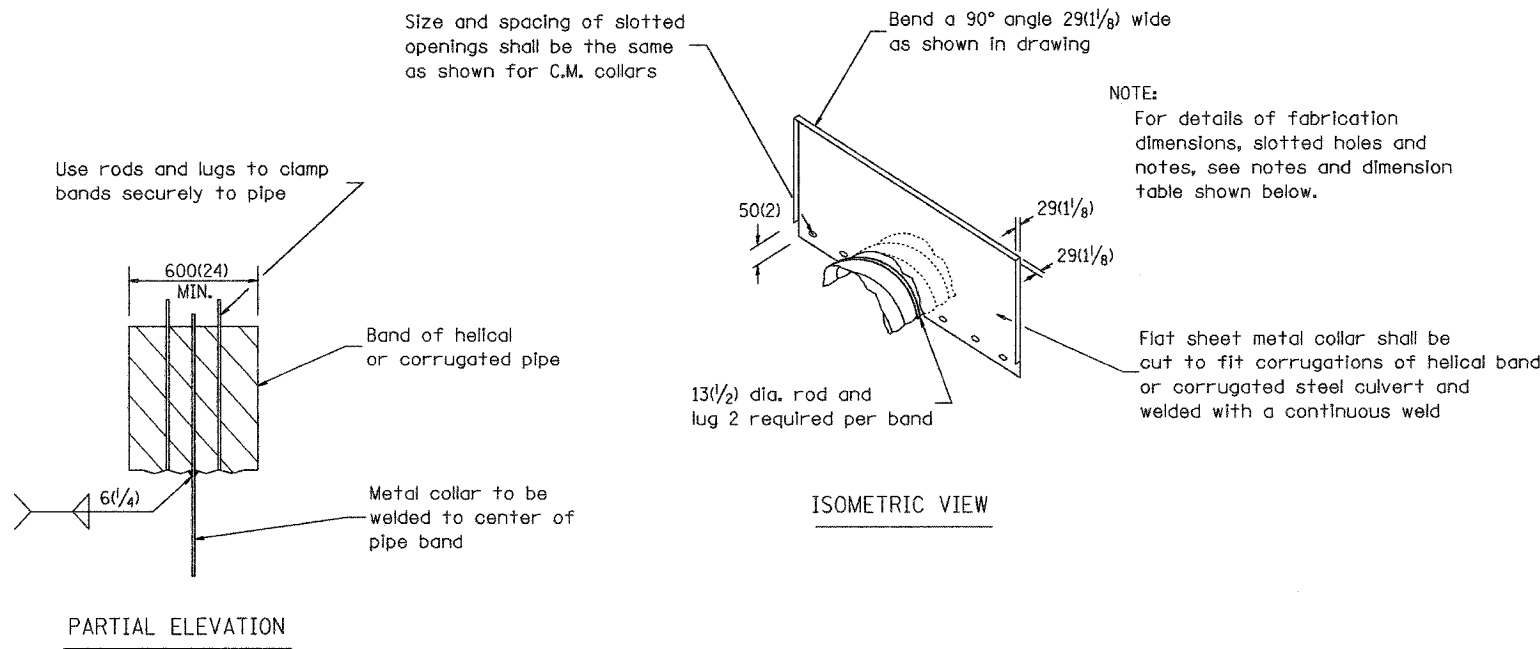
DATE	REVISIONS	BY
1-1-97	RENUM. J-11.05, NEW REVISION BOX, REVISED TITLE BOX	T.P.

PIPE ELBOW
CADD STD. NO. 601301-D4
SCALE: NOT DRAWN TO SCALE DRAWN BY CADD
DATE **DATE** CHECKED BY

601301-D4

CONTRACT # PLAN SET 2 OF 4 FINAL PLANS 1/05

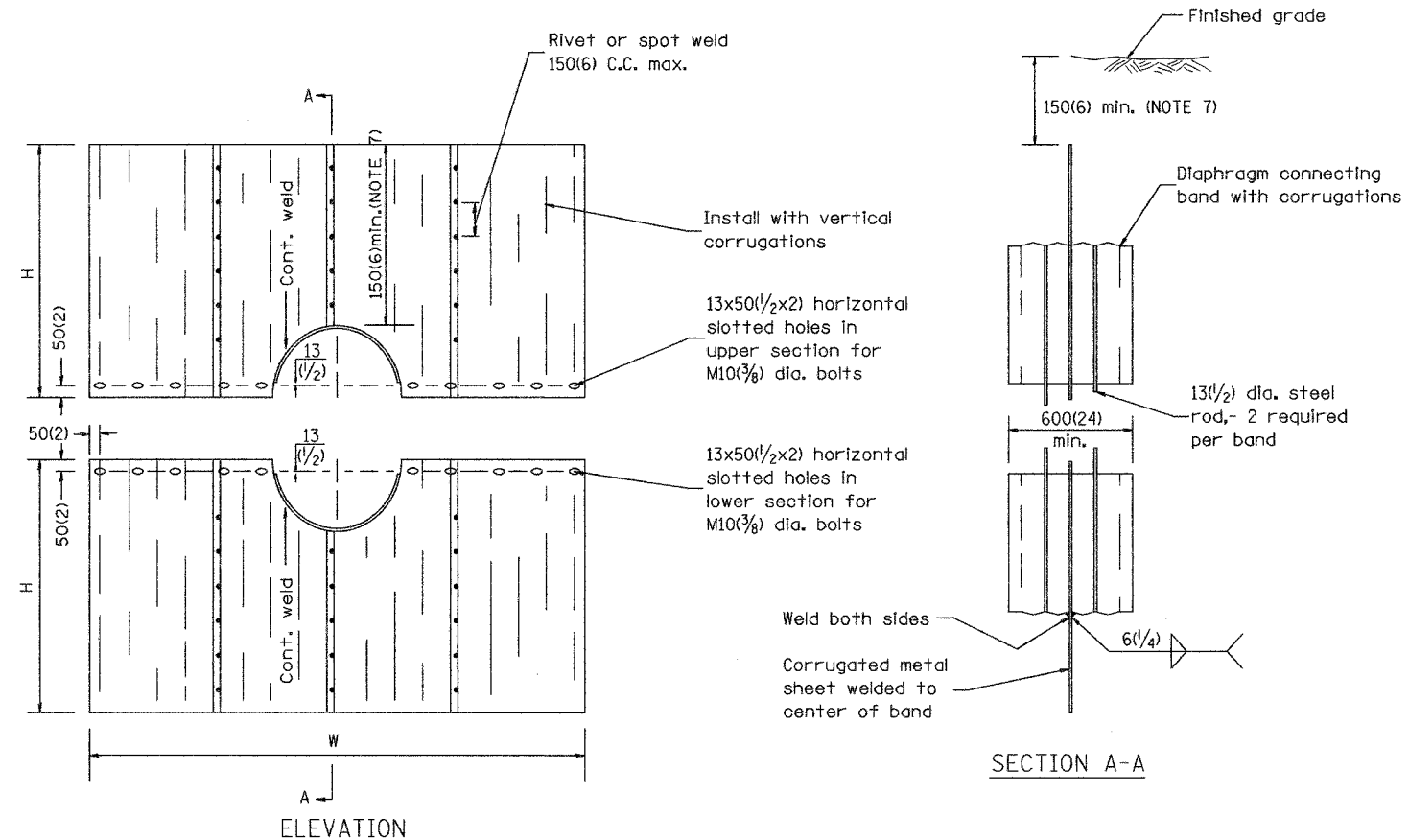
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			1366	1070
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			



DETAILS OF CORRUGATED PIPE COLLAR

NOTES FOR COLLARS:

1. Materials and coatings for all collars shall be the same as that specified for the pipe.
2. Collars shall be shop fabricated, assembled and marked by painting to identify matching half sections of each collar.
3. The laps between the half sections and between the pipe and connecting bands shall be caulked with fiberized asphalt mastic at the time of installation.
4. All tank lugs, rods, and nuts shall be galvanized steel. Where aluminum collars are used, The rods and lugs shall be separated from the aluminum bands. By at least two (2) layers of 50(2) wide plastic tape with a total thickness of 2 1/4 mils or more.
5. The collars shall be welded to the connecting bands as shown on the drawings, all welds shall be treated as specified for class I, II, and III welds, miscellaneous. (Refer to AWS Standard Specifications)
6. Bands shall be fabricated from material having the same class of corrugations as the pipe to which it is to be attached.
7. Upper half of sheet may be cut shorter to provide 150(6) min. earth cover.



DETAILS OF SEEPAGE COLLAR

SEEPAGE COLLAR DIMENSION TABLE

PIPE DIAMETER	NOMINAL COLLAR SIZE	FABRICATIONS DIMENSIONS	
		W(WIDTH)	H(HEIGHT)
300(12) 375(15), 450(18) 525(21), 600(24)	2.4m x 1.8m (8' x 6')	2.44m (8'-0")	966(38)
675(27) 750(30)	2.4m x 2.1m (8' x 7')	2.44m (8'-0")	1.12m (3'-8")
900(36), 1050(42) 1200(48)	3.0m x 2.1m (10' x 7')	3.05m (10'-0")	1.12m (3'-8")

Collar dimensions shown may be increased to allow fabrication from standard size sheets.

SEEPAGE COLLAR SPACING	
Less than 600(24) pipe:	30m (100') spacing or midpoint
Equal to or greater than 600(24) pipe:	24m (80') spacing or midpoint

DATE	REVISIONS	BY
1-1-97	RENUM. J-10.02, NEW REVISION BOX, REVISED TITLE BOX, REVISED DESIGNER	T.P.
	NOTES	

SHEET 7 OF 17
All dimensions are in millimeters (Inches) unless otherwise noted.

ILLINOIS DEPARTMENT OF TRANSPORTATION
DISTRICT CADD STANDARD

DETAILS OF SEEPAGE COLLARS FOR BURIED PIPES

CADD STD. NO. 601401-D4
SCALE: NOT DRAWN TO SCALE
DRAWN BY CADD
CHECKED BY

DATE ##DATE##

DESIGNER NOTES:
1. USE WITH DISTRICT CADD STANDARD: "SLOPE DRAIN FOR BURIED PIPES"
2. ADD DISTRICT SPECIAL PROVISION.

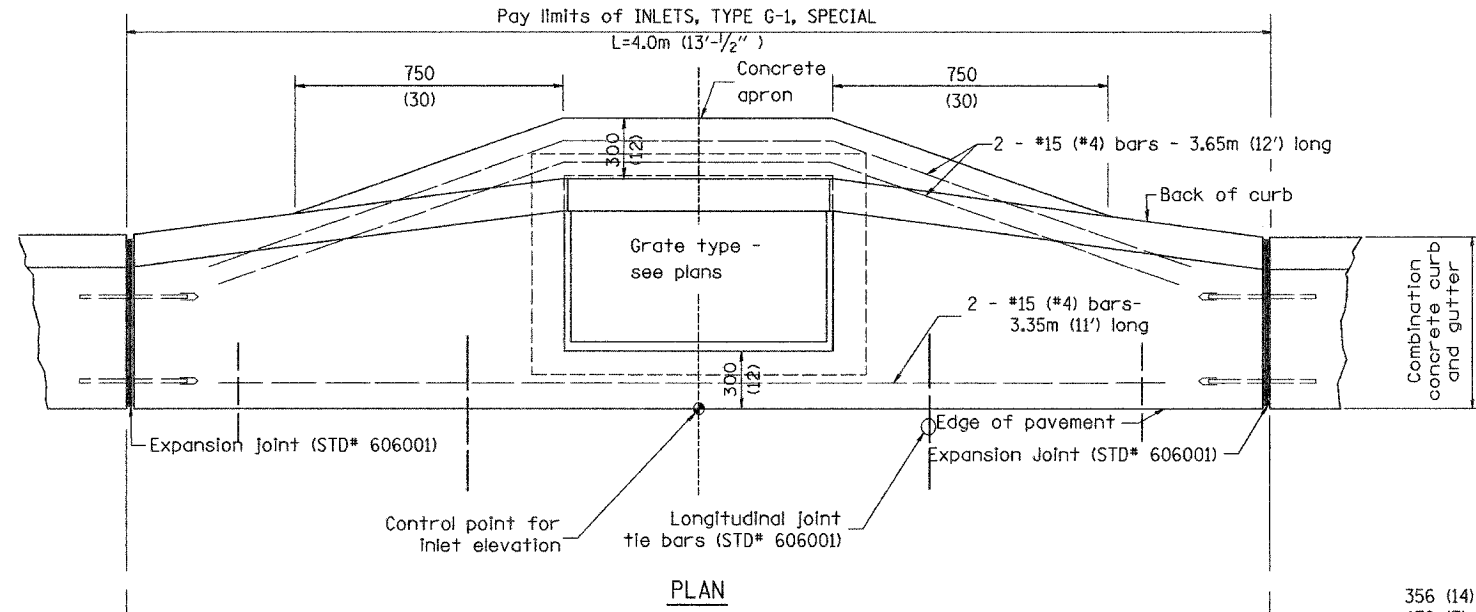
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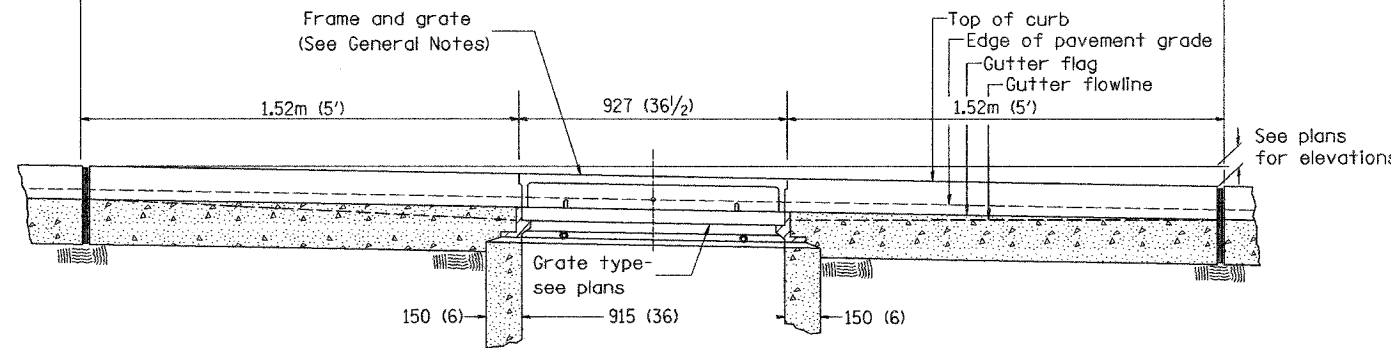
601401-D4

CONTRACT # PLAN SET 2 OF 4 FINAL PLANS 1/05

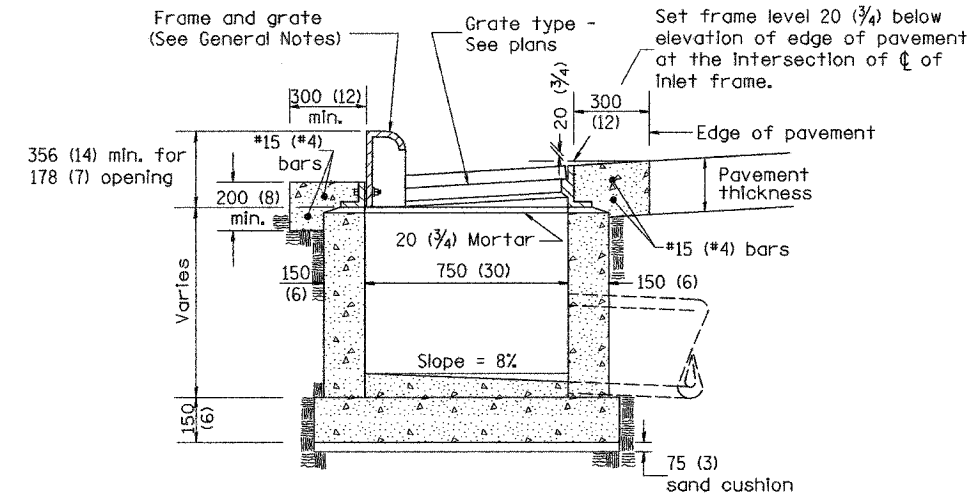
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			1266	1071
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



PLAN



ELEVATION (FRONT)



ELEVATION (SIDE)

GENERAL NOTES

1. Inlet construction shall be in accordance with Section 602 of the Standard Specifications.
2. Combination Concrete Curb and Gutter shall be constructed in accordance with Section 606 of the Standard Specifications.
3. See District CADD Standard 604001-D4 for frame and grates.

DESIGNER NOTES: 1. Include State Standard 606001 for combination concrete curb and gutter details.
 2. Include State Standard 420001 for pavement joints.
 3. Include District CADD Standard for frame and grates.
 4. Include District Special Provision. Pay Item includes transitional c.c. & g., inlet and frame and grate. All work within pay limits.
 5. Specify grate type in plans.
 \$\$\$DATE\$\$

DGN-DNLY

SHEET 8 OF 17
 All dimensions are in millimeters (Inches) unless otherwise noted.

ILLINOIS DEPARTMENT OF TRANSPORTATION
 DISTRICT CADD STANDARD

DATE	REVISIONS	BY
1-1-97	RENUM. B-4.02, NEW REVISION BOX	
12-1-98	CORRECT E. O. P. NOTE	J.A.
10-99	REVISION TO GENERAL NOTES	J.A.

**INLETS, TYPE G-1,
 SPECIAL**

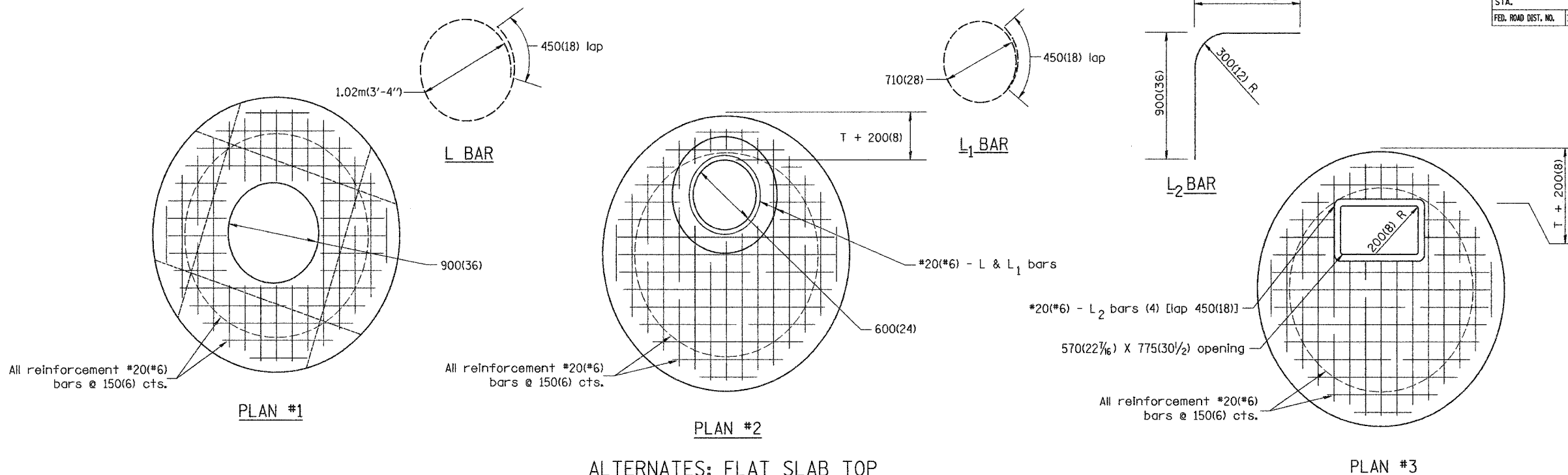
CADD STANDARD 602006-D4
 SCALE NOT TO SCALE
 DATE \$\$\$DATE\$\$\$

DRAWN BY CADD
 CHECKED BY

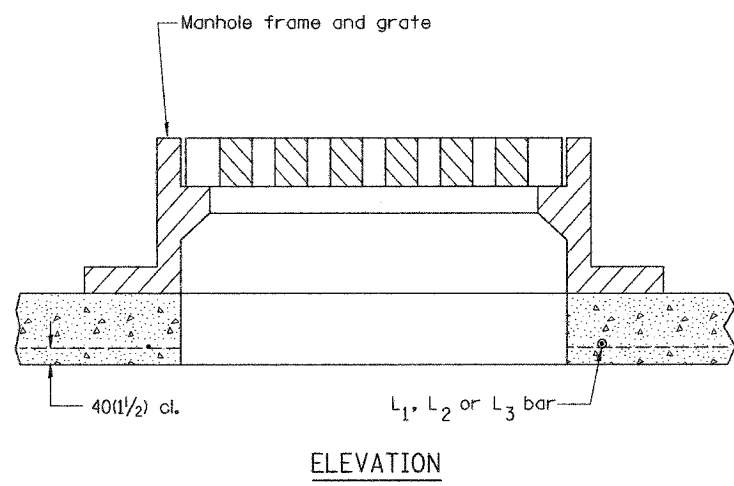
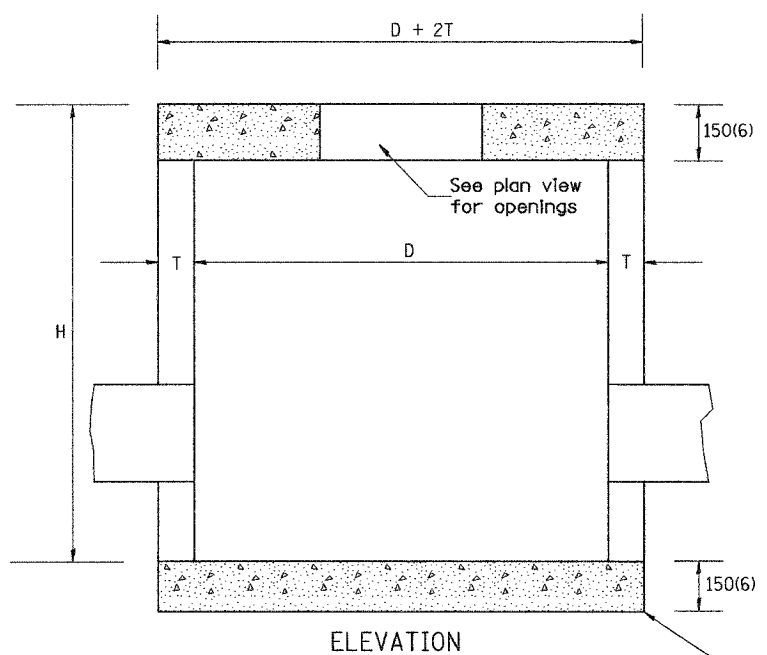
602006-D4

CONTRACT 112 PLAN SET 2 OF 4 FINAL PLANS 1/05

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			1266	1072
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



ALTERNATES: FLAT SLAB TOP

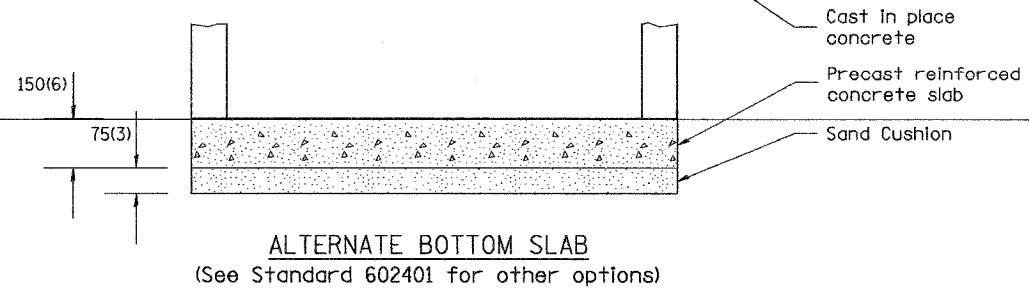


ALTERNATE MATERIALS FOR WALLS	D	T (min.)
CONCRETE MASONRY UNITS	1.2m (4')	125 (5)
	1.5m (5')	125 (5)
BRICK MASONRY	1.2m (4')	200 (8)
	1.5m (5')	200 (8)
PRECAST REINFORCED CONCRETE RISERS	1.2m (4')	100 (4)
	1.5m (5')	125 (5)
CAST-IN-PLACE CONCRETE	1.2m (4')	150 (6)
	1.5m (5')	150 (6)

NOTES

1. Manhole construction shall be in accordance with Section 602 of the Standard Specifications.
2. See Standards 602401 and 602406 for invert details and optional construction details.
3. See Standards 602701 for cast iron steps.

DESIGNER NOTE:
 1. INCLUDE STD* 602401 (MANHOLE, TYPE A), AND STANDARD 602406 (MANHOLE TYPE A 1800mm (72") DIAMETER).
 2. INCLUDE STANDARD 602701 (CAST IRON STEPS).
 3. INCLUDE DISTRICT SPECIAL PROVISION, PAY ITEM INCLUDES MANHOLE, FLAT SLAB TOP, AND FRAME, AND GRATE.
 4. SPECIFY FRAME AND GRATE AND INCLUDE STANDARD/S.



ALTERNATE BOTTOM SLAB
 (See Standard 602401 for other options)

SHEET 9 OF 17

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

ILLINOIS DEPARTMENT OF TRANSPORTATION
 DISTRICT CADD STANDARD

MANHOLE, SPECIAL

CADD STANDARD 602501-D4
 SCALE NOT TO SCALE
 DATE ##DATE##

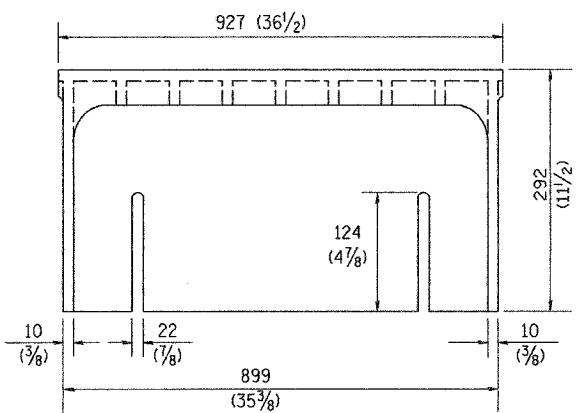
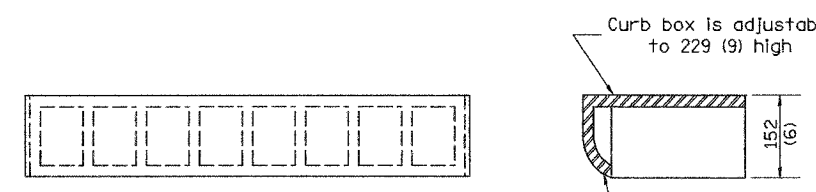
DRAWN BY CADD
 CHECKED BY

DATE	REVISIONS	BY
1-1-97	RENUM. B-6.03, NEW REVISION BOX	T.P.

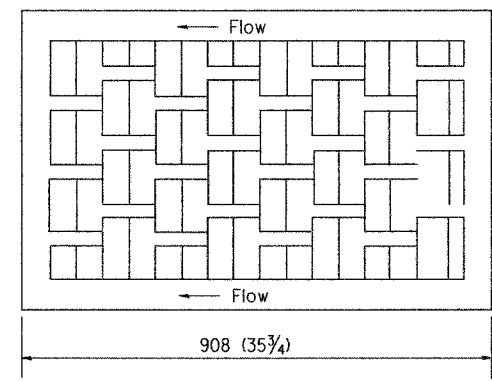
602501-D4

CONTRACT # PLAN SET 2 OF 4 FINAL PLANS 7/05

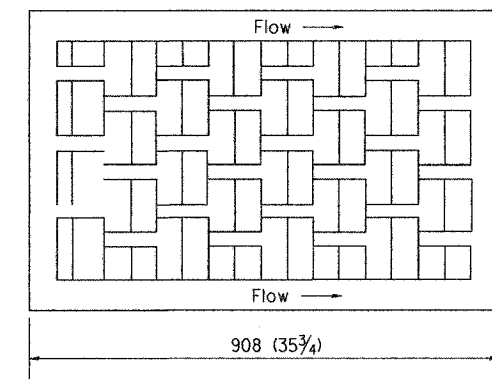
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			1366	1073
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



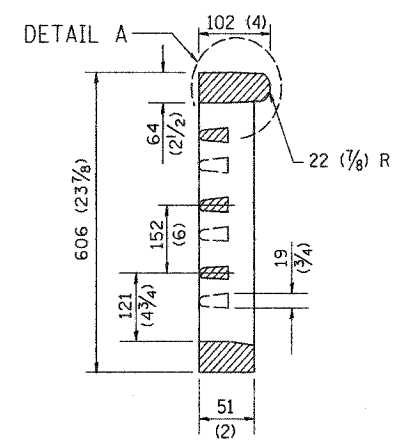
CAST CURB BOX
50 kg (110 lbs.)



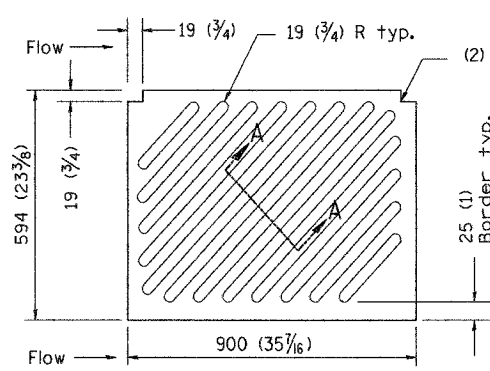
FLOW LEFT



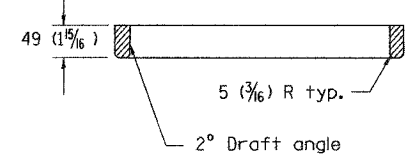
FLOW RIGHT



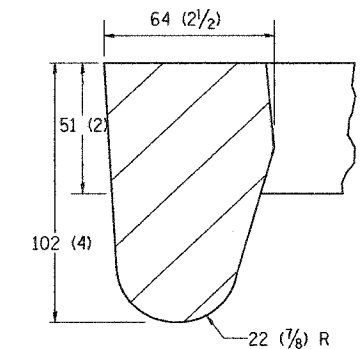
CAST VANE GRATES
(SPECIFY LEFT OR RIGHT FLOW)
104 KG (230 lbs.)



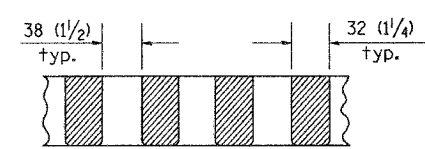
NOTE: Flow right shown



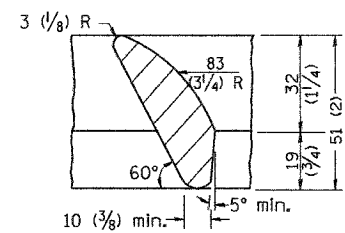
CAST DIAGONAL GRATE
(Reversible for flow)
98 kg (217 lbs.)



DETAIL A



SECTION A-A



DETAIL B

GENERAL NOTES

1. The frame and grate shown on this drawing are for use with all TYPE G-1 and TYPE G-1, SPECIAL DRAINAGE STRUCTURES. See plans for grate type and flow direction.
2. Flow direction: As viewed from street side.
3. Material: cast gray iron.

DATE	REVISIONS	BY
1-1-97	RENUM. B-10.01, NEW REVISION BOX	T.P.

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

ILLINOIS DEPARTMENT OF TRANSPORTATION
DISTRICT CADD STANDARD
FRAME AND GRATES FOR TYPE G-1 AND TYPE G-1, SPECIAL DRAINAGE STRUCTURES
CADD STANDARD 604001-D4
SCALE NOT TO SCALE
DATE **DATE**

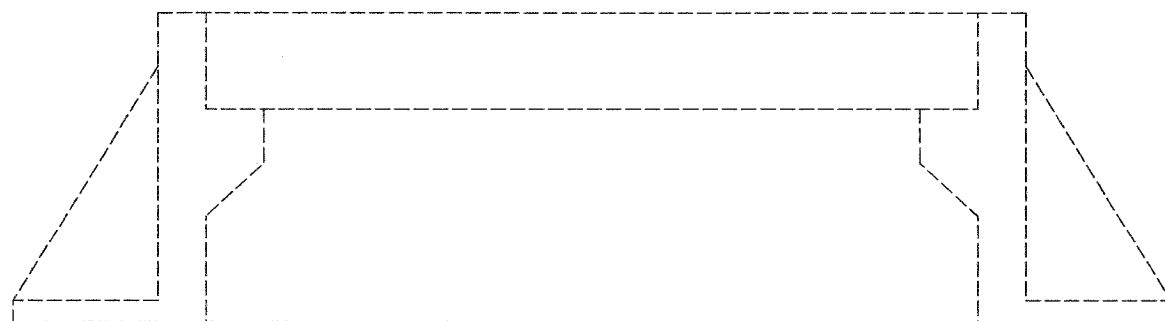
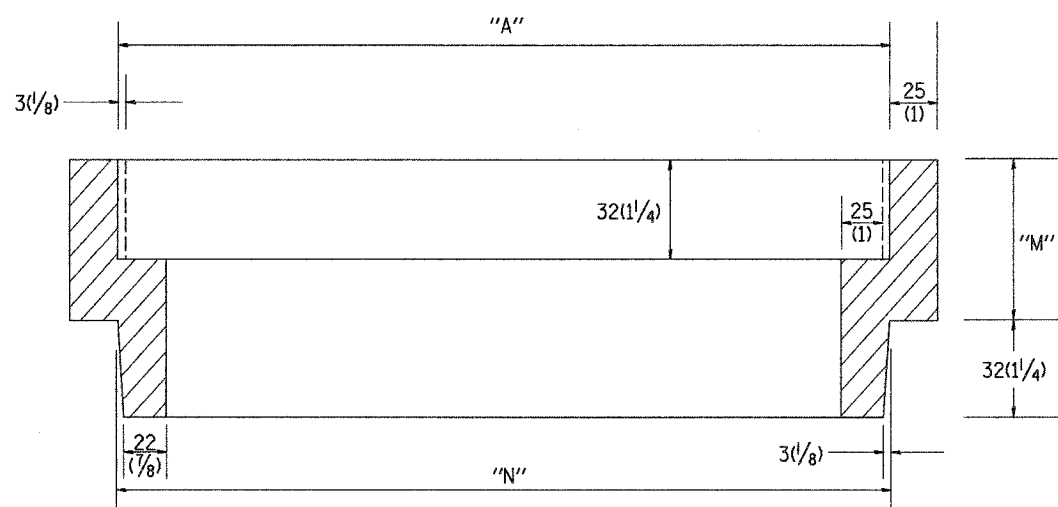
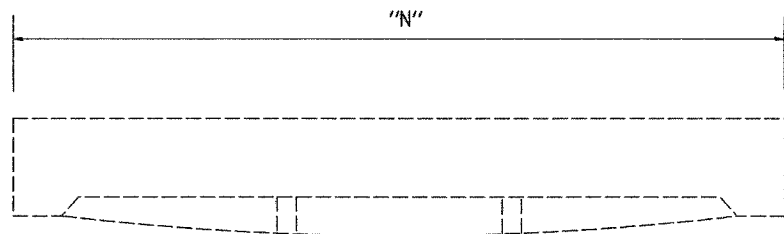
DRAWN BY CADD
CHECKED BY

DESIGNER NOTES:
1. Include this standard with all Type G-1 and Type G-1, Special Drainage Structures.
2. Specify grate types and flow directions in plans.
3. These castings are included in the cost of the drainage structures as per District Special Provision.
4. This drawing based upon "NEENAH" designs as follows:
Inlet Frames: R-3246-A, Curb Box: R-3290
Reversible Diagonal Grate: R-3246-A
Vane Grates: R-3246-AL (flow left) R-3246-AL (flow right)

***DATE**

•DGN-ONLY•

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			2366	1074
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



Structure Number	Station	Dimension millimeters (inches)			Quantity
		"A"	"N"	"M"	
2	99+838.799	584	578	20	
6	99+891.949	584	578	145	
9	99+944.994	584	578	140	
16	100+048.532	584	578	109	
19	100+092.041	584	578	152	
22	100+123.929	584	578	64	
24	100+139.995	584	578	67	
1	99+836.468	565	559	116	
7	99+892.021	565	559	127	
10	99+944.999	565	559	138	
11	99+964.036	565	559	99	
15	100+048.040	565	559	193	
17	100+052.709	565	559	152	
20	100+092.104	565	559	127	
Total					

General Notes:

- Article 603.08 shall apply

SHEET 11 OF 17

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

ILLINOIS DEPARTMENT OF TRANSPORTATION

SPECIAL DETAIL SHEET

FRAME & GRATE
ADJUSTING RING

CADD STD# 604201-D4

SCALE NOT TO SCALE

DATE **DATE**

DRAWN BY CADD

CHECKED BY: T. PICKERING

DATE	REVISIONS	BY
1-1-97	RENUM. B-6.01, NEW REVISION BOX	T.P.

604201-D4

DATE

DGN-ONLY

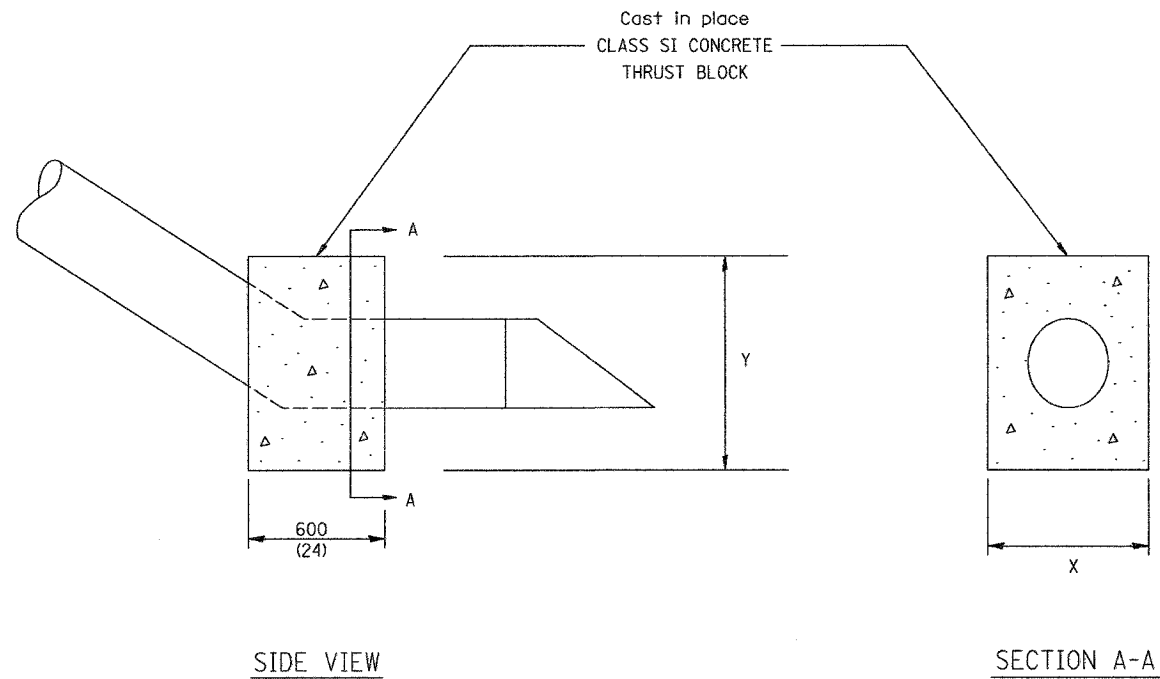
CONTRACT # PLAN SET 2 OF 4 FINAL PLANS 7/05

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			1366	1075
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

DESIGNER NOTES:
 1. A THRUST BLOCK SHALL BE INSTALLED WHEN THE DIFFERENCE BETWEEN THE UPSTREAM AND DOWNSTREAM INVERT ELEVATIONS EXCEEDS 900(36) AND GRADE EXCEEDS 10%.
 USE WITH DISTRICT CADD STANDARDS; "DITCH CHECK, IF NEEDED. DO NOT USE WITH DISTRICT CADD STANDARDS;
 2. "SLOPE DRAIN DETAILS FOR BURIED PIPE" "SLOPE DRAIN DETAILS FOR EXPOSED PIPE".

CONCRETE THRUST BLOCK
 BILL OF MATERIALS

PIPE SIZE	X	Y	CLASS SI CONCRETE m ³ (cu. yd.)
300(12)	600(24)	600(24)	0.2(0.2)
375(15)	675(27)	675(27)	0.2(0.3)
450(18)	750(30)	750(30)	0.2(0.3)
600(24)	900(36)	900(36)	0.3(0.4)
750(30)	1.07m (3'-6")	1.07m (3'-6")	0.6(0.8)



The contract unit price each for CONCRETE THRUST BLOCK shall include the cost of excavation, CLASS SI CONCRETE and compacted backfill.

QUANTITIES	
CALC. BY: _____	DATE: _____
CHECKED BY: _____	DATE: _____

QUANTITY CALCULATIONS ARE ON FILE AT THE DISTRICT 4 OFFICE; BUREAU OF PROJECT IMPLEMENTATION; DOCUMENTATION SECTION

***DATE**

DGN-ONLY

DATE	REVISIONS	BY
1-1-97	RENUM. J-10.04, NEW REVISION BOX, ADDED QUANTITY CALCULATION BOX.	T.P.

SHEET 12 OF 17
 All dimensions are in millimeters (Inches) unless otherwise noted.

ILLINOIS DEPARTMENT OF TRANSPORTATION
 DISTRICT CADD STANDARD

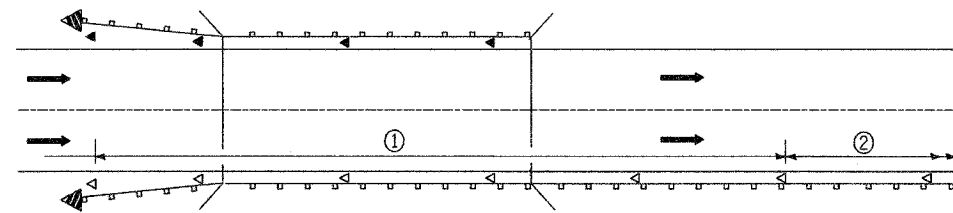
CONCRETE THRUST BLOCKS

CADD STD. NO. 609001-04
 SCALE: NOT DRAWN TO SCALE
 DATE ***DATE**
 DRAWN BY: CADD
 CHECKED BY:

609001-D4

CONTRACT 11 PLAN SET 2 OF 4 FINAL PLANS 1/05

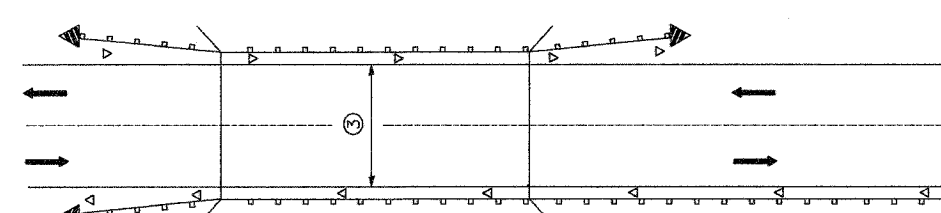
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			1366	1076
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



① Spacing 24 m (80 ft.) max. for first 122 m (400 ft.) or curve spacing shown in Standard 635001, whichever is less (min. 4 reflectors regardless of length).

② After 122 m (400 ft.), transition to normal delineator spacing shown in Standard 635001, and continue as required.

ONE-WAY TRAFFIC



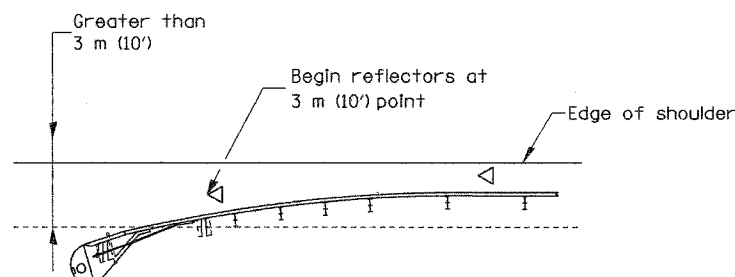
③ Bidirectional silver/amber should be used in lieu of monodirectional silver on both sides of two-lane bridges where the bridge pavement is less than 610 (24) wider than the pavement approaching the bridge.

TWO-WAY TRAFFIC

GUARDRAIL / BARRIER WALL / BRIDGE RAIL REFLECTORS

LEGEND

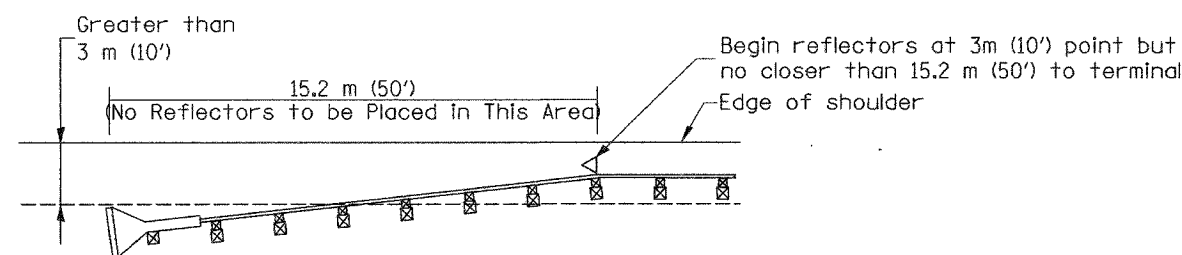
- ◁ Monodirectional silver
- ◄ Monodirectional amber
- ▴ Terminal Marker - Black/Yellow
Left or Right as appropriate



NOTE: Omit terminal marker when terminal over 3 m (10') from edge of paved shoulder or break point of unpaved shoulder, or when terminal buried in backslope.

Traffic Barrier Terminal Type(*) and/or Turned-Down Terminal

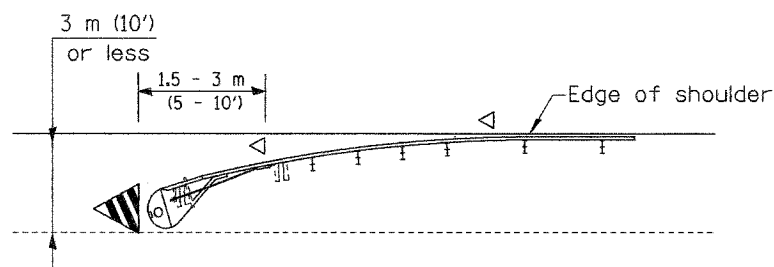
[Terminal over 3 m (10') from edge of shoulder]
*See Plans for Type



NOTE: Omit terminal marker when terminal over 10' from edge of paved shoulder or break point of unpaved shoulder.

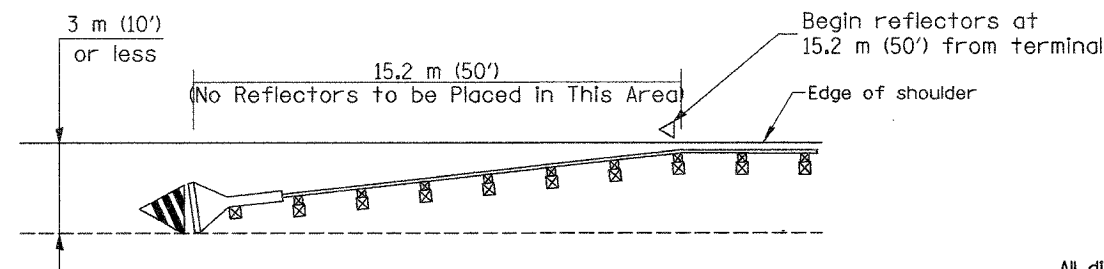
Traffic Barrier Terminal Type 1 (Special)

[Terminal over 3 m (10') from edge of shoulder]



Traffic Barrier Terminal Type(*) and/or Turned-Down Terminal

[Terminal over 3 m (10') or less from edge of shoulder]
*See Plans for Type



Traffic Barrier Terminal Type 1 (Special)

[Terminal 3 m (10') or less from edge of shoulder]

TERMINAL MARKER PLACEMENT

SHEET 13 OF 17

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

ILLINOIS DEPARTMENT OF TRANSPORTATION
DISTRICT CADD STANDARD

GUARDRAIL AND BARRIER WALL DELINEATION

CADD STD. NO. 635101-D4 SHEET 1 OF 3
SCALE: NOT DRAWN TO SCALE DRAWN BY CADD
DATE **DATE** CHECKED BY

DATE	REVISIONS	BY
1-1-97	RENUM. E-10.02, NEW REVISION BOX	T.P.
3-1-97	CORRECT STD. SPEC. *	J.A.

635101-D4 (1)

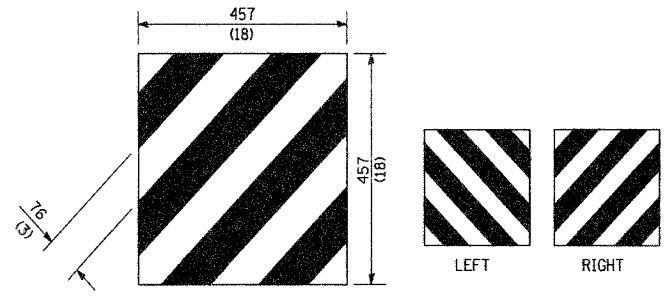
DESIGNER NOTE: 1. INCLUDE APPROPRIATE SPECIAL PROVISIONS FOR "GUARD RAIL DELINEATION POLICY, 1. TERMINAL MARKER, 2. TERMINAL MARK POST, AND 3. GUARDRAIL AND BARRIER WALL MARKERS." FROM INTERIM SPECIAL PROVISIONS 34-74; "GUARDRAIL AND BARRIER WALL DELINEATION." 2. IF POST MOUNT TERMINAL MARKER IS USED, INCLUDE STATE STD. 720011.

\$\$\$DATE\$\$\$

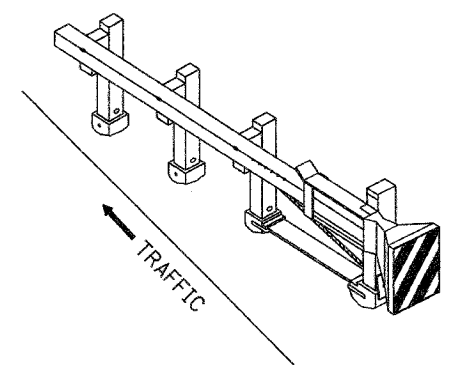
DGN-ONLY

CONTRACT IN PLAN SET 2 OF 4 FINAL PLANS 705

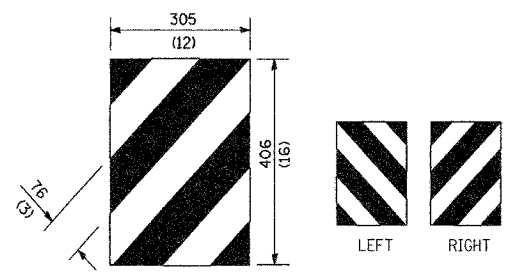
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			1366	1077
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



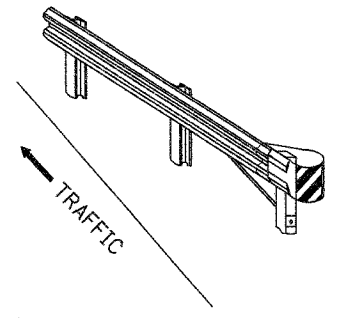
For Traffic Barrier Terminal Type 1 (Special)



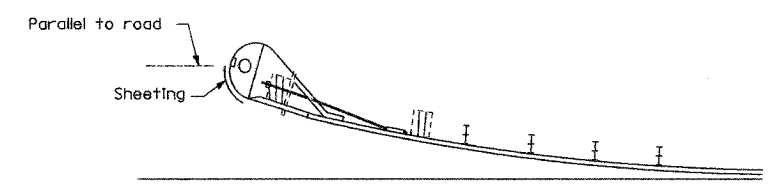
Standard Treatment - Direct Applied Sheeting
Traffic Barrier Terminal Type 1 (Special)



For Traffic Barrier Terminal Type (*)
and Post Mount
* See Plans for Type



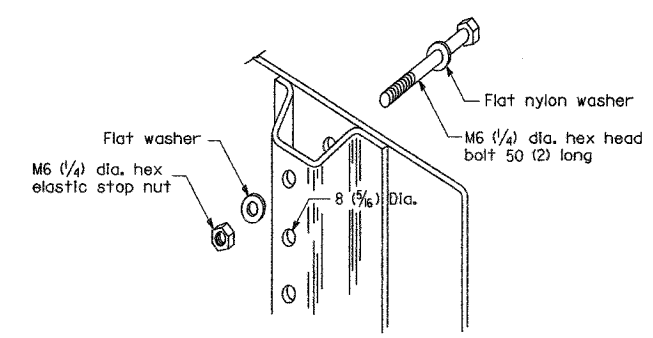
Standard Treatment - Direct Applied Sheeting
Traffic Barrier Terminal Type (*)
* See Plans for Type



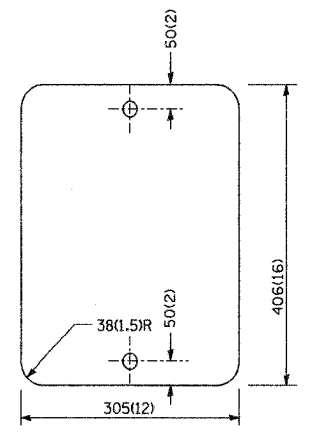
Sheeting Position for
Traffic Barrier Terminal Type (*)
* See Plans for Type

TERMINAL MARKER DETAILS

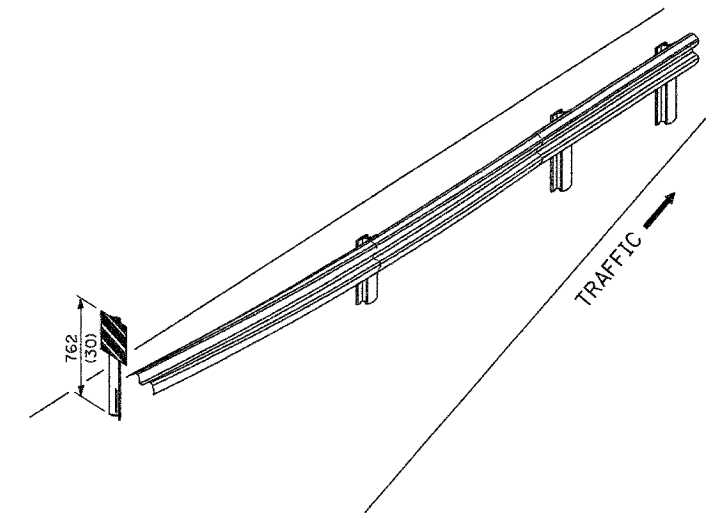
- Color: Black / Yellow reflectorized
- OM - I100 (L or R) Direct applied reflective sheeting
- OM - I200 (L or R) Post mounted



DETAIL OF MOUNTING TERMINAL MARKER TO POST



STANDARD TERMINAL MARKER



ALTERNATE TREATMENT - POST MOUNTED
(For turned-down terminal where sheeting cannot be direct applied)

TERMINAL MARKER TREATMENTS

GENERAL NOTES

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

ILLINOIS DEPARTMENT OF TRANSPORTATION	
DISTRICT CADD STANDARD	
GUARDRAIL AND BARRIER WALL DELINEATION	
CADD STD. NO. 635101-D4	SHEET 2 OF 4
SCALE: NOT DRAWN TO SCALE	DRAWN BY CADD
DATE **DATE**	CHECKED BY

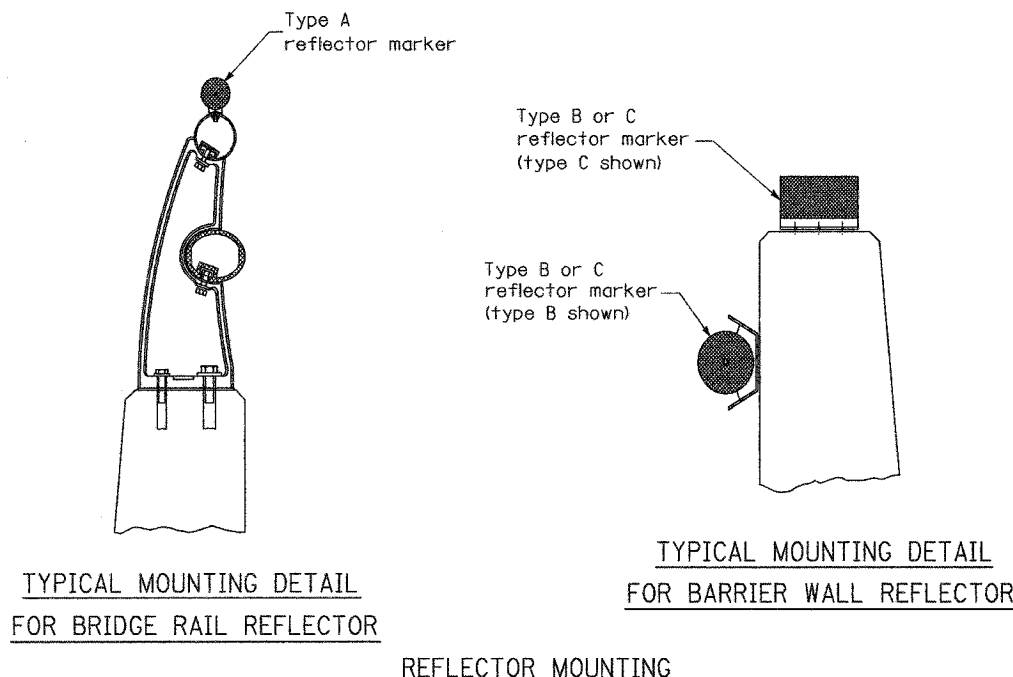
635101-D4 (2)

DATE

DGN-ONLY

CONTRACT # PLAN SET 2 OF 4 FINAL PLANS 1/05

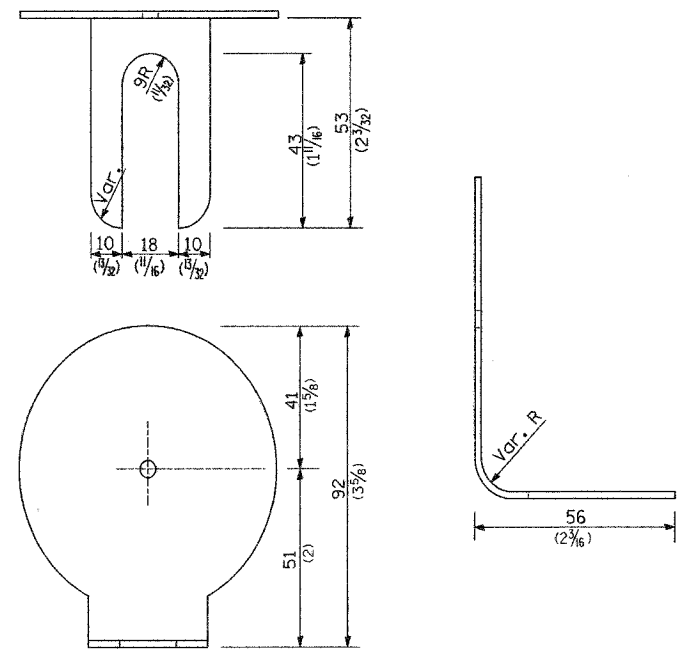
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			1366	1078
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



TYPICAL MOUNTING DETAIL FOR BRIDGE RAIL REFLECTOR

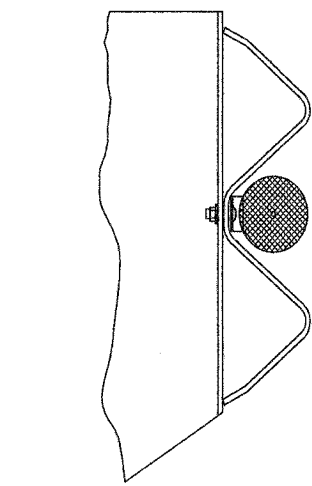
TYPICAL MOUNTING DETAIL FOR BARRIER WALL REFLECTOR

REFLECTOR MOUNTING

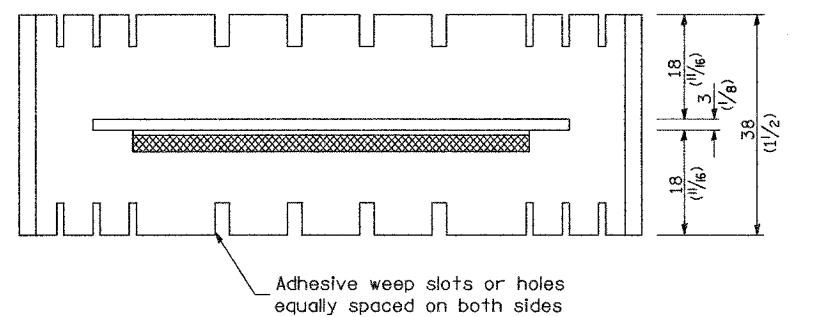


REFLECTOR MARKER TYPE A

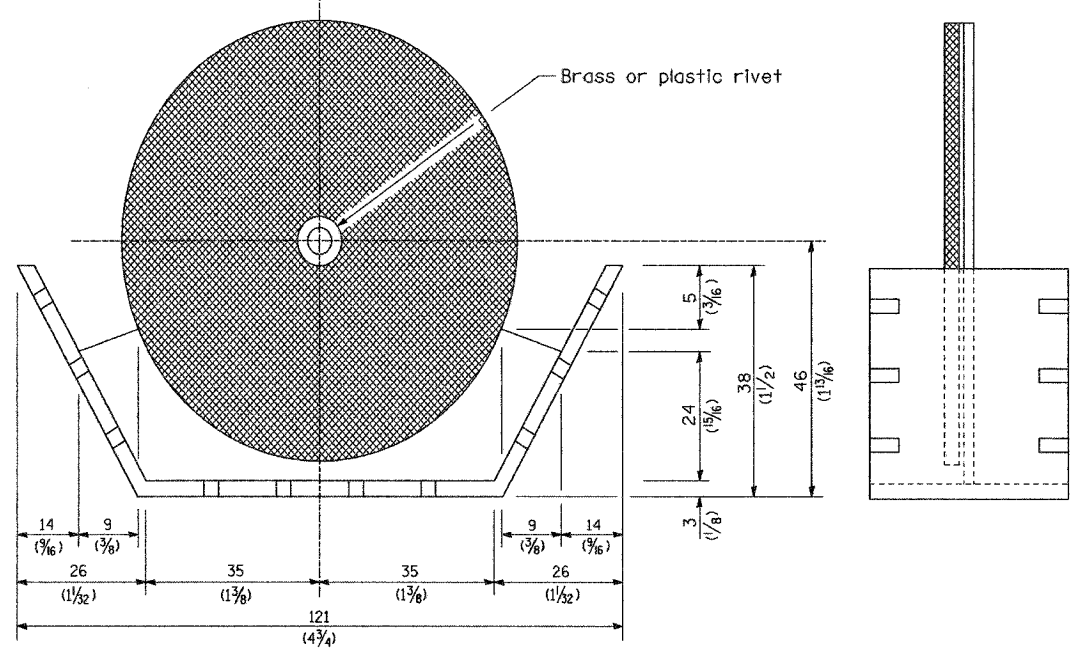
Min. reflective area 4,194 mm² (6 1/2 Sq. in.) each side. May be rectangular or slight trapezoid.



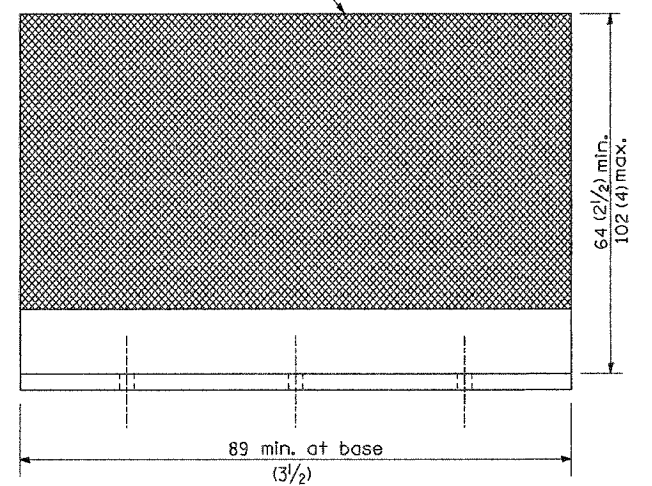
TYPICAL GUARDRAIL MOUNTING WITH REFLECTOR MARKER TYPE A



Adhesive weep slots or holes equally spaced on both sides



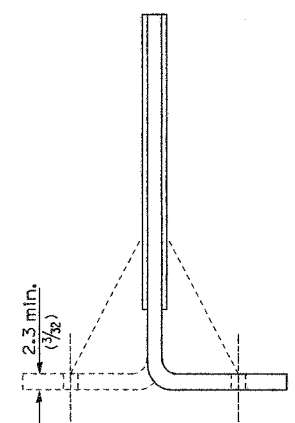
REFLECTOR MARKER TYPE B



REFLECTOR MARKER TYPE C

3 min. adhesive weep holes or slots each side, variable spacing.

Minimum total area of base 4,516 mm² (7.0 Sq. in.)



Cross section may be "T" or "L" shaped and may have side supports at ends.

REFLECTORS

SHEET 15 OF 17

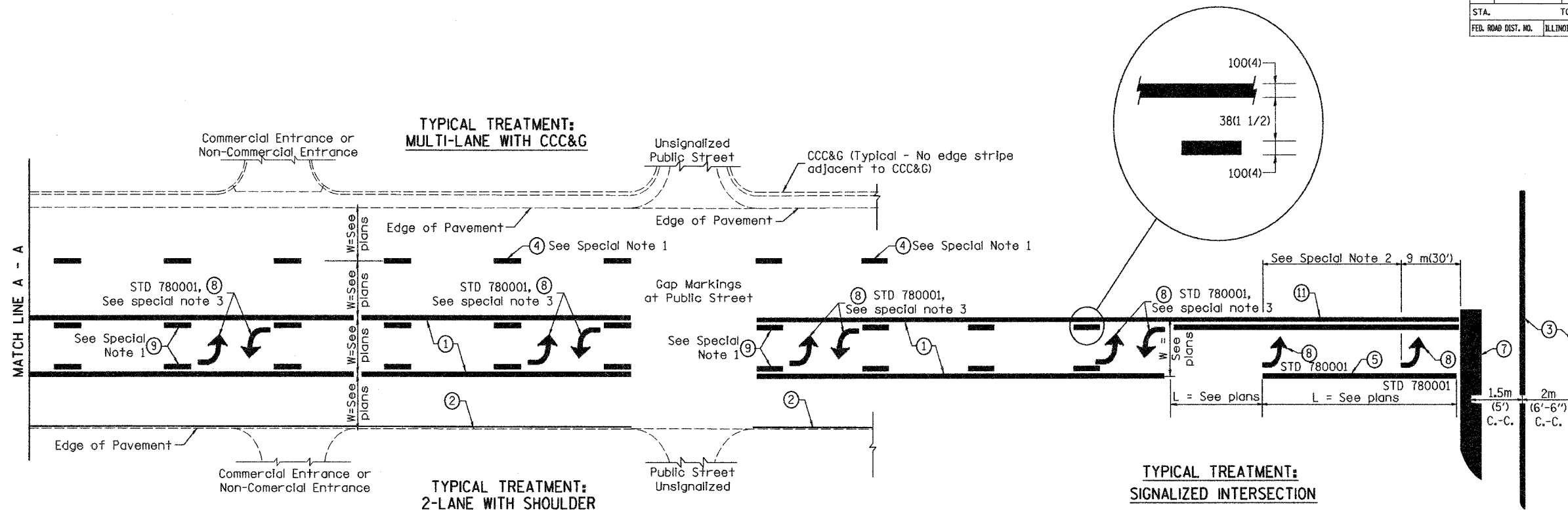
All dimensions are in millimeters (Inches) unless otherwise noted.

ILLINOIS DEPARTMENT OF TRANSPORTATION	
DISTRICT CADD STANDARD	
GUARDRAIL AND BARRIER WALL DELINEATION	
CADD STD. NO. 635101-D4	SHEET 3 OF 3
SCALE: NOT DRAWN TO SCALE	DRAWN BY CADD
DATE **DATE**	CHECKED BY

635101-D4 (3)

CONTRACT # PLAN SET 2 OF 4 FINAL PLANS 1/05

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			1366	1079
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



FLUSH PAVED MEDIAN: TWO-WAY LEFT TURN LANE WITH ONE-WAY LEFT TURN LANE AT SIGNALIZED INTERSECTION

TYPICAL PAVEMENT MARKING LEGEND

(Note: This is a District Standard Legend. Some elements may not apply to specific project.)

- ① 100(4) Solid (Yellow)
- ② 100(4) Solid (White)
- ③ 2-150(6) Crosswalk @ 2m (6'-6") min C.-C. (White)
2-200(8) Crosswalk @ 2m (6'-6") min C.-C. (White) (When traffic signals are present.)
- ④ 150(6) Skip-Dash (White) (See Special Note 1)
- ⑤ 200(8) Solid (White)
- ⑥ 300(12) Diagonal (White) (Item ⑥ is shown on Std. 780001)
- ⑦ 600(24) Stop Bar (White)
- ⑧ Letters & Arrows (See Std. 780001 and Special Notes 2 & 3)
- ⑨ 100(4) Skip-Dash (Yellow) (See Special Note 1)
- ⑩ 300(12) Diagonal (Yellow) (See Table A) (See Table A)
- ⑪ 100(4) Double Solid (Yellow) (See Table A)

SPECIAL NOTES

1. Skip-Dash markings will be centered between both ends of city blocks and shall be placed in alignment transversely across the pavement.
2. The following shall apply to arrows located in one-way left turn lanes:
 - A. A minimum of two (2) arrows is required.
 - B. The maximum spacing between arrows is 24 m (80').
 - C. Arrows shall be evenly spaced if three (3) or more are required.
3. The following shall apply to arrow pairs located in two-way left turn lanes:
 - A. A minimum of two (2) arrow pairs is required.
 - B. The maximum spacing between arrow pairs is 61 m (200').
 - C. Arrow pairs shall be evenly spaced if three (3) or more are required.
 - D. The spacing between Bi Directional Left Turn Arrows is 10 m (33').

GENERAL NOTES

1. Refer to State Standard 780001 for additional Pavement Markings including letters & arrows.
2. See Plans for Pavement Markings adjacent to curbed islands and medians, and through lane reductions.

SHEET 16 OF 17

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

ILLINOIS DEPARTMENT OF TRANSPORTATION
DISTRICT CADD STANDARD

TYPICAL PAVEMENT MARKINGS

DATE	REVISIONS	BY
1-1-97	RENUM. F-8.03, NEW REVISION BOX	T.P.
2-7-97	ADD BI DIRECTIONAL DIMENSION	J.A.
10-97	CORRECT BI DIRECTIONAL DIMENSION	J.A.
8-02	ADD CROSSWALK DMNS. WITH T.S.	M.A.

CADD STANDARD 780001-D4 SHEET 1 OF 2
SCALE: NOT DRAWN TO SCALE DRAWN BY CADD CHECKED BY

780001-D4 (1)

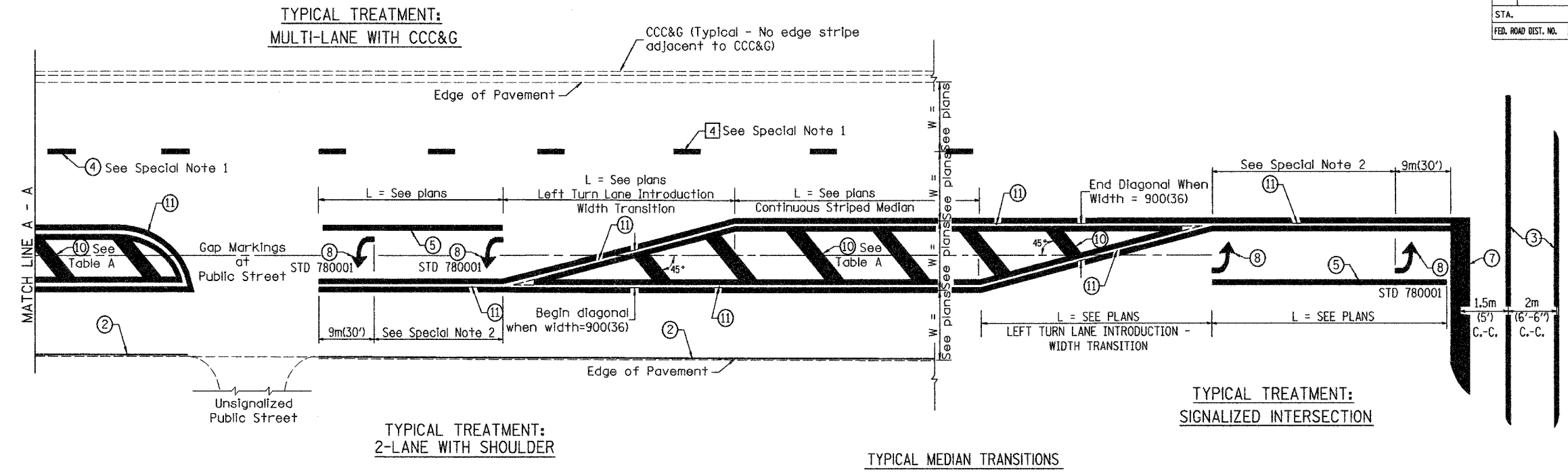
DESIGNER NOTES:
1. Include State Standard 780001 (Typical Pavement Markings)

\$\$\$DATE\$\$\$

DGN-ONLY

CONTRACT ID: PLAN SET 2 OF 4 FINAL PLANS 7/05

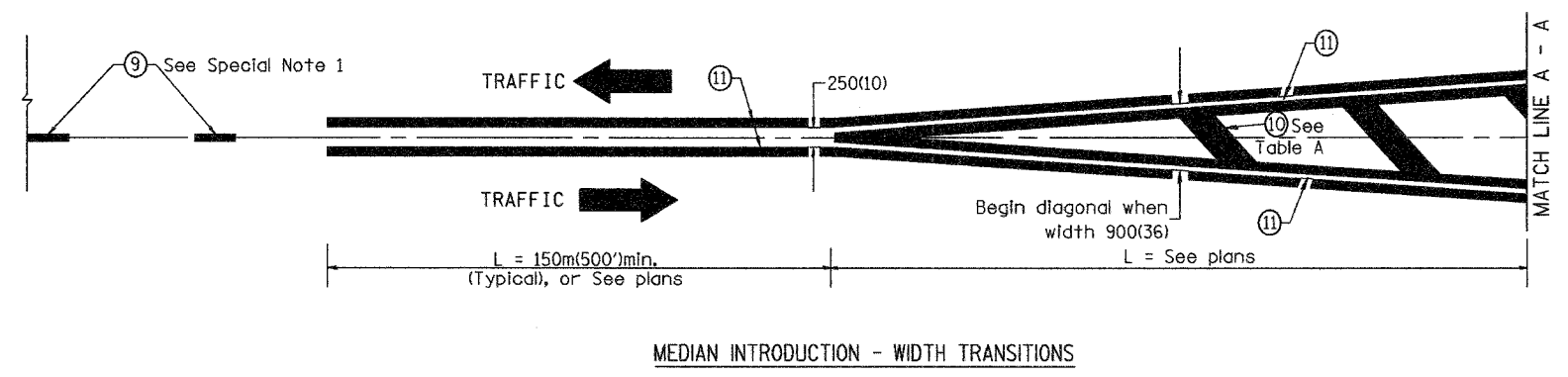
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			1366	1080
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



FLUSH PAVED MEDIAN: RESTRICTED LEFT TURN LANE

TABLE A
RECOMMENDED SPACING BETWEEN DIAGONAL LINES

SPEED LIMIT RANGE	CONTINUOUS	INTERSECTION CHANNELIZATION (Includes Width Transitions for Median and Left Turn Lane Introductions)
Less Than 50 km/h (30 mph)	15m (50')	5m (15')
50 - 70 km/h (30 - 45 mph)	23m (75')	6m (20')
Over 70 km/h (45 mph)	46m (150')	9m (30')



DATE

DGN-ONLY

SHEET 17 OF 17

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

ILLINOIS DEPARTMENT OF TRANSPORTATION
DISTRICT CADD STANDARD

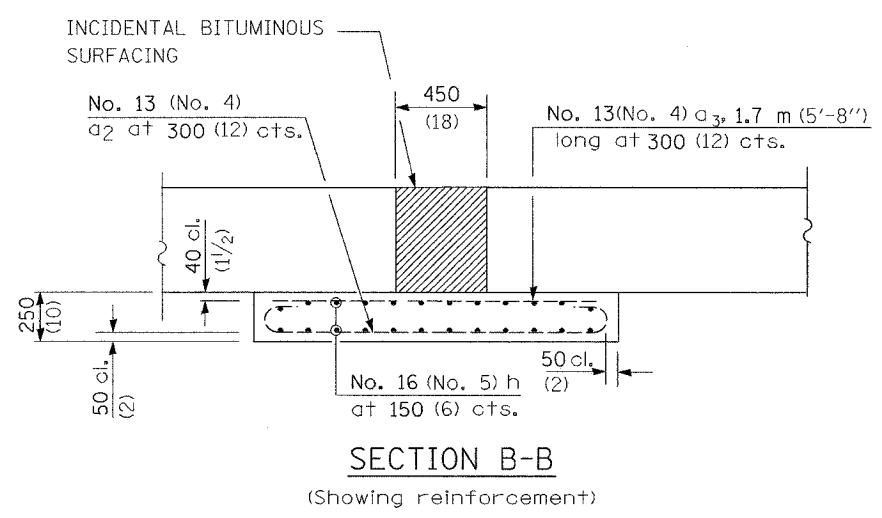
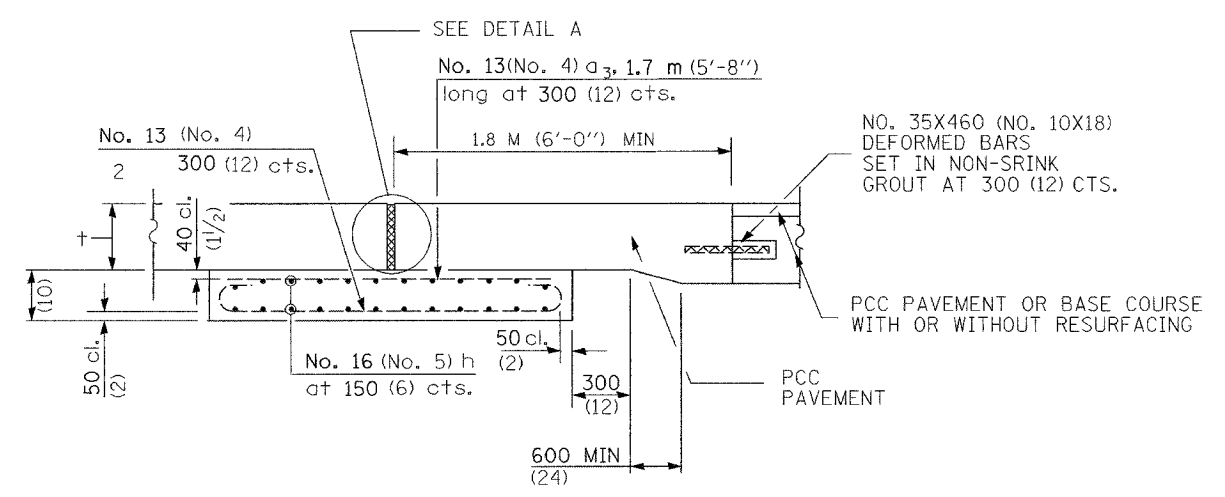
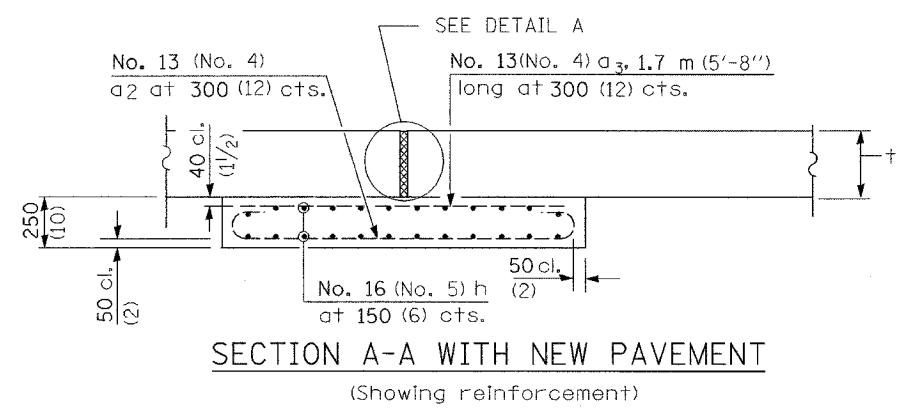
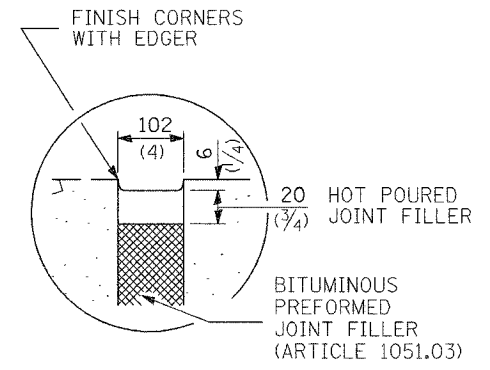
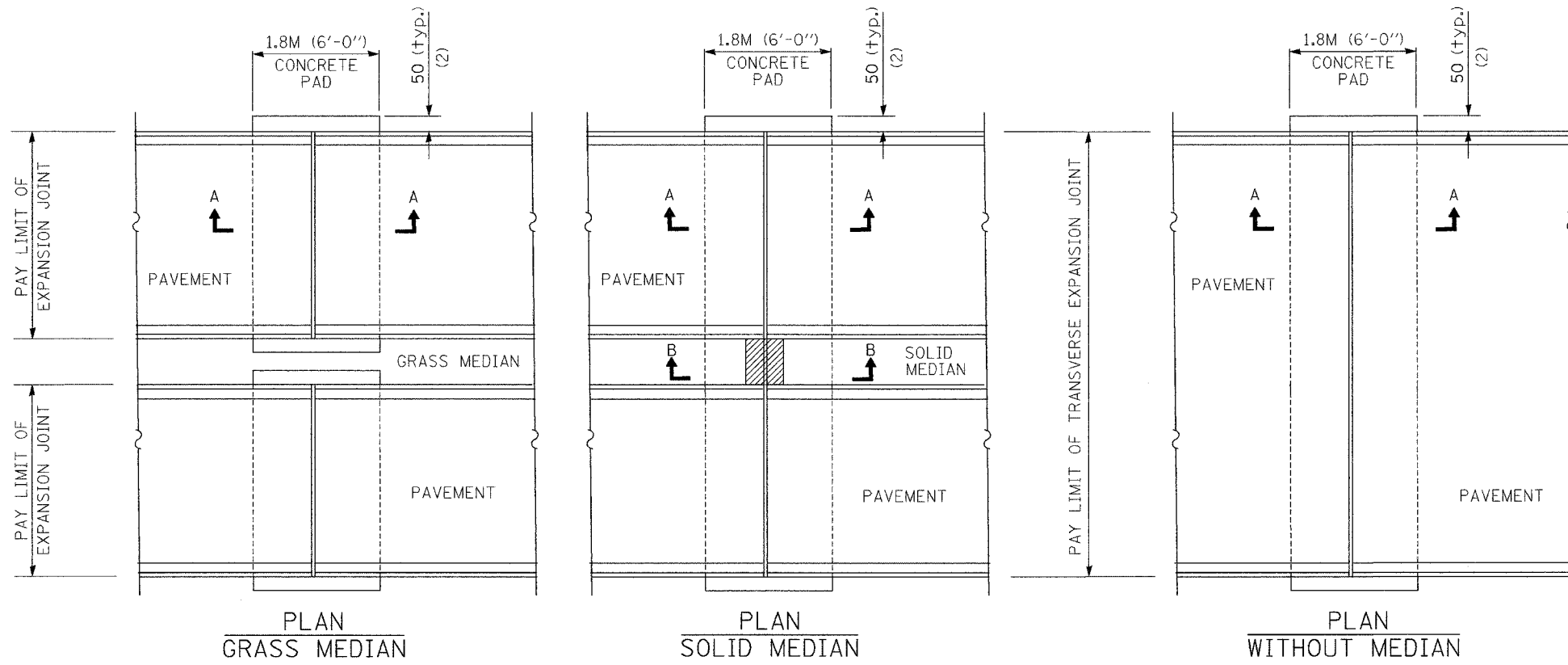
TYPICAL PAVEMENT MARKINGS

CADD STANDARD 780001-D4 SHEET 2 OF 2
SCALE: NOT DRAWN TO SCALE DRAWN BY CADD CHECKED BY

780001-D4 (2)

CONTRACT 11 PLAN SET 2 OF 4 FINAL PLANS 1/05

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			2366	1081
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



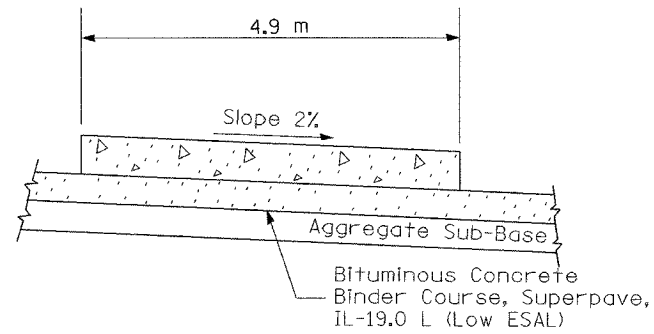
GENERAL NOTES

THICKNESS-""= THICKNESS OF PAVEMENT
 SEE PLANS FOR LOCATION OF EXPANSION JOINTS
 All dimensions are in millimeters (inches) unless otherwise shown.

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION I74 PROJECT STANDARD 420001-I74 PCC PAVEMENT EXPANSION JOINT, 100 MM
NAME	DATE	
PRE	11/4/02	DRAWN BY CHECKED BY
H.S.	2004 9/26/03	

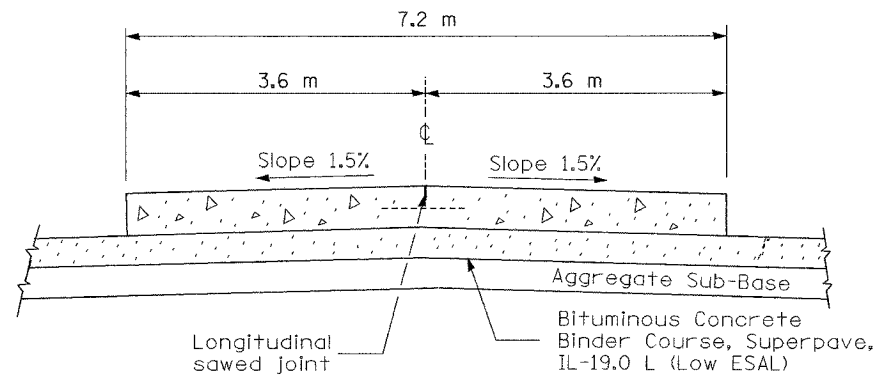
CONTRACT I74 PLAN SET 3 OF 4 FINAL PLANS I/05

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			1366	1382
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



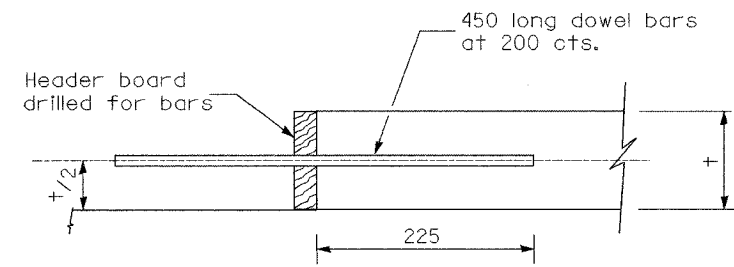
SECTION A-A

(TYPICAL 1-LANE RAMP WITH SHOULDERS)

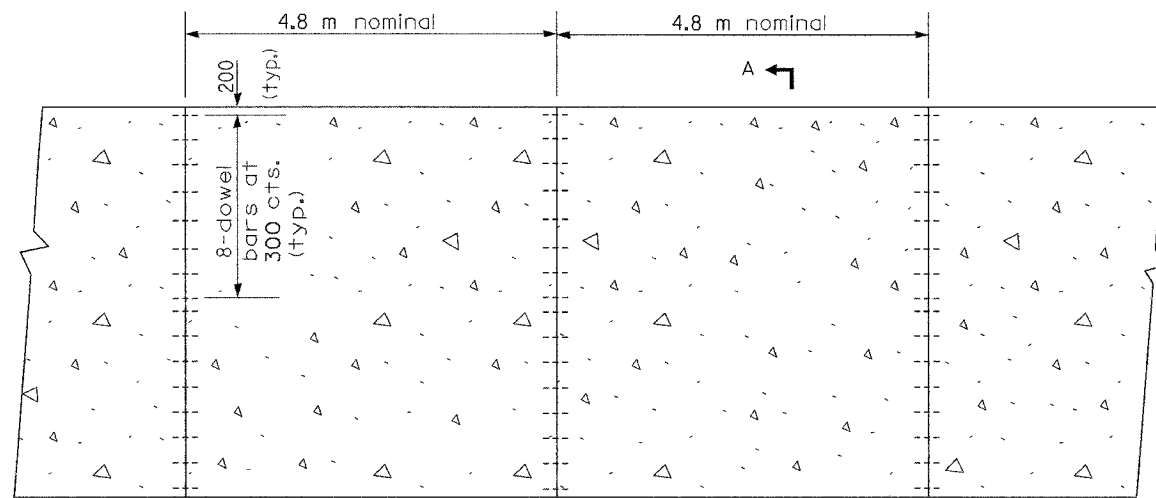


SECTION B-B

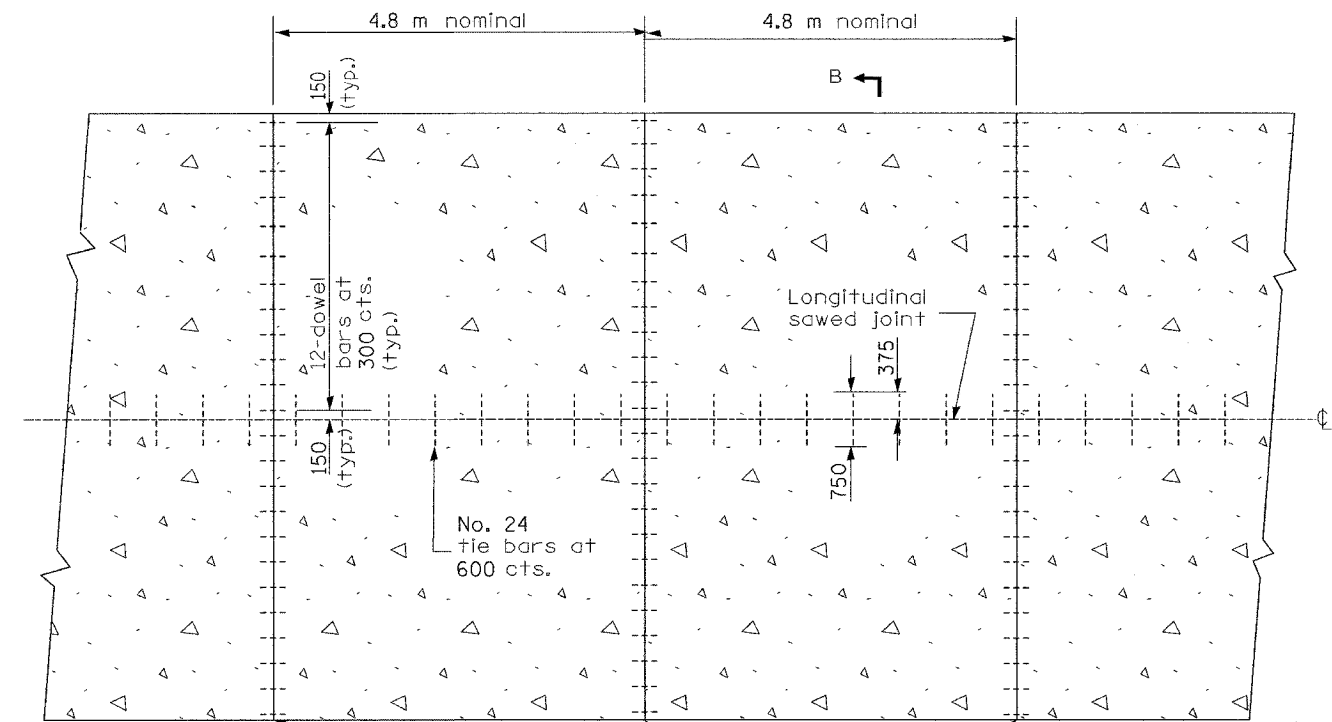
(TYPICAL 2-LANE RAMP WITH SHOULDERS)



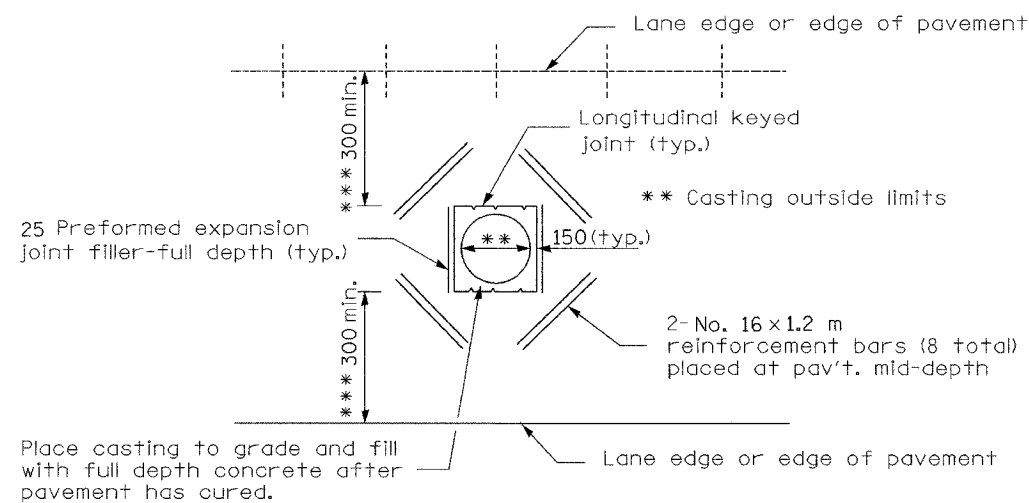
TRANSVERSE CONSTRUCTION JOINT



1-LANE RAMP PLAN



2-LANE RAMP PLAN



DETAIL OF ADDED REINFORCEMENT FOR PAVEMENT BLOCKS-OUTS

GENERAL NOTES

Details of joints as shown on Standard 420001 except as otherwise shown herein.

All dimensions are in millimeters unless otherwise shown.

SHEET 2 OF 14

A longitudinal sawed joint or a longitudinal construction joint with No. 24 tie bars at 600 cts. shall be provided when the width of ramp pavement exceeds 4.9 m.

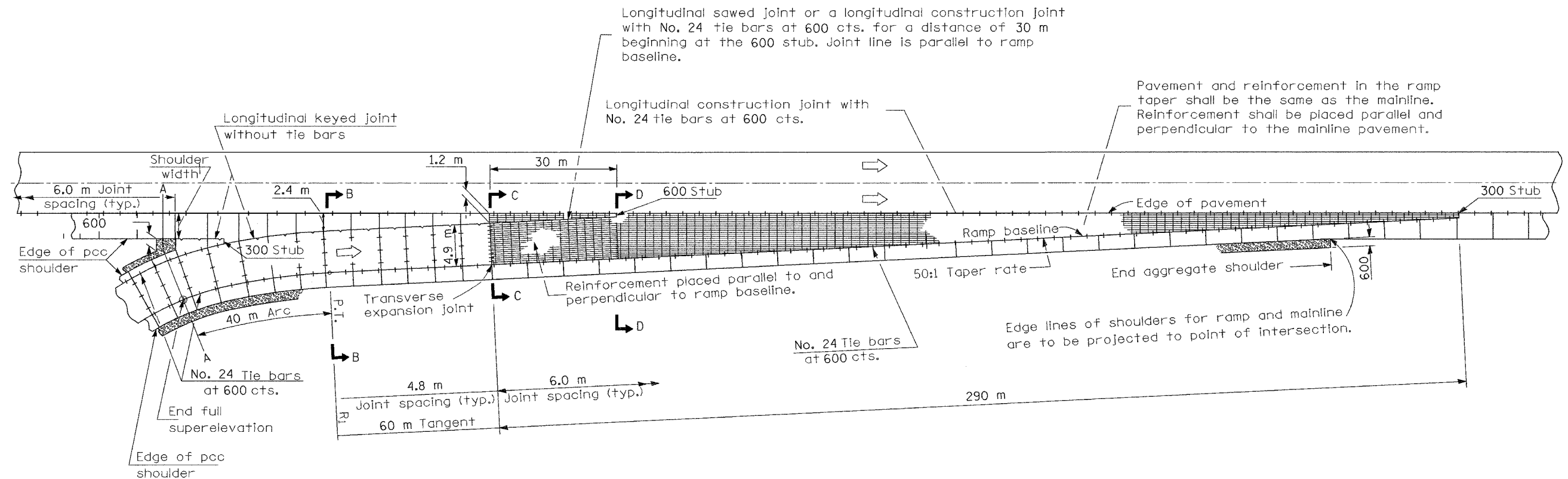
*** When the 300 minimum cannot be achieved, the transverse joints shall be extended to either the longitudinal joint or edge of pavement.

REVISIONS	
NAME	DATE
INC. COMMENTS	3/7/02
REM. ENGL.	3/22/02
REM C-JOINT	12/9/02
H.S. 2004	9/26/03

ILLINOIS DEPARTMENT OF TRANSPORTATION
I-74 PROJECT STANDARD 420101-I74
JOINTED PCC PAVEMENT FOR RAMPS

DATE 9/21/01
DRAWN BY
CHECKED BY

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			1366	1083
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



PLAN

GENERAL NOTES

Detail of ramp terminal as shown on Standard 420206 except as otherwise shown herein.

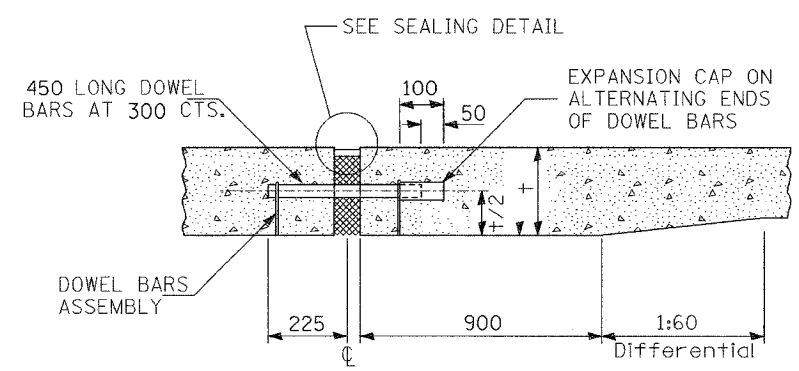
All pavement joints shall be detailed as shown on Standard 420001 and I-74 Project Standard 483001-174 except as otherwise shown herein.

The mainline pavement/shoulder thickness and the ramp pavement/shoulder thickness should be transitioned at the transverse expansion joint and at the longitudinal keyed joint.

A longitudinal sawed joint or a longitudinal construction joint with No. 24 tie bars at 600 cts. shall be provided when the width of ramp pavement exceeds 4.9 m.

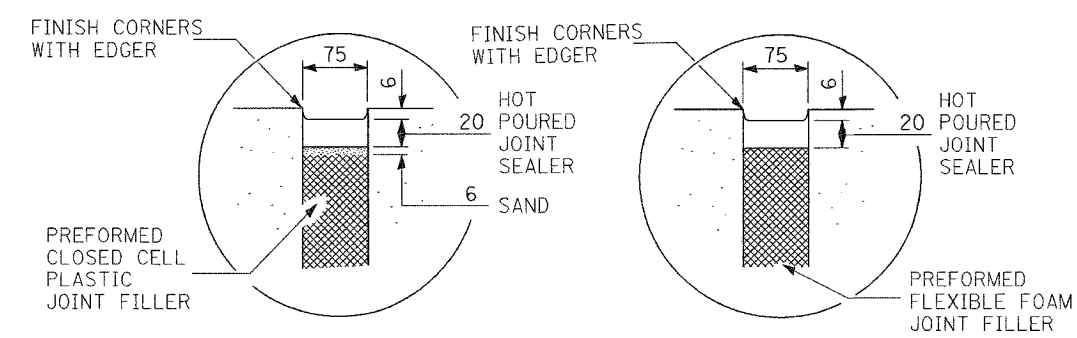
See I-74 Project Standard 483001-174 for ramp shoulder details.

All dimensions are in millimeters unless otherwise shown.



TRANSVERSE EXPANSION JOINT *

* FOR EXPANSION JOINTS FORMED USING A CONSTRUCTION HEADER, THE EXPANSION CAPS SHALL BE INSTALLED ON THE EXPOSED END OF EACH BAR ONCE THE HEADER HAS BEEN REMOVED AND THE JOINT FILLER MATERIAL HAS BEEN INSTALLED



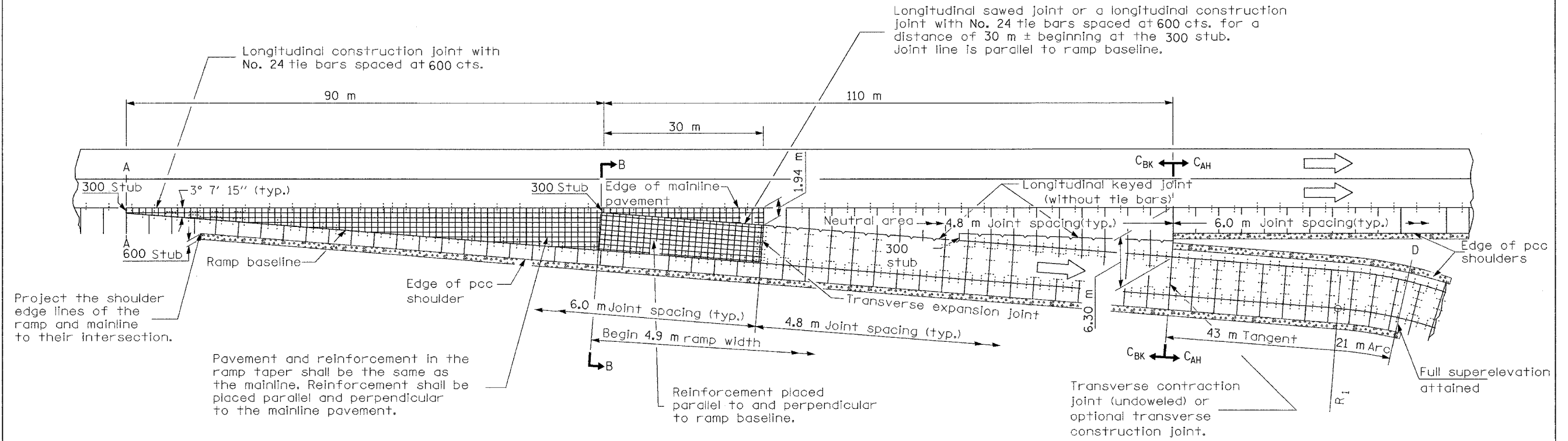
SEALING DETAIL

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION I-74 PROJECT STANDARD 420206-174 TYPICAL ENTRANCE RAMP TERMINAL (JOINTED PCC RAMP ADJACENT TO CRC PAVEMENT)
NAME	DATE	
INC. COMMENTS	3/7/02	DRAWN BY DATE 02/26/2002 CHECKED BY
REM. ENGL.	3/22/02	
REM. C. JOINT	4/17/02	
ADD 3RD NOTE	8/15/02	
H.S. 2004	9/26/03	

SHEET 3 OF 14

CONTRACT ILL PLAN SET 3 OF 4 FINAL PLANS 1/05

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			1366	1084
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



PLAN

BK = Back
AH = Ahead

GENERAL NOTES

Detail of ramp terminal as shown on Standard 420306 except as otherwise shown herein.

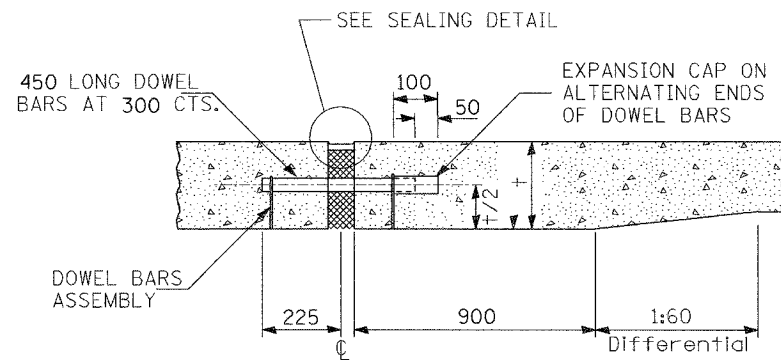
All pavement joints shall be detailed as shown on Standard 420001 and I-74 Project Standard 483001-I74, except as otherwise shown herein.

The mainline pavement/shoulder thickness and the ramp pavement/shoulder thickness should be transitioned at the transverse expansion joint and at the longitudinal keyed joint.

A longitudinal sawed joint or a longitudinal construction joint with No. 24 tie bars at 600 cts. shall be provided when the width of ramp pavement exceeds 4.9 m.

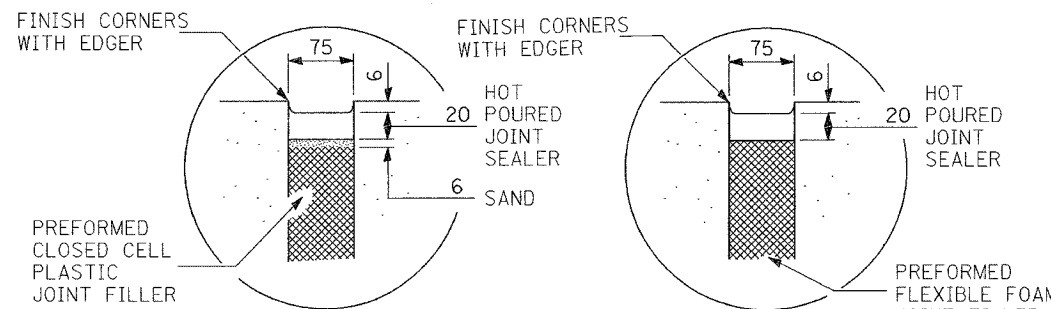
See I-74 Project Standard 483001-I74 for ramp shoulder details.

All dimensions are in millimeters unless otherwise shown.



TRANSVERSE EXPANSION JOINT *

* FOR EXPANSION JOINTS FORMED USING A CONSTRUCTION HEADER, THE EXPANSION CAPS SHALL BE INSTALLED ON THE EXPOSED END OF EACH BAR ONCE THE HEADER HAS BEEN REMOVED AND THE JOINT FILLER MATERIAL HAS BEEN INSTALLED



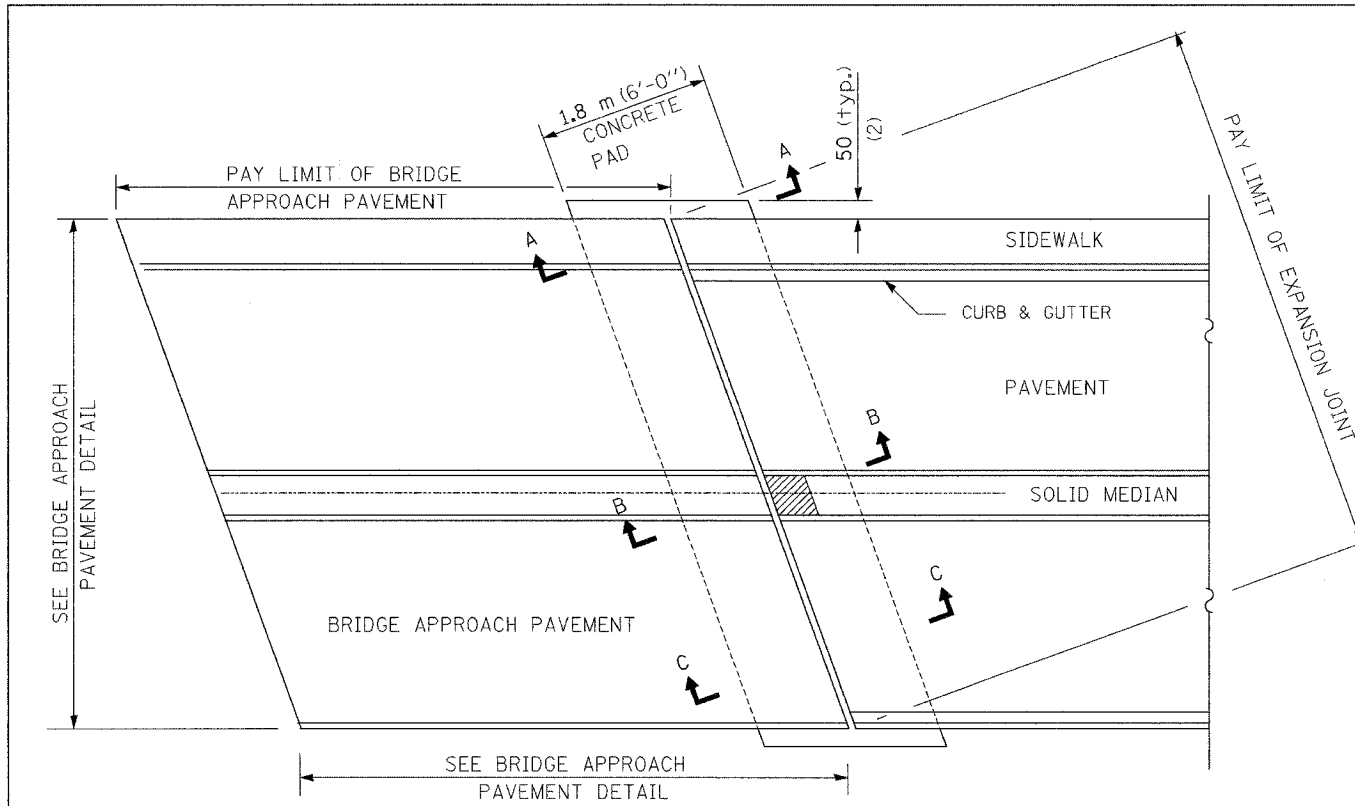
SEALING DETAIL

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION I-74 PROJECT STANDARD 420306-I74 TYPICAL EXIT RAMP TERMINAL (Jointed PCC Ramp Adjacent To CRC Pavement)
NAME	DATE	
INC. COMMENTS	3/7/02	DRAWN BY CHECKED BY DATE 02/26/2002
REM. ENGL.	3/22/02	
REM. C. JOINT	4/17/02	
ADD 3RD NOTE	8/15/02	
JOINT SPACING	5/6/03	
H.S. 2004	9/26/03	

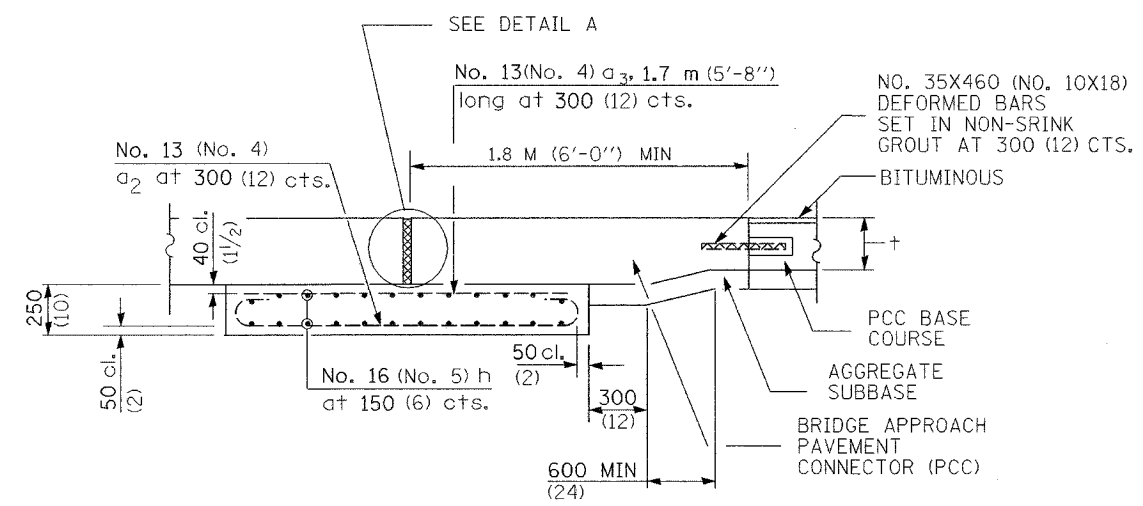
SHEET 4 OF 14

CONTRACT I-74 PLAN SET 3 OF 4 FINAL PLANS I/05

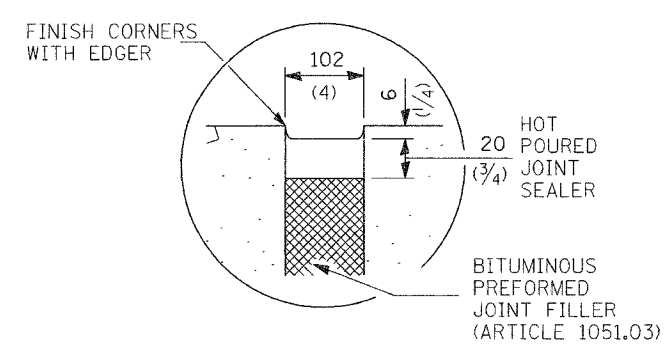
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			1366	1085
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			



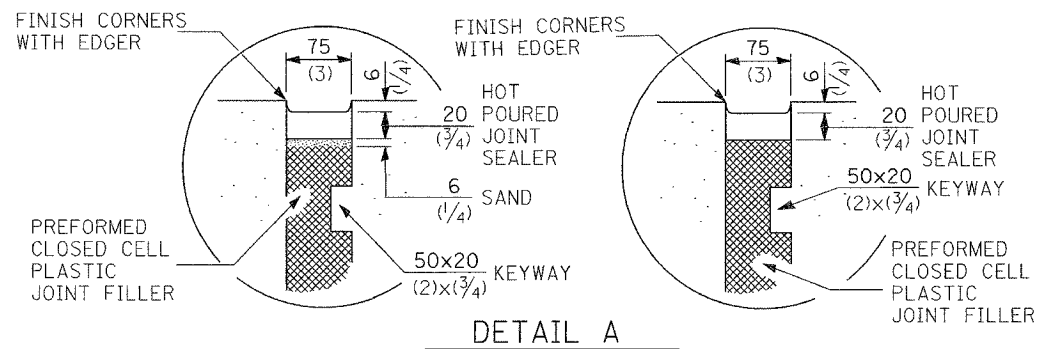
PLAN



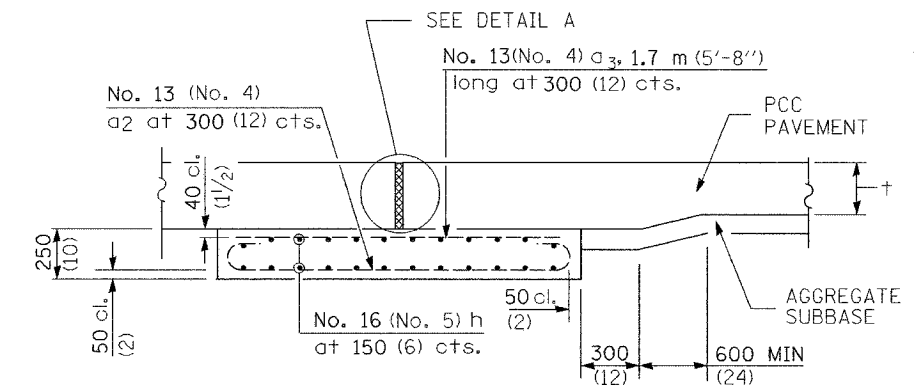
SECTION C-C WITH PCC BASE COURSE
(Showing reinforcement)



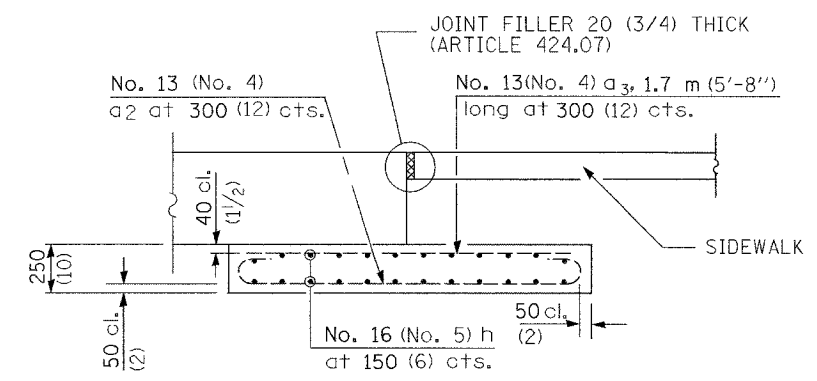
DETAIL A
SEALING DETAIL
(Route under city jurisdiction)



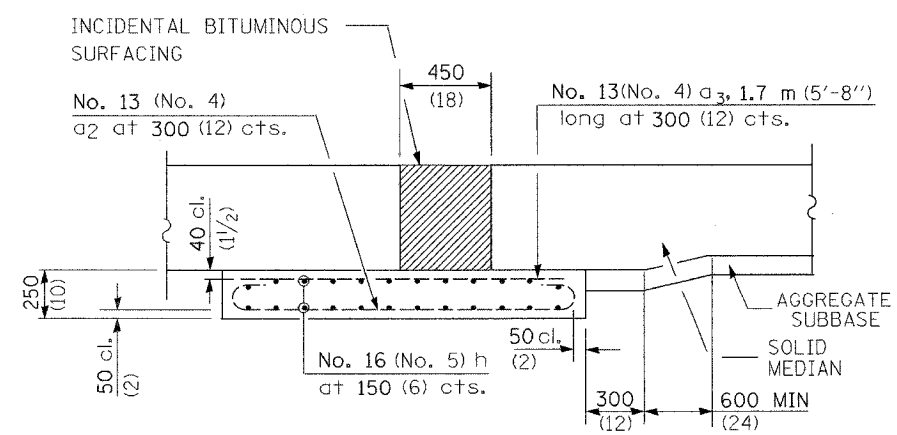
DETAIL A
SEALING DETAIL
(Route under state jurisdiction)



SECTION C-C WITH PCC PAVEMENT
(Showing reinforcement)



SECTION A-A
(Showing reinforcement)



SECTION B-B
(Showing reinforcement)

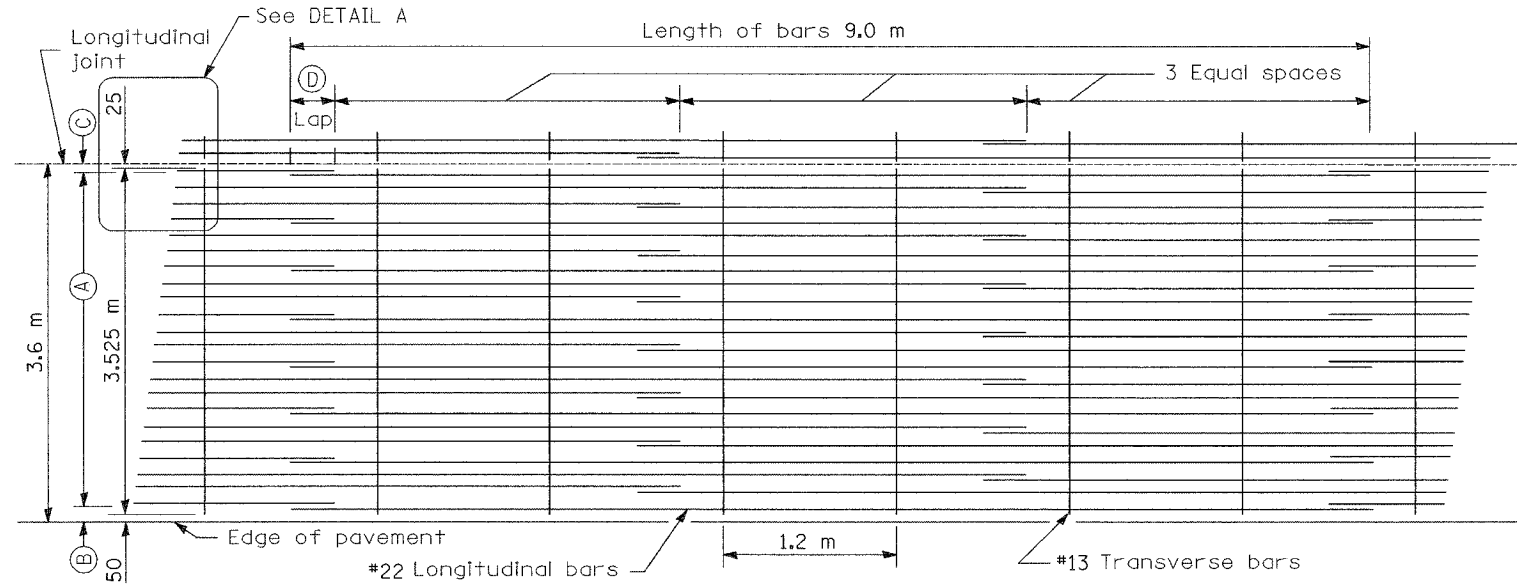
GENERAL NOTES

THICKNESS-""=THICKNESS OF PAVEMENT
All dimensions are in millimeters (inches) unless otherwise shown.

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION I74 PROJECT STANDARD 420401-I74 BRIDGE APPROACH PAVEMENT (SPECIAL) EXPANSION JOINT
NAME	DATE	
PRE	11/4/02	DATE 10/18/02 DRAWN BY CHECKED BY
DETAIL A	12/31/02	
H.S. 2004	9/26/03	

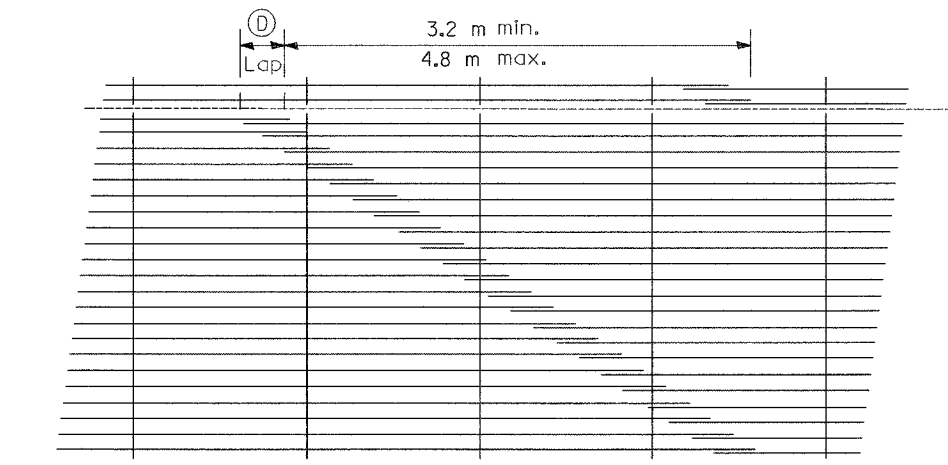
CONTRACT I74 PLAN SET 3 OF 4 FINAL PLANS I/05

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			1366	1086
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

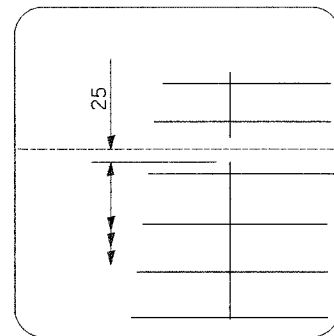


METRIC (mm)					
Bar Size	Pavement Thickness	(A) (Approx. Spacing)	(B)	(C)	(D)
#22	290	21 spaces (22 bars) @ 163	100	75	660

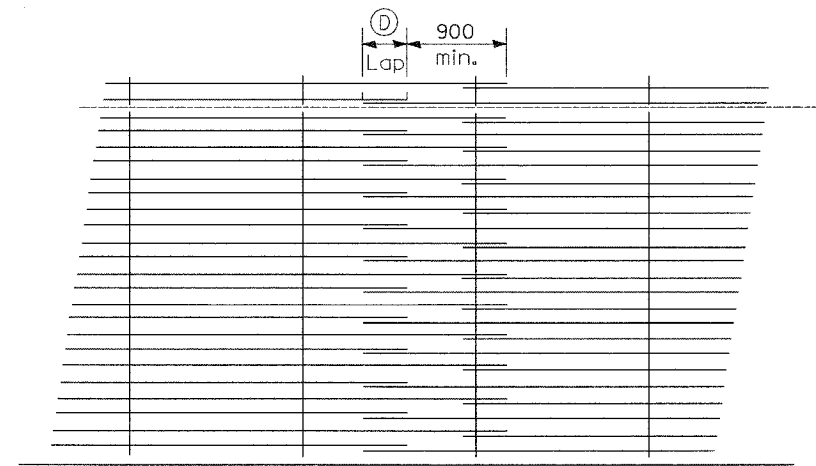
LAP DETAIL I



LAP DETAIL II



DETAIL A



LAP DETAIL III

GENERAL NOTES

Except as noted or shown the dimensions and notes specified for LAP DETAIL I are typical for LAP DETAIL II and III.

The (B) dimension and the distance from the end of the transverse bar to the edge of pavement may be increased by 25 mm for slip form paving.

All dimensions are in millimeters unless otherwise shown.

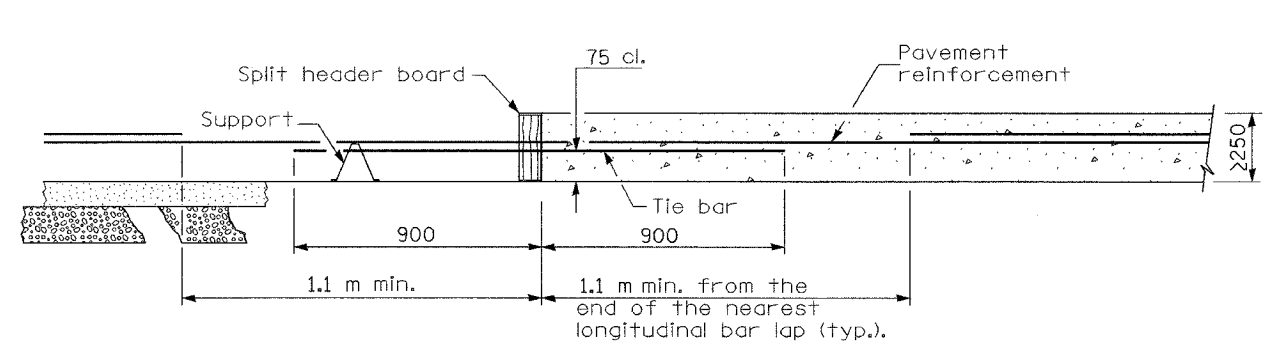
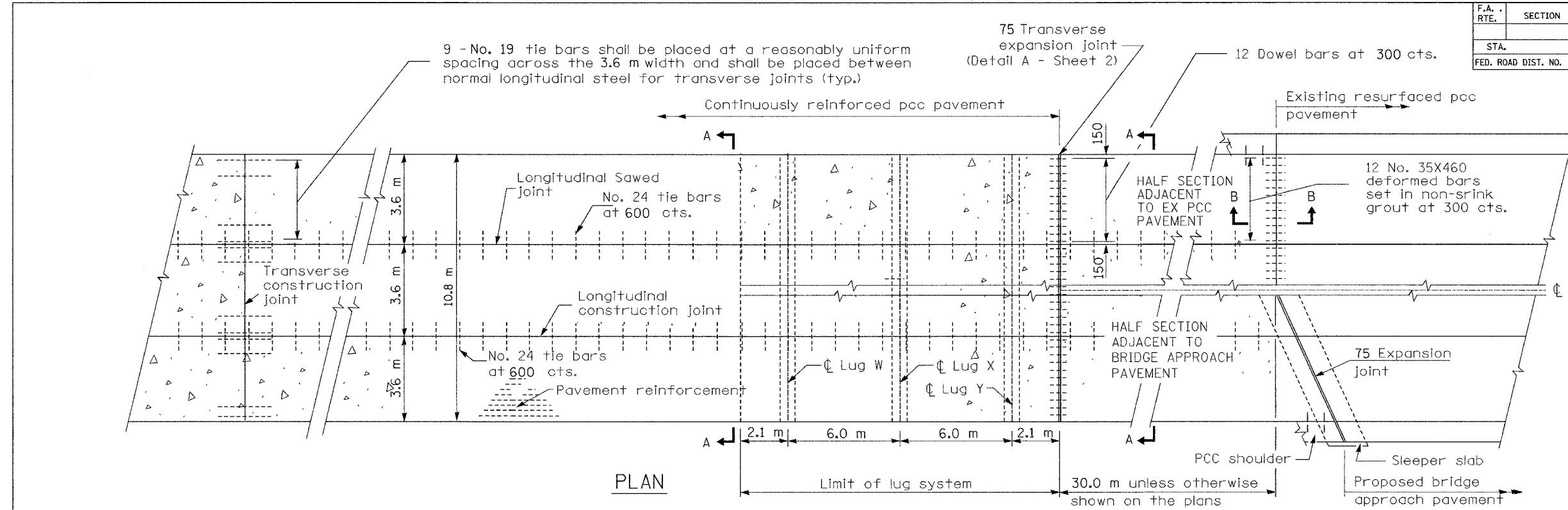
SHEET 6 OF 14

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION I-74 PROJECT STANDARD 421001-I74 BAR REINFORCEMENT FOR CRC PAVEMENT
NAME	DATE	
REVISED TABLE	3/7/02	
H.S. 2003	9/26/03	
		DATE 9/21/01

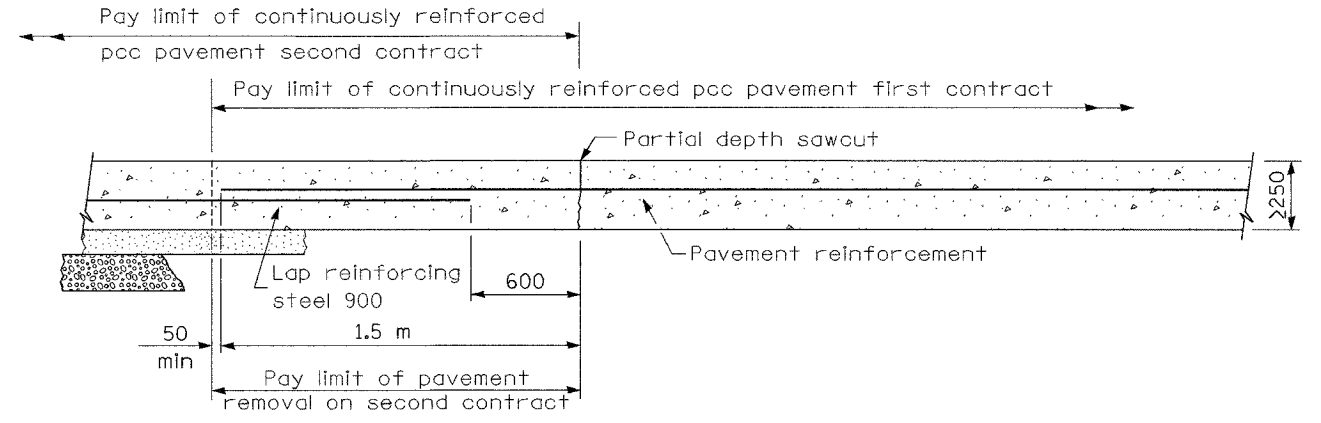
CONTRACT I: PLAN SET 3 OF 4 FINAL PLANS 1/05

...:\projects\110746\cadd\cadd.dgn 07/07/2005 08:08:58 AM

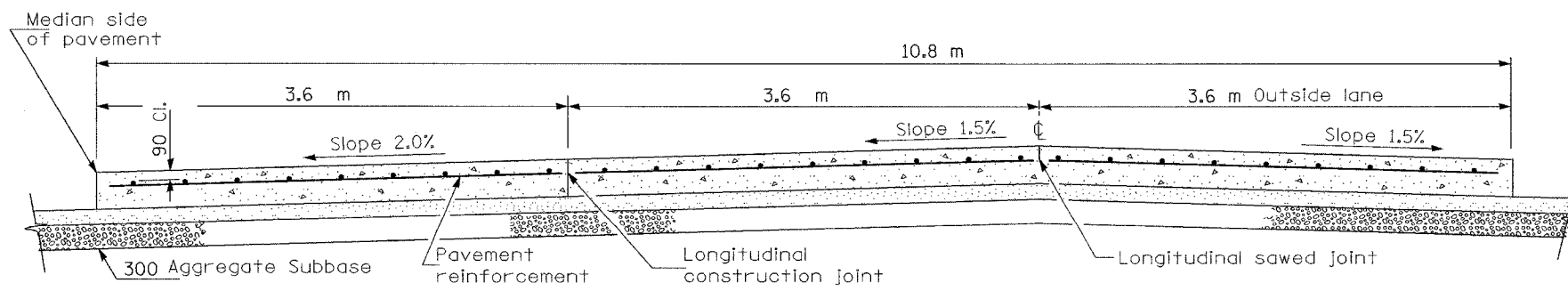
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS NO.	SHEET NO.
			1366	1087
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



TRANSVERSE CONSTRUCTION JOINT
(Pavement Constructed in the Same Contract)



TRANSVERSE TERMINAL JOINT
(Continuation of a Pavement Constructed in a Previous Contract)



SECTION A-A
(TYPICAL 3-LANE, 1-WAY WITH SHOULDERS)

GENERAL NOTES

See Project Standard 421001-I74 for details of I-74 pavement reinforcement.

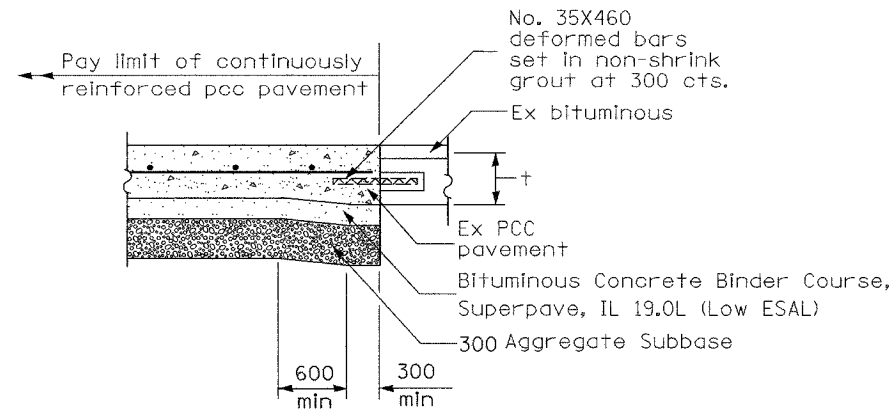
Detail of joints as shown on Standard 420001 except as otherwise shown herein.

All dimensions are in millimeters unless otherwise shown.

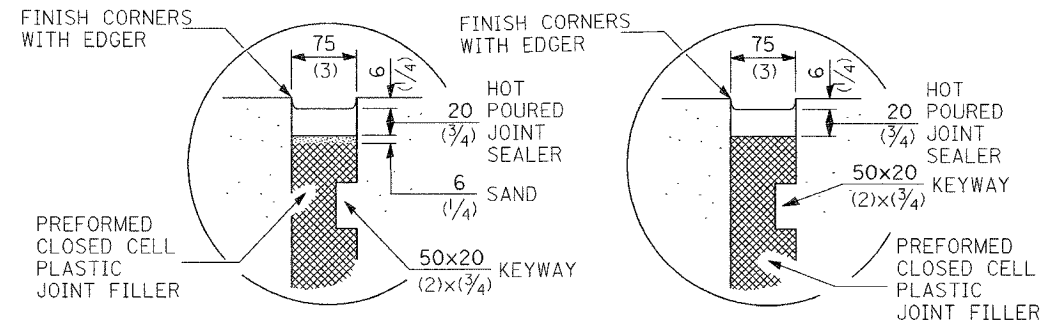
REVISIONS	
NAME	DATE
INC. COMMENTS	3/7/02
REM. ENGL.	3/22/02
H.S. 2004	9/30/03
NOTE - 30M	10/6/03
SEC B-B & TERM JT	11/4/04

ILLINOIS DEPARTMENT OF TRANSPORTATION
I-74 PROJECT STANDARD 421206-I74
10.8 m
CRC PAVEMENT
(WITH LUG SYSTEM) (Sheet 1 of 2)
DRAWN BY
DATE 09/21/01
CHECKED BY

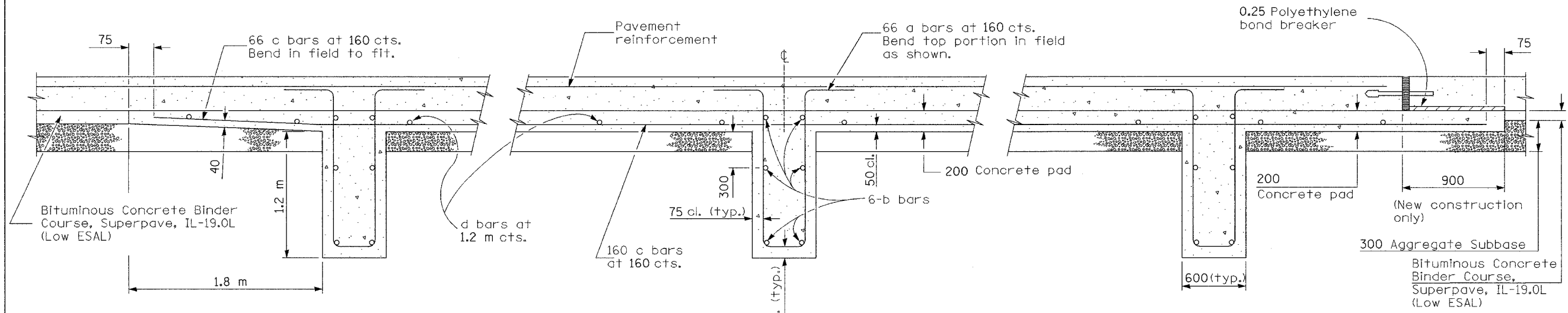
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			1366	1088
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



SECTION B-B
(Showing reinforcement)



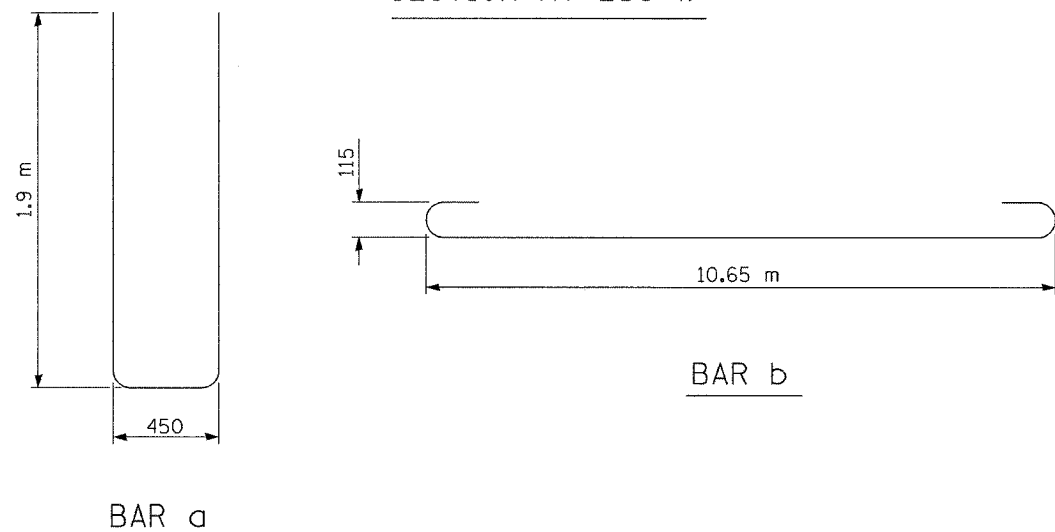
DETAIL A
SEALING DETAIL



SECTION AT LUG W

SECTION AT LUG X

SECTION AT LUG Y



MATERIALS REQUIRED FOR (1) ONE LUG SYSTEM
(Excluding Pavement Concrete and Pavement Reinforcement)

Bar	No.	Size	Length	Shape
a	198	No. 25	4.25 m	
b	18	No. 16	11.30 m	
c	198	No. 16	6.10 m	
d	42	No. 13	3.52 m	

Concrete, m ³	23.3
Reinforcing Bars, kg	5695
Concrete Pad, m ²	155.5
Aggregate Subbase, m ²	168.5

All dimensions are in millimeters unless otherwise shown.

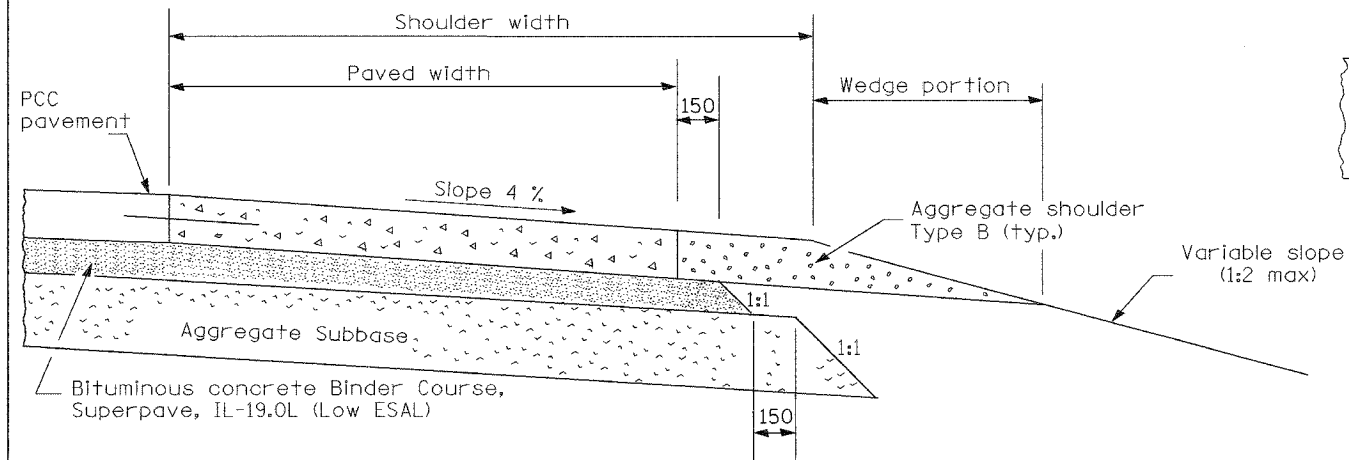
REVISIONS

NAME	DATE
INC. COMMENTS	3/7/02
REM. ENGL.	3/22/02
H.S. 2004	9/30/03
NOTE - 30M	10/6/03
REV & ADD SEC B-B	11/4/04

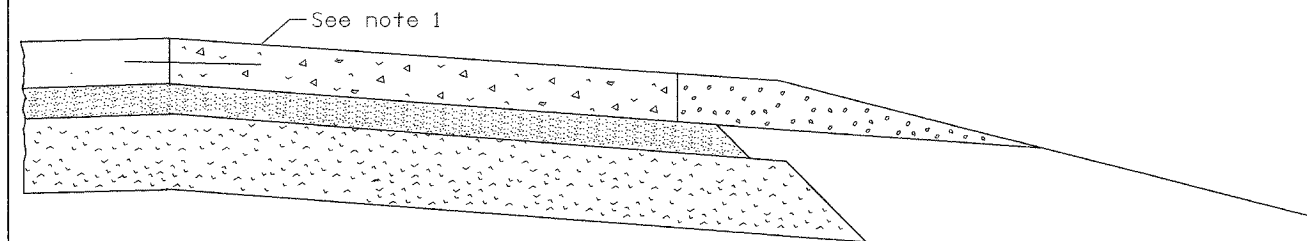
SHEET 8 OF 14

ILLINOIS DEPARTMENT OF TRANSPORTATION
I-74 PROJECT STANDARD 421206-174
10.8 m
CRC PAVEMENT
(WITH LUG SYSTEM) (Sheet 2 of 2)
DRAWN BY
DATE 09/21/01
CHECKED BY

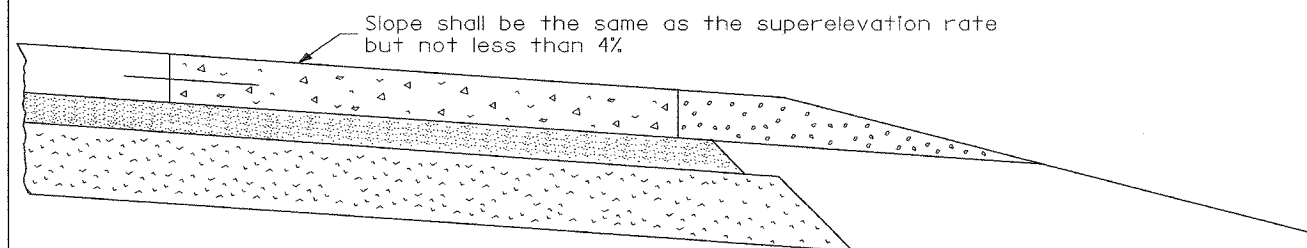
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			1366	1089
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



SHOULDER FOR TANGENT PAVEMENT



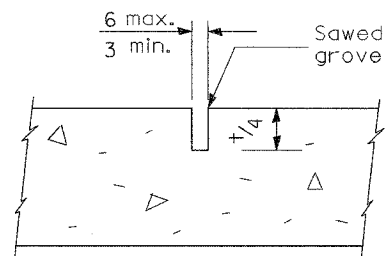
SHOULDER FOR SUPERELEVATED PAVEMENT
(Outside of curve)



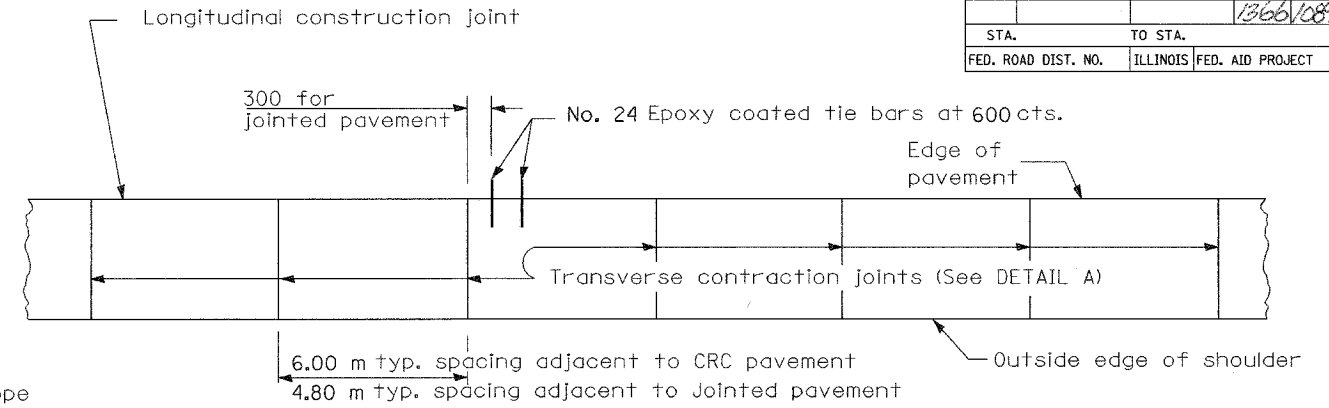
SHOULDER FOR SUPERELEVATED PAVEMENT
(Inside of curve)

NOTES

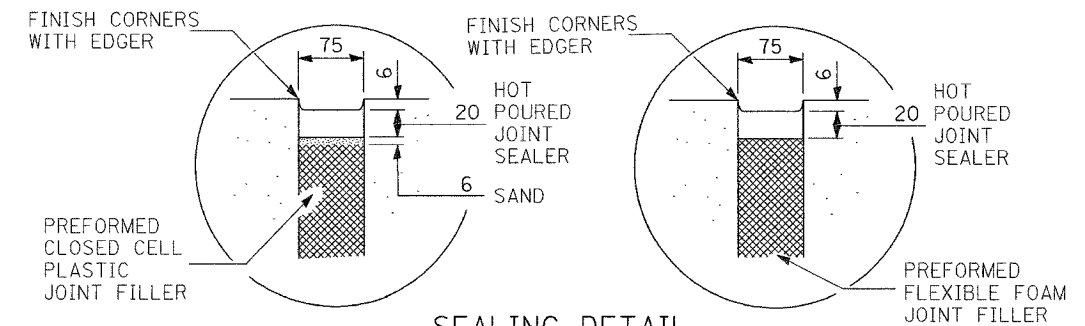
Note 1: When the superlevation rate of the pavement is between 0% and 4%, the shoulder shall be sloped at 4%. When the superlevation rate of the pavement exceeds 4%, the shoulder shall be sloped so that the algebraic difference between pavement and shoulder slopes will not be greater than 8%.



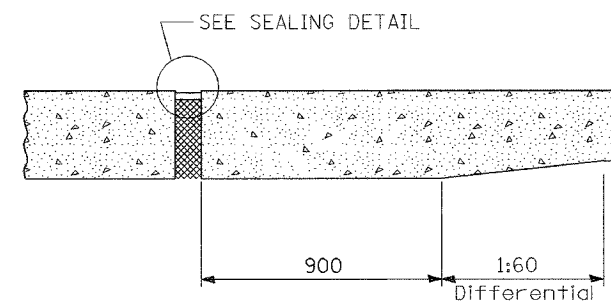
DETAIL A
TRANSVERSE CONTRACTION JOINT



PLAN

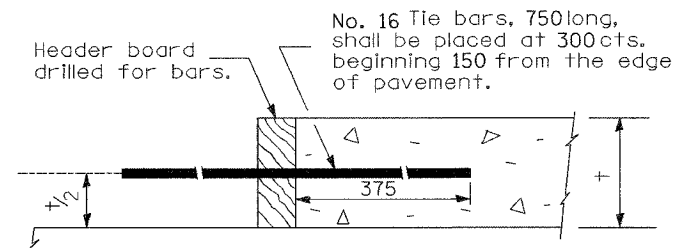


SEALING DETAIL



TRANSVERSE EXPANSION JOINT *

* TRANSITION FOR PAVEMENT WITH UNEQUAL THICKNESS AS APPLICABLE



TRANSVERSE CONSTRUCTION JOINT

GENERAL NOTES

Except as noted or shown, the dimensions and notes specified for the shoulder of the tangent pavement are typical for the shoulders of superelevated pavement.

Transverse expansion joints thru the pavement, shall be extended thru the PCC shoulder.

Longitudinal construction joint(s) or longitudinal sawed joint(s) as shown on Standard 420001 shall be provided when the width of paved shoulder exceeds 4.5 m so that width between longitudinal joints does not exceed 4.5 m

Details of joints as shown on Standard 420001 except as otherwise shown herein

All dimensions are in millimeters unless otherwise shown.

REVISIONS	
NAME	DATE
INC. COMMENTS	3/7/02
REM. ENGL.	3/22/02
REV. TITLE	7/25/03
H.S. 2004	9/26/03

SHEET 9 OF 14

ILLINOIS DEPARTMENT OF TRANSPORTATION

I-74 PROJECT STANDARD 483001-I74

PCC SHOULDER FOR MAINLINE AND RAMPS

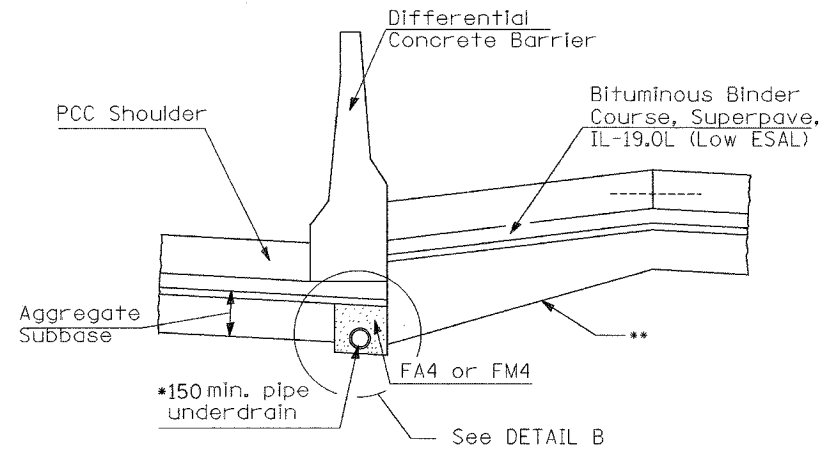
DATE 09/21/01

DRAWN BY _____

CHECKED BY _____

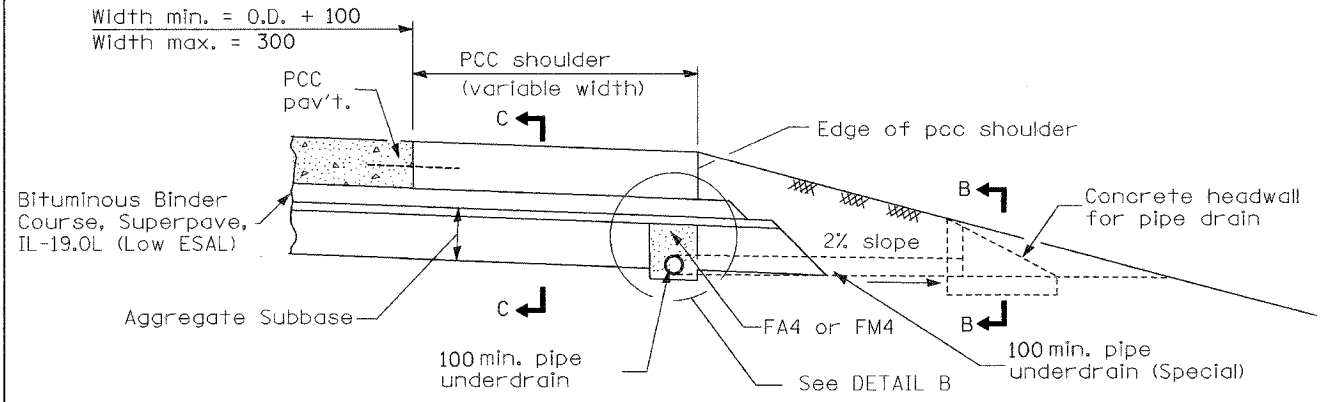
CONTRACT I: PLAN SET 3 OF 4 FINAL PLANS I/05

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS NO.	SHEET NO.
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STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

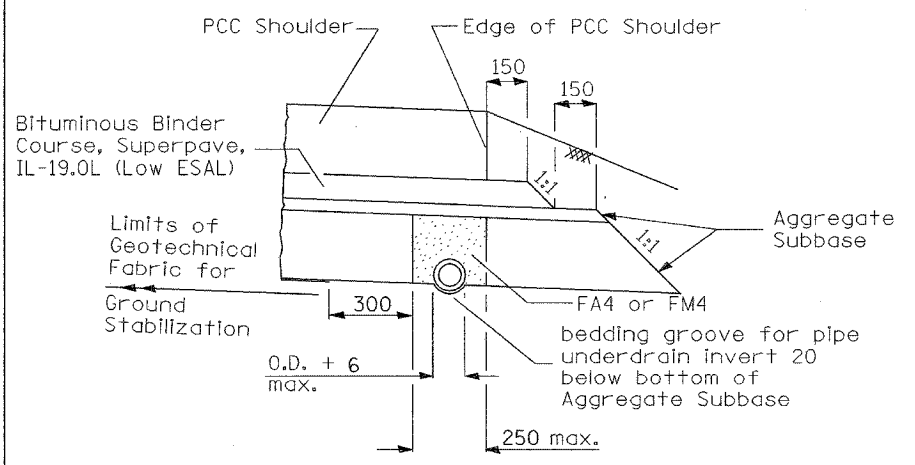


- * Pipe Underdrain shall be placed in the first stage constructed
- ** Transition bottom of aggregate subbase from edge of pavement to match elevation of aggregate subbase on lower side of barrier

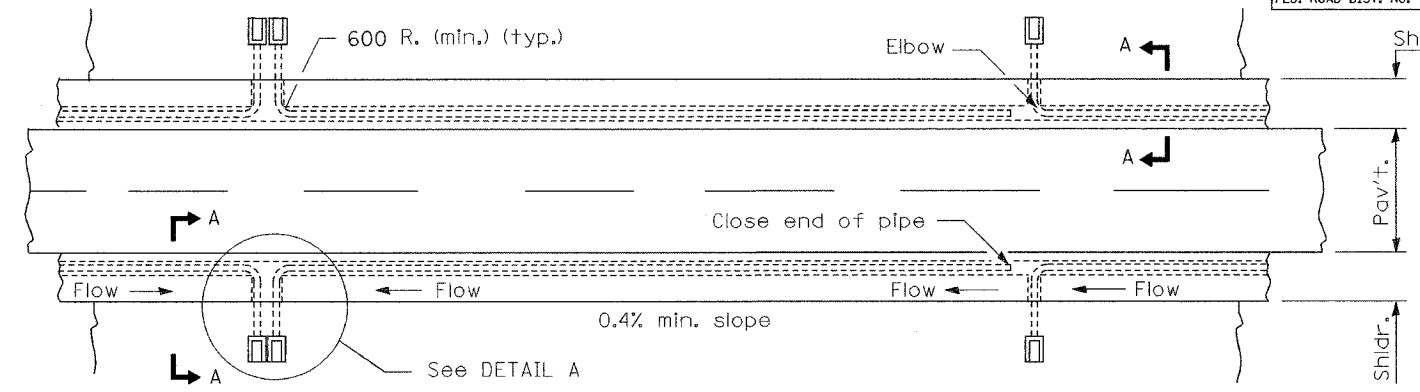
AT LOCATION WITH DIFFERENTIAL BARRIER



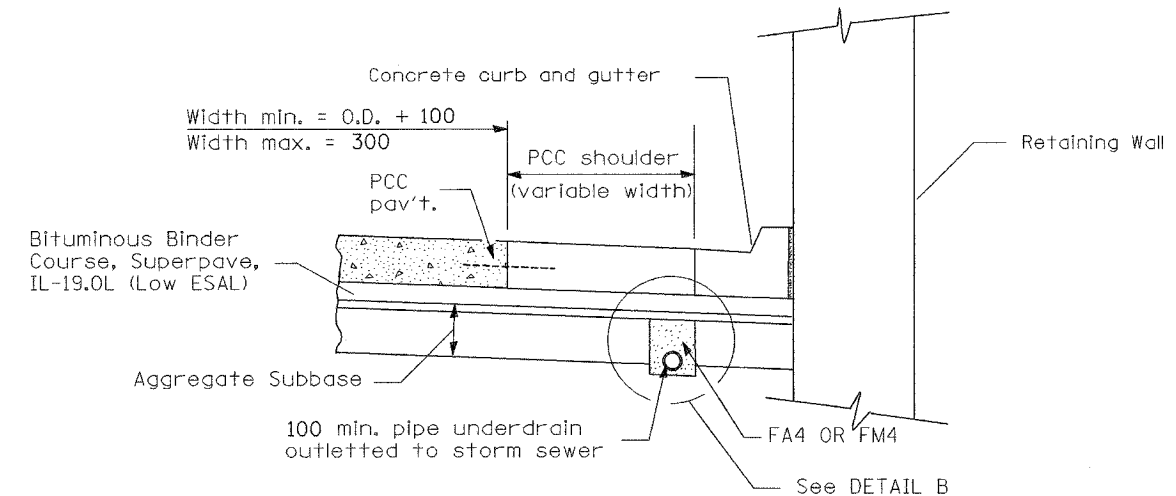
SECTION A-A



TRENCH FOR CORRUGATED POLYETHYLENE TUBING ALTERNATE

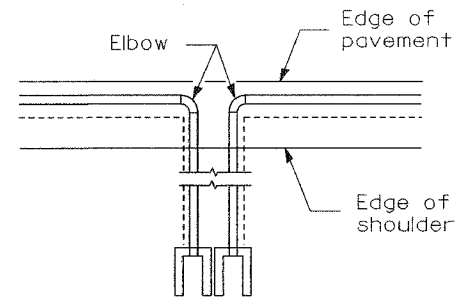


PLAN

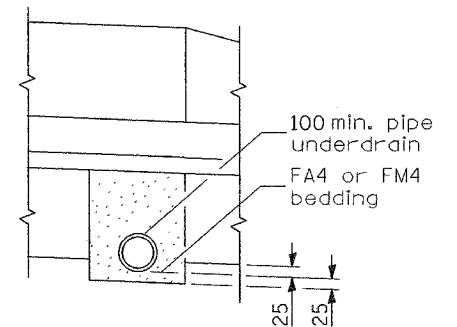


SECTION A-A

AT LOCATION WITH RETAINING WALLS

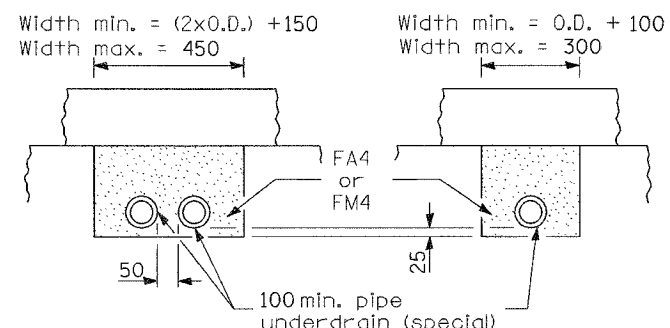


DETAIL A



DETAIL B

All dimensions are in millimeters unless otherwise shown.



SECTION C-C (Sag locations)

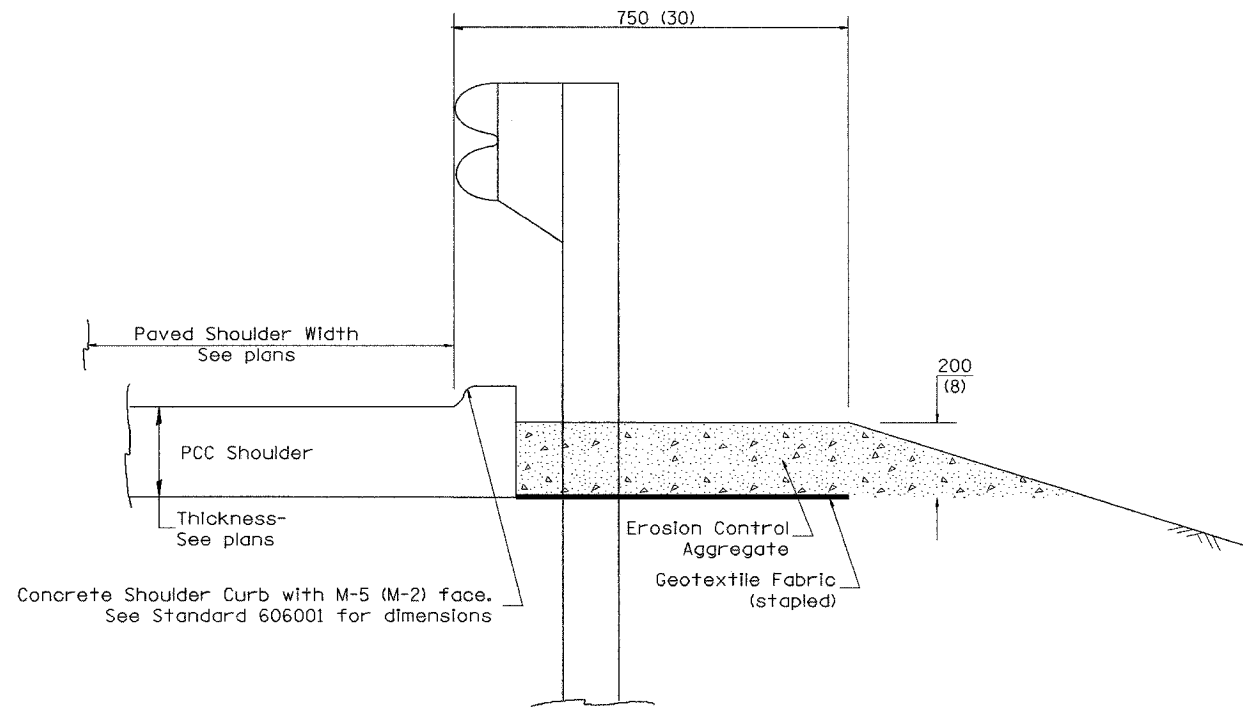
SECTION C-C

REVISIONS	
NAME	DATE
INC. COMMENTS	3/7/02
REM. ENGL.	3/22/02
FA4 OR FM4	4/17/02
DETAIL B	12/10/03

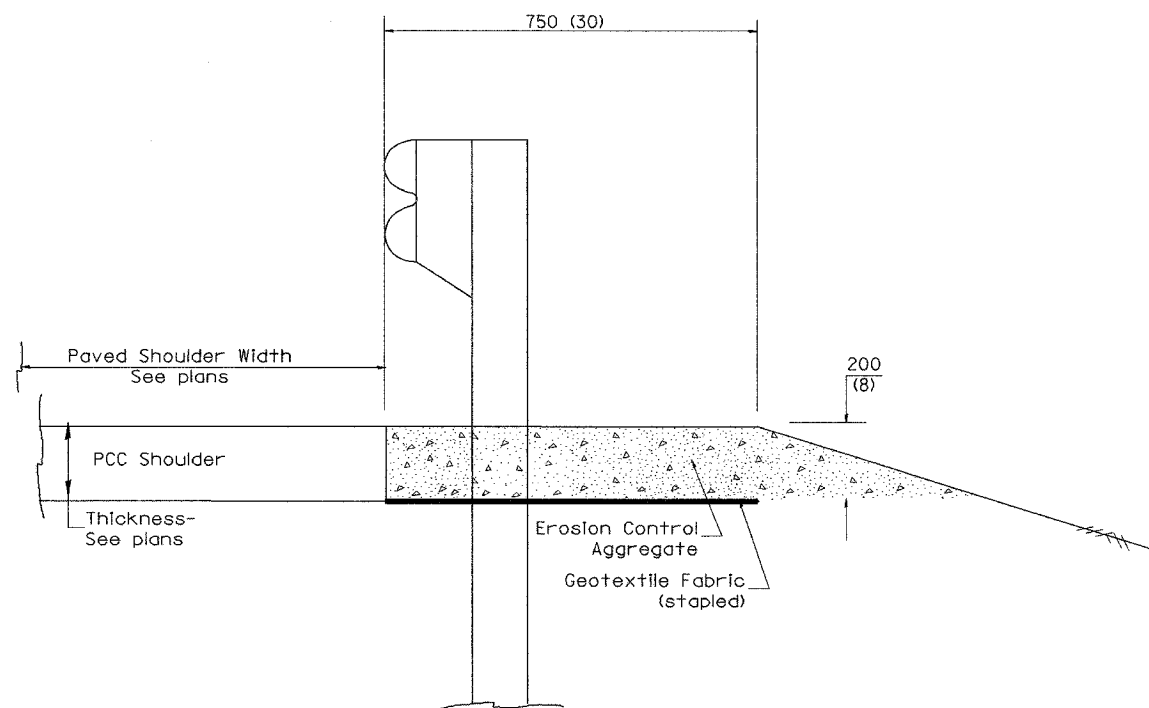
SHEET 10 OF 14
 ILLINOIS DEPARTMENT OF TRANSPORTATION
 I-74 PROJECT STANDARD 601001-I74
 SUB-SURFACE DRAINS
 DRAWN BY
 CHECKED BY
 DATE 09/21/01

CONTRACT I-74 PLAN SET 3 OF 4 FINAL PLANS 1/05

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			1366	1091
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



TYPICAL SECTION WITH CONCRETE SHOULDER CURB



TYPICAL SECTION WITHOUT CONCRETE SHOULDER CURB

GENERAL NOTES: CONCRETE SHOULDER CURB

- Concrete shoulder curb shall be constructed in accordance with Section 662 of the Standard Specifications.

GENERAL NOTES: GUARDRAIL AGGREGATE EROSION CONTROL

- This work shall consist of furnishing and installing geotextile fabric and staples, and furnishing, placing and shaping crushed aggregate around and behind Steel Plate Beam Guardrail posts in accordance with Plan Details.
- Before placing the aggregate and the Geotextile Fabric, weeds and grass shall be removed from the area to be covered.
- After the area has been prepared, and in a dry condition, the Geotextile fabric shall be placed with a 300(12) minimum overlap. A knife cut for guardrail post installation is necessary.
- The aggregate shall be deposited, compacted and shaped by either mechanical or hand methods, in a manner reasonably true to line and grade.
- The Contractor shall have the option of placing the guardrail before or after the Geotextile Fabric and Aggregate are in place. If the guardrail is placed after the Geotextile Fabric and Aggregate, then any voids must be filled and the aggregate returned to line and grade.
- Materials shall meet the following requirements:
 - The crushed aggregate shall be CA1 gradation in accordance with Article 1004.01(c) of the Standard Specifications.
 - The Geotextile Fabric shall be nonwoven fabric in accordance with Article 1080.02 of the Standard Specifications.

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

SHEET 11 OF 14

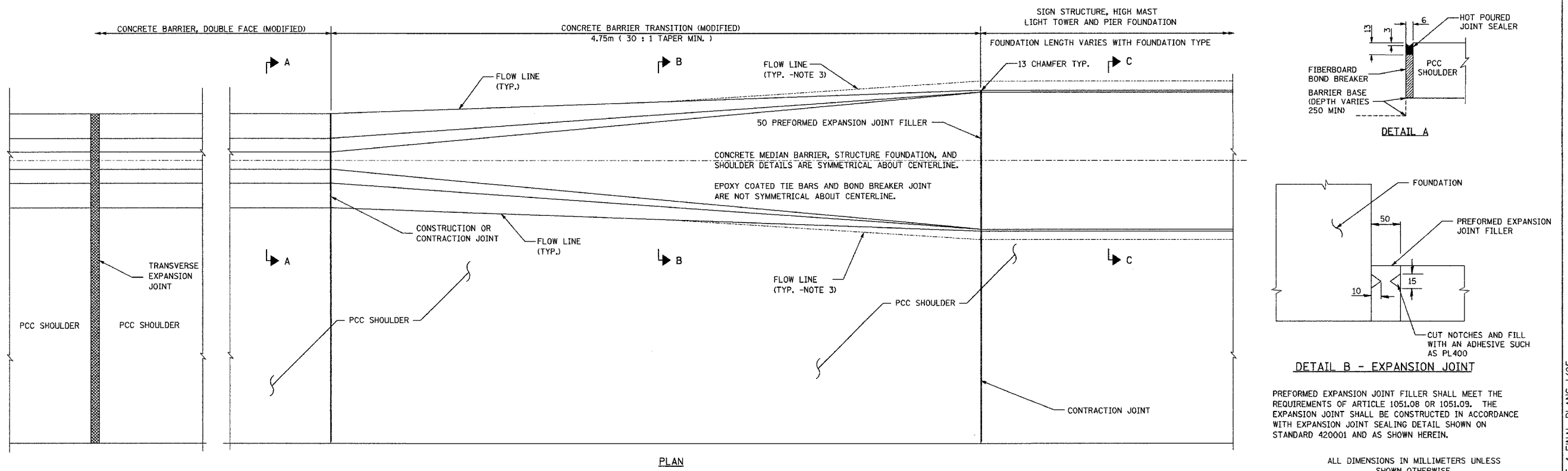
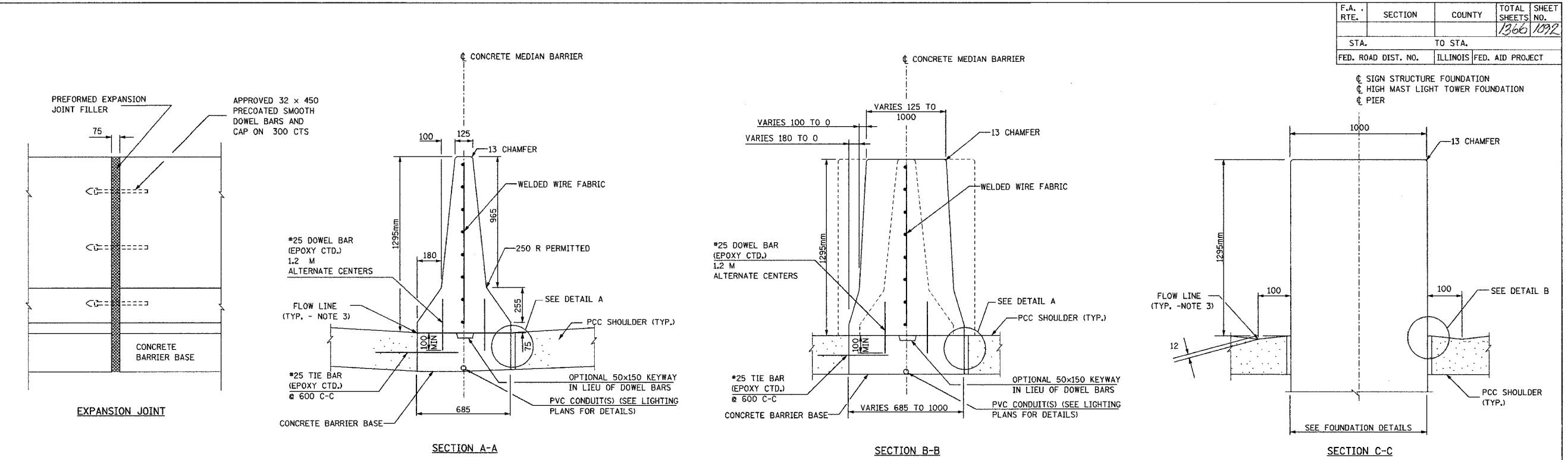
REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION I-74 PROJECT STANDARD 630101-I74 GUARDRAIL AGGREGATE EROSION CONTROL TREATMENT & CONCRETE SHOULDER CURB
NAME	DATE	
3/28/01		SCALE: NOT DRAWN TO SCALE DATE 12/19/00
		DRAWN BY CHECKED BY

DESIGNER NOTE:
 1. Use CONCRETE SHOULDER CURB at guardrail installations where grades are equal to or greater than 1% and at inlets.
 2. Use GUARDRAIL AGGREGATE EROSION CONTROL at guardrail installations where grades are less than 1% (include District Special Provision)
 3. Include State Standard 606001 showing M-5 (M-2) curb face. Include State Standards 609001, 609006 or 610001 if applicable.
 4. Include the following District Cadd Standards as needed: Slope Drains for Exposed Pipes; Slope Drains for Buried Pipes; Seepage Collars for Buried Pipes; Seepage Collars for Exposed Pipes; Concrete Thrust Blocks and Pipe Elbow.

DCN-ONLY

CONTRACT # PLAN SET 3 OF 4 FINAL PLANS 1/05

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			1366	1092
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			



NOTES:

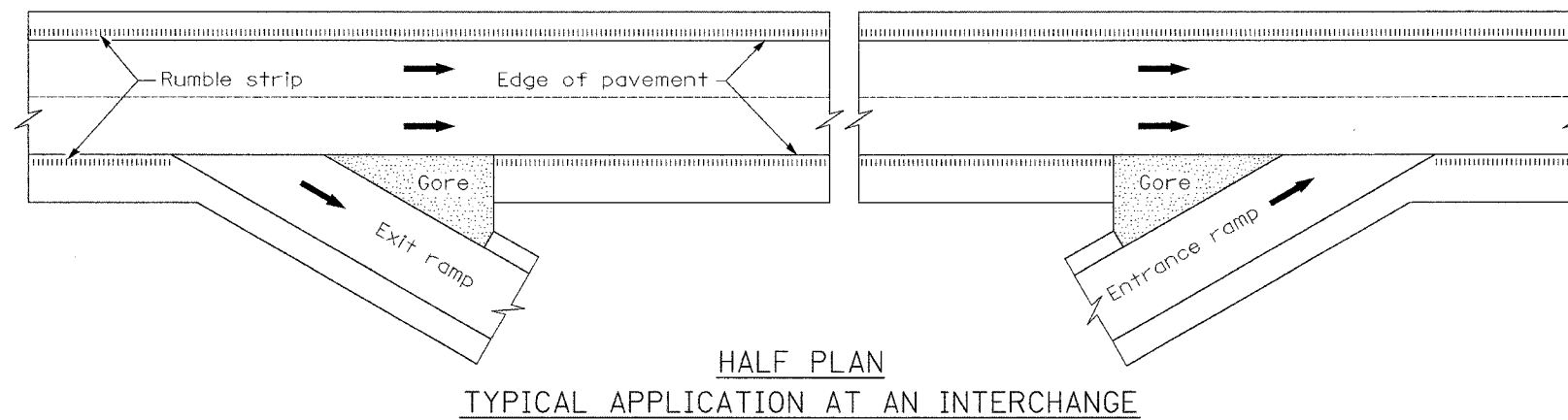
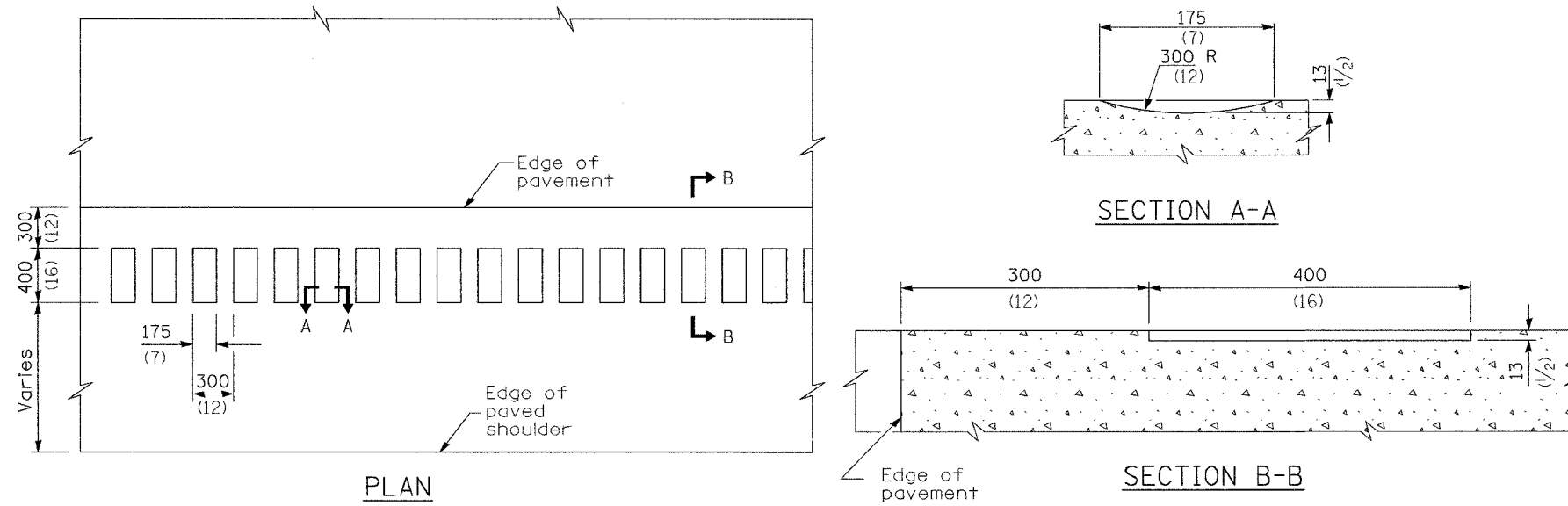
- FOR SHOULDER AND UNDERDRAIN DETAILS SEE I-74 PROJECT STDS 483001-I74 AND 601001-I74.
- TAPER LENGTH REQUIRED FOR TRANSITION TO 1 METER WIDTH WILL BE 4.75m.
- PROPOSED DRAINAGE PROFILE IN THE VICINITY OF SAG VERTICAL CURVES AND ALONG FLAT GRADES SHALL BE CAREFULLY CONTROLLED AND FIELD ADJUSTED IF NECESSARY TO ENSURE POSITIVE DRAINAGE AND AVOID PONDING.
- A 25 RADIUS CAN BE SUBSTITUTED FOR THE 13 CHAMFER AT THE TOP OF THE BARRIER WALL.
- REINFORCING BARS AND WELDED WIRE FABRIC SHALL BE SEATED IN THE FINAL POSITION PRIOR TO THE CONCRETE OPERATIONS. BARS CANNOT BE MUCKED INTO PLACE.
- AT FOUNDATION MEDIAN TRANSITIONS, PCC SHOULDER CONTRACTION JOINTS SHOULD BE ALIGNED WITH MEDIAN BARRIER CONTRACTION JOINTS AND EXPANSION JOINTS.
- DETAILS SHOWN FOR I-74 STANDARD BARRIER, DETAILS FOR VARIABLE HEIGHT BARRIER SIMILAR.
- TRANSVERSE EXPANSION JOINT THRU THE PAVEMENT AND THE SHOULDER SHALL BE EXTENDED THRU THE CONCRETE BARRIER

REVISIONS	
NAME	DATE
FLARED BASES	9/23/02
DOWEL BAR SPACING	2/11/03
REM DIFF BARRIER	6/20/03
EXPANSION JOINT	10/7/03

ILLINOIS DEPARTMENT OF TRANSPORTATION
 I-74 PROJECT STANDARD 637001-I74
 CONCRETE BARRIER, DOUBLE FACE (MODIFIED) & CONCRETE BARRIER TRANSITION (MODIFIED) FOR SIGN STRUCTURE, HIGH MAST LIGHT TOWER, AND PIER FOUNDATIONS
 DRAWN BY
 DATE 08/15/02
 CHECKED BY

CONTRACT IN PLAN SET 3 OF 4 FINAL PLANS 1/05

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			1366	1093
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



GENERAL NOTES

On Portland cement concrete shoulders, no shoulder rumble strip shall be located closer than 150 mm (6") to a transverse joint.

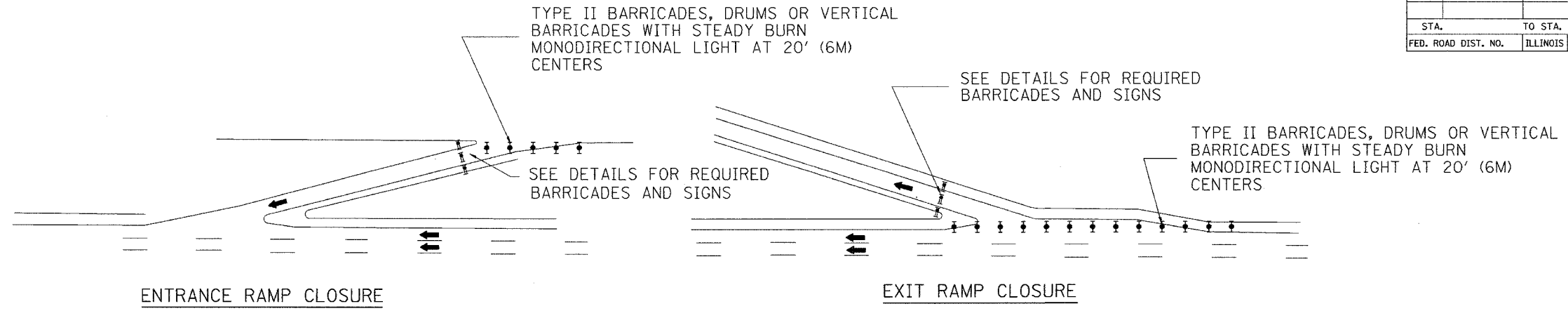
Omit shoulder rumble strips across structures.

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

SHEET 13 OF 14

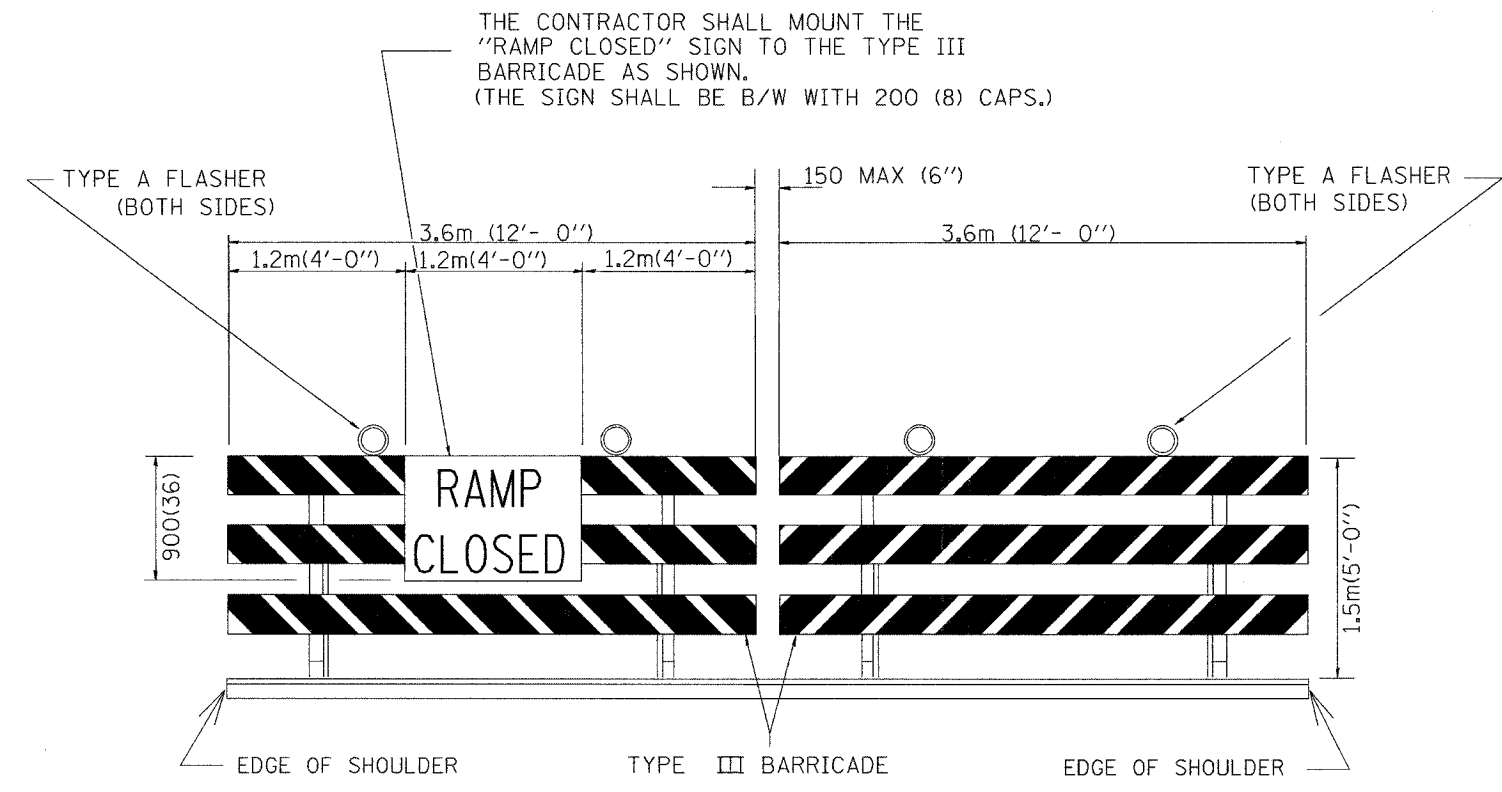
REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		I-74 PROJECT STANDARD 642001-I74
		I-74 SHOULDER RUMBLE STRIPS
		DRAWN BY
		CHECKED BY
		DATE 06/10/04

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			1366	1094
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



ENTRANCE RAMP CLOSURE

EXIT RAMP CLOSURE



DETAIL FOR REQUIRED BARRICADES & SIGNS



PLACE 150 M (500') IN ADVANCE OF RAMP

BLACK LEGEND ON ORANGE REFLECTORIZED BACKGROUND
RAMP CLOSED AHEAD SIGN

NOTES:

REFLECTORIZED STRIPING MAY BE OMITTED ON THE BACK SIDE OF THE BARRICADES. IF A TYPE III BARRICADE WITH AN ATTACHED SIGN PANEL WHICH MEETS NCHRP 350 IS NOT AVAILABLE, THE SIGN MAY BE MOUNTED ON AN NCHRP 350 TEMPORARY SIGN SUPPORT DIRECTLY IN FRONT OF THE BARRICADE.

CONES MAY BE SUBSTITUTED FOR TYPE I AND TYPE II BARRICADES AND DRUMS DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 700 (28') IN HEIGHT.

SHEET 14 OF 14
All dimensions are in millimeters (inches) unless otherwise noted.

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION I-74 PROJECT STANDARD 701411-I74 ENTRANCE AND EXIT RAMP CLOSURE DETAILS
NAME	DATE	
HS 04-2004	4/27/04	DRAWN BY CHECKED BY DATE 10/9/01

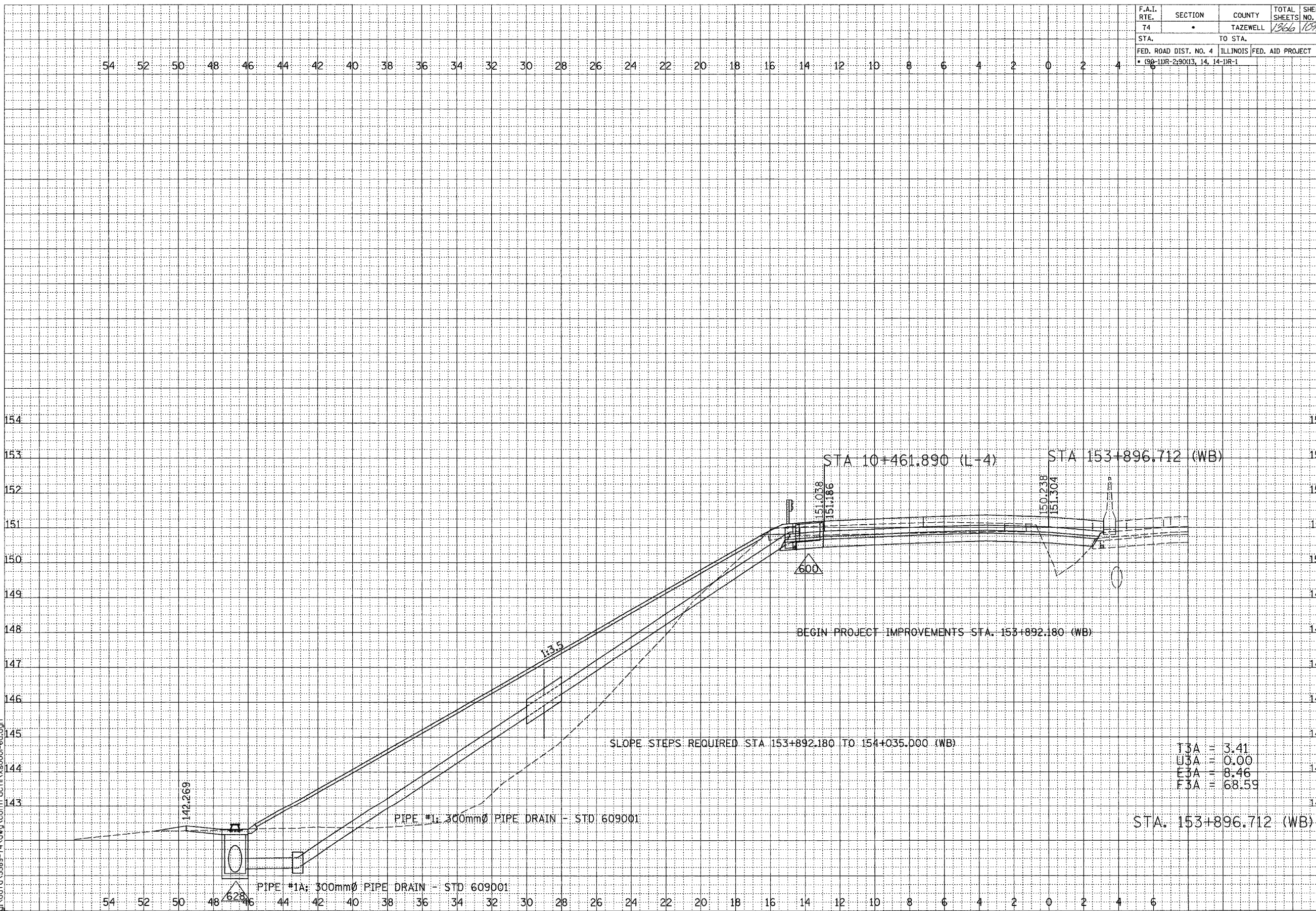
CONTRACT I: PLAN SET 3 OF 4 FINAL PLANS 1/05

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	*	TAZEWELL	1366	1095
STA.		TO STA.		
FED. ROAD DIST. NO. 4		ILLINOIS FED. AID PROJECT		
* 98-11R-2, 9013, 14, 14-1R-1				

FINAL SURVEY NO.	SURVEYED BY	DATE



ORIGINAL SURVEY NO.	SURVEYED BY	DATE



SCALE
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V 1: 50

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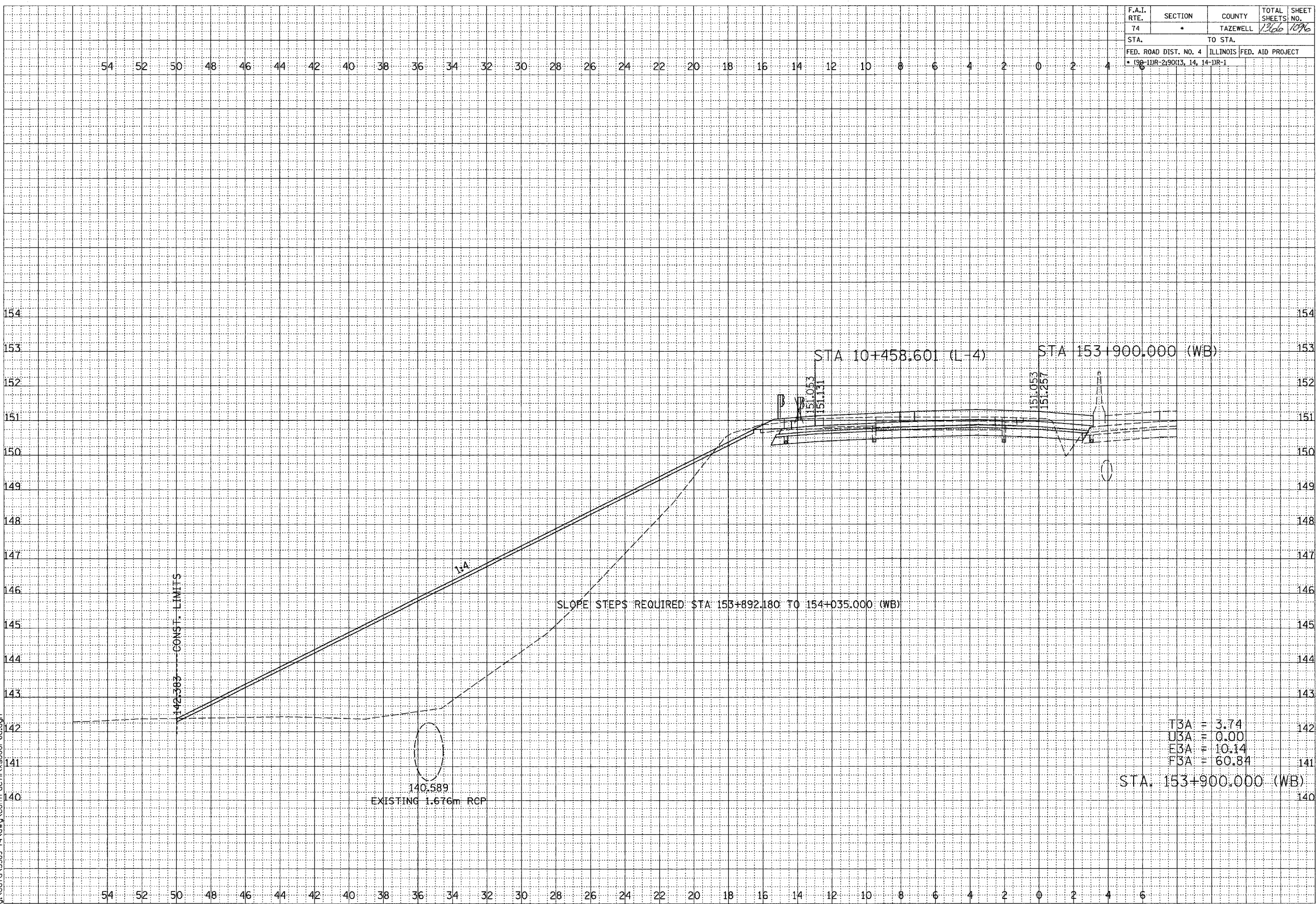
F.A.I. ROUTE 74 (I-74)

SHEET 1 OF 67

CONTRACT 11: PLAN SET 2 OF 3 FINAL PLANS 1/3/04

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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	*	TAZEWELL	1366	1096
STA. TO STA.		FED. ROAD DIST. NO. 4 ILLINOIS FED. AID PROJECT		
6		98-11R-290(13, 14, 14-DR-1		



T3A = 3.74
 U3A = 0.00
 E3A = 10.14
 F3A = 60.84
 STA. 153+900.000 (WB)

SLOPE STEPS REQUIRED: STA: 153+892.180 TO 154+035.000 (WB)

140.589
 EXISTING 1.676m RCP

142-383
 CONST. LIMITS

NO.	AREAS CHECKED	DATE

NO.	AREAS CHECKED	DATE



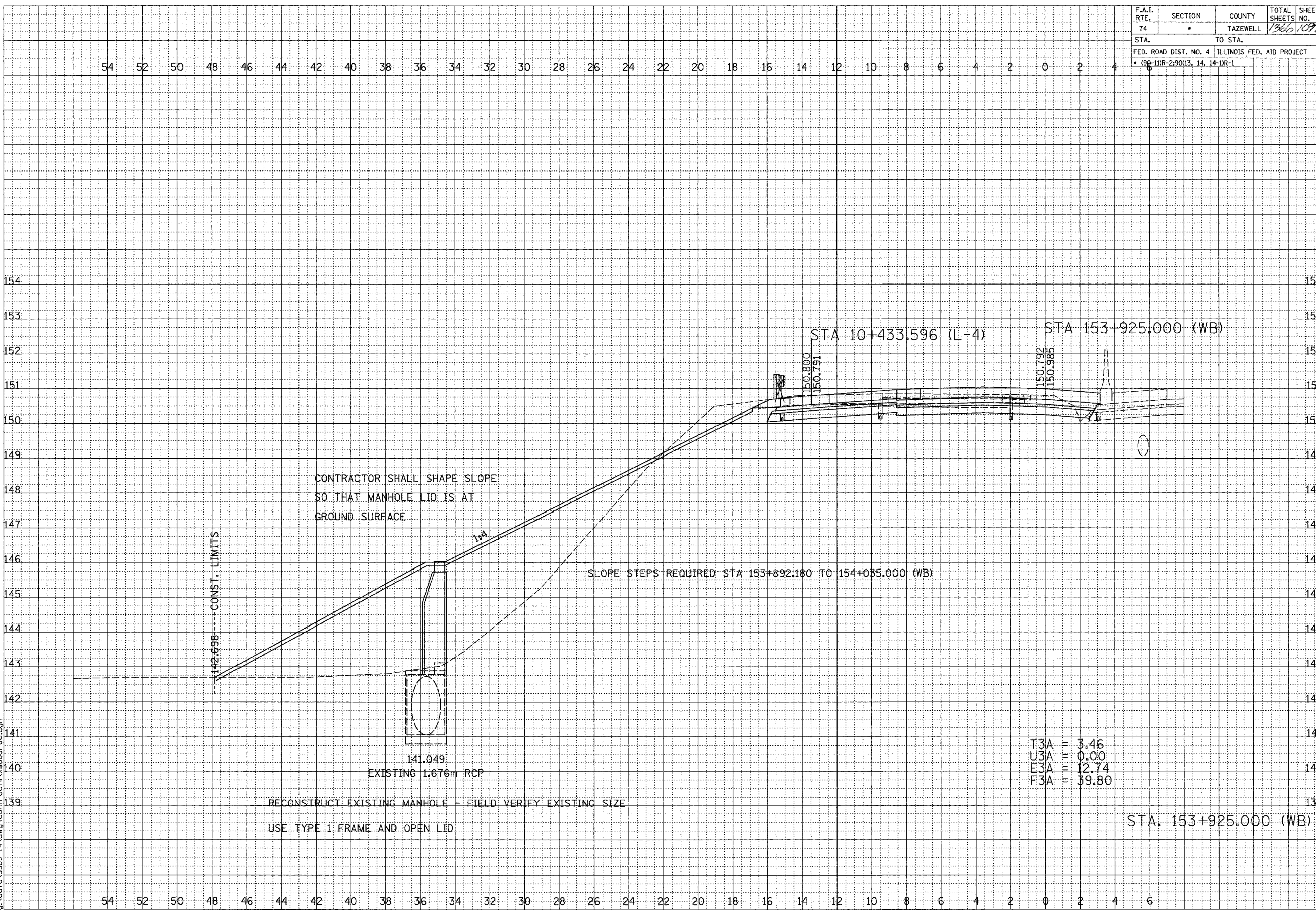
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 V 1: 50

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CONTRACT I: PLAN SET 2 OF 3 FINAL PLANS 1/3/04

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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	*	TAZEWELL	1366	1097
STA.		TO STA.		
FED. ROAD DIST. NO. 4		ILLINOIS FED. AID PROJECT		
* 99-11R-2, 90(13, 14, 14-1R-1				



T3A = 3.46
 U3A = 0.00
 E3A = 12.74
 F3A = 39.80

STA. 153+925.000 (WB)

CONTRACTOR SHALL SHAPE SLOPE
 SO THAT MANHOLE LID IS AT
 GROUND SURFACE

SLOPE STEPS REQUIRED STA 153+892.180 TO 154+035.000 (WB)

RECONSTRUCT EXISTING MANHOLE - FIELD VERIFY EXISTING SIZE
 USE TYPE 1 FRAME AND OPEN LID

141.049
 EXISTING 1.676m RCP

142.698 --- CONST. LIMITS



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

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

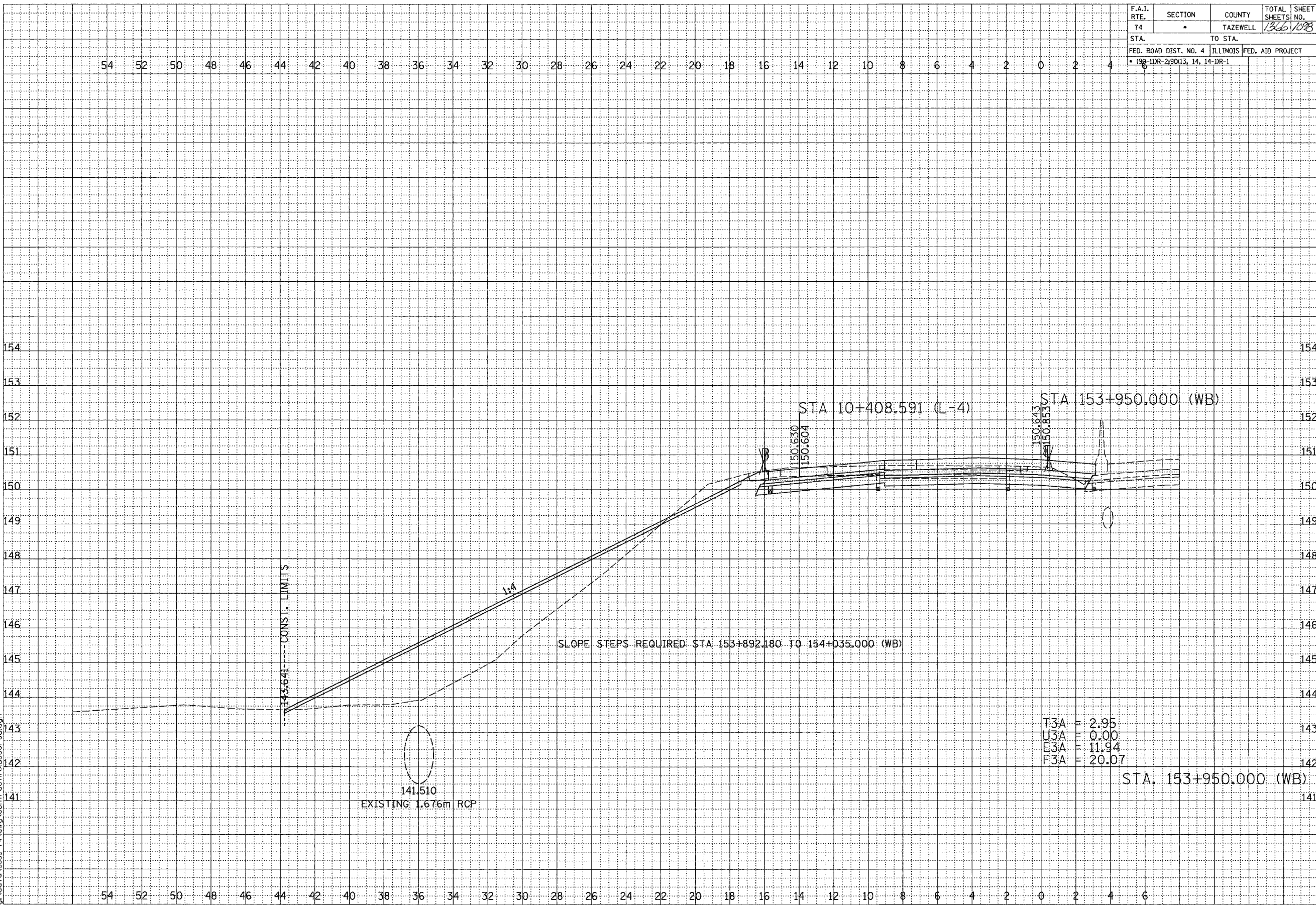
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CONTRACT 11: PLAN SET 2 OF 3 FINAL PLANS 1/7/04

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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	*	TAZEWELL	1366	1028
STA.		TO STA.		
FED. ROAD DIST. NO. 4		ILLINOIS FED. AID PROJECT		
* 99-11R-29013, 14, 14-1R-1				



T3A = 2.95
 U3A = 0.00
 E3A = 11.94
 F3A = 20.07

STA. 153+950.000 (WB)

CONTRACT I: PLAN SET 2 OF 3 FINAL PLANS 1/3/04

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



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

SCALE
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 V 1: 50

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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	*	TAZEWELL	1366	1099
STA.		TO STA.		
FED. ROAD DIST. NO. 4		ILLINOIS	FED. AID PROJECT	
* (99-11R-2, 9013, 14, 14-DR-1)				

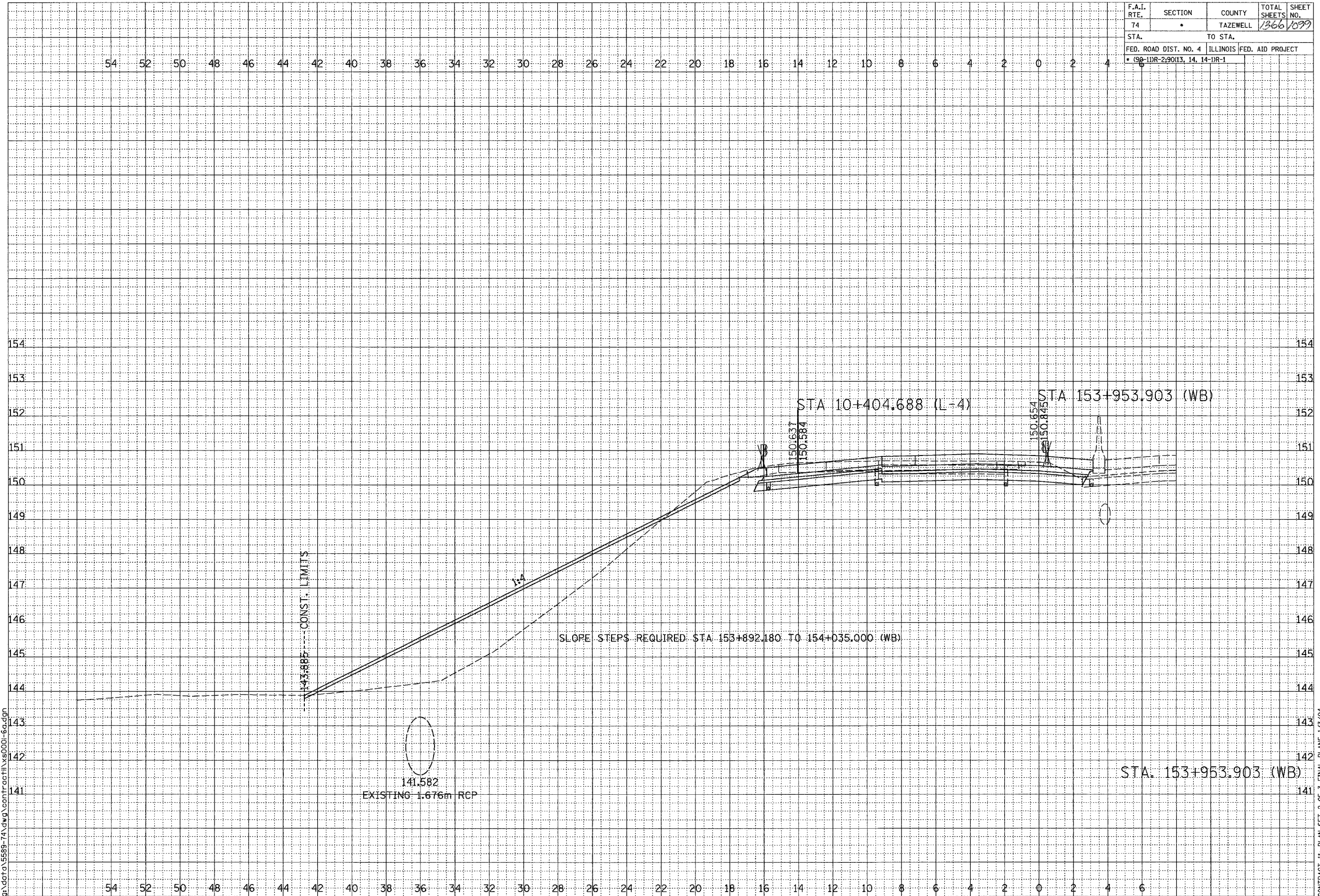
FINAL SURVEY NOTE BOOK NO.	SURVEYED PLOTTED AREA DATE AREAS CHECKED	BY	DATE



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

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SCALE
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 V 1: 50



STA. 153+953.903 (WB)

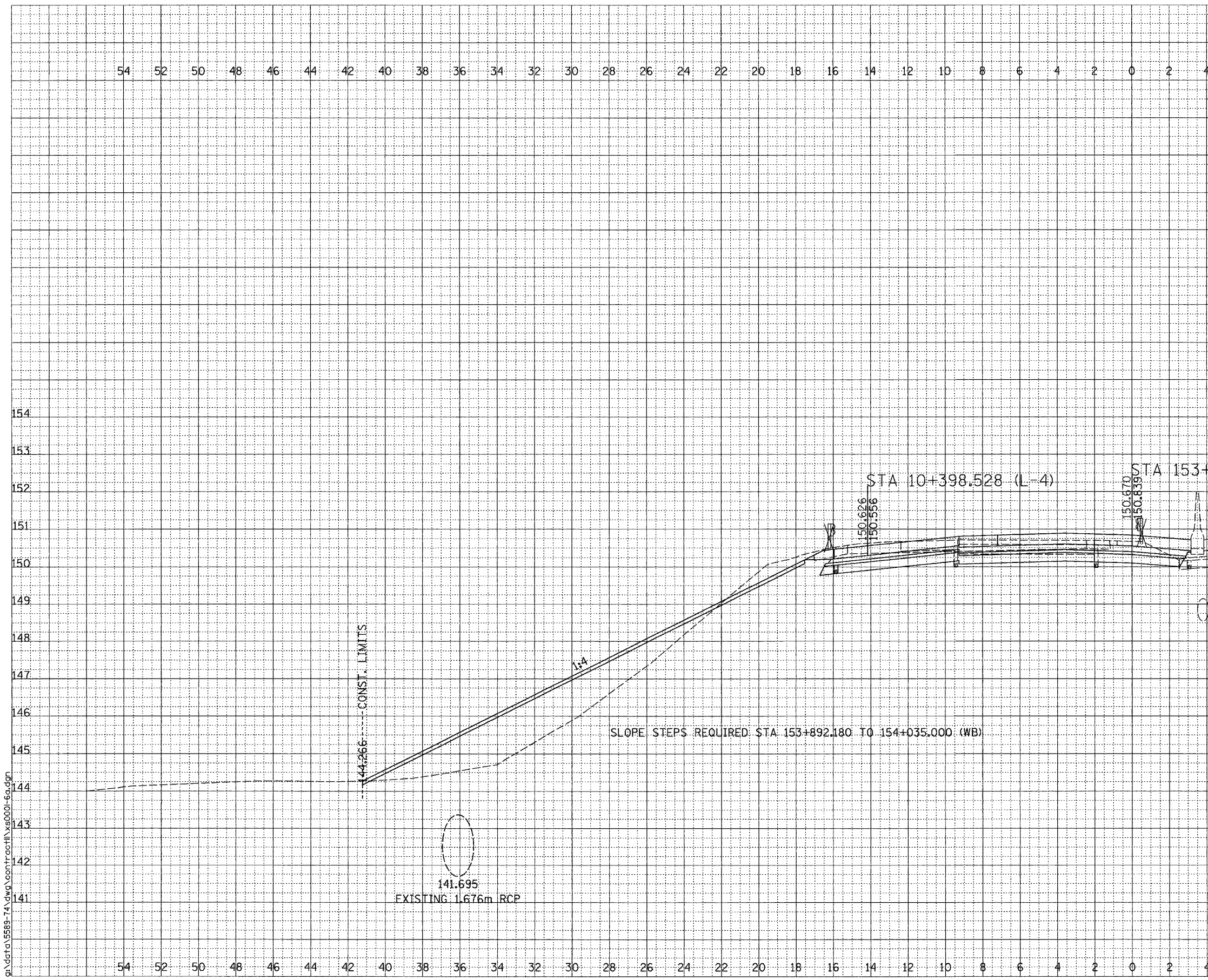
F.A.I. ROUTE 74 (I-74)

SHEET 5 OF 67

CONTRACT 143 PLAN SET 2 OF 3 FINAL PLANS 1/3/04

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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	*	TAZEWELL	1366	1100
STA.		TO STA.		
FED. ROAD DIST. NO. 4		ILLINOIS	FED. AID PROJECT	
* 198-11R-290(13, 14, 14-1R-1)				



DATE	BY
SURVEYED	
PLOTTED	
NOTE BOOK	
AREAS	
CHECKED	



DATE	BY
ORIGINAL SURVEY	
PLOTTED	
NOTE BOOK	
AREAS	
CHECKED	

SCALE
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 V 1: 50

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F.A.I. ROUTE 74 (I-74)

SHEET 6 OF 67

CONTRACT 11: PLAN SET 2 OF 3 FINAL PLANS 1/3/04