CONTRACT NO. 64560

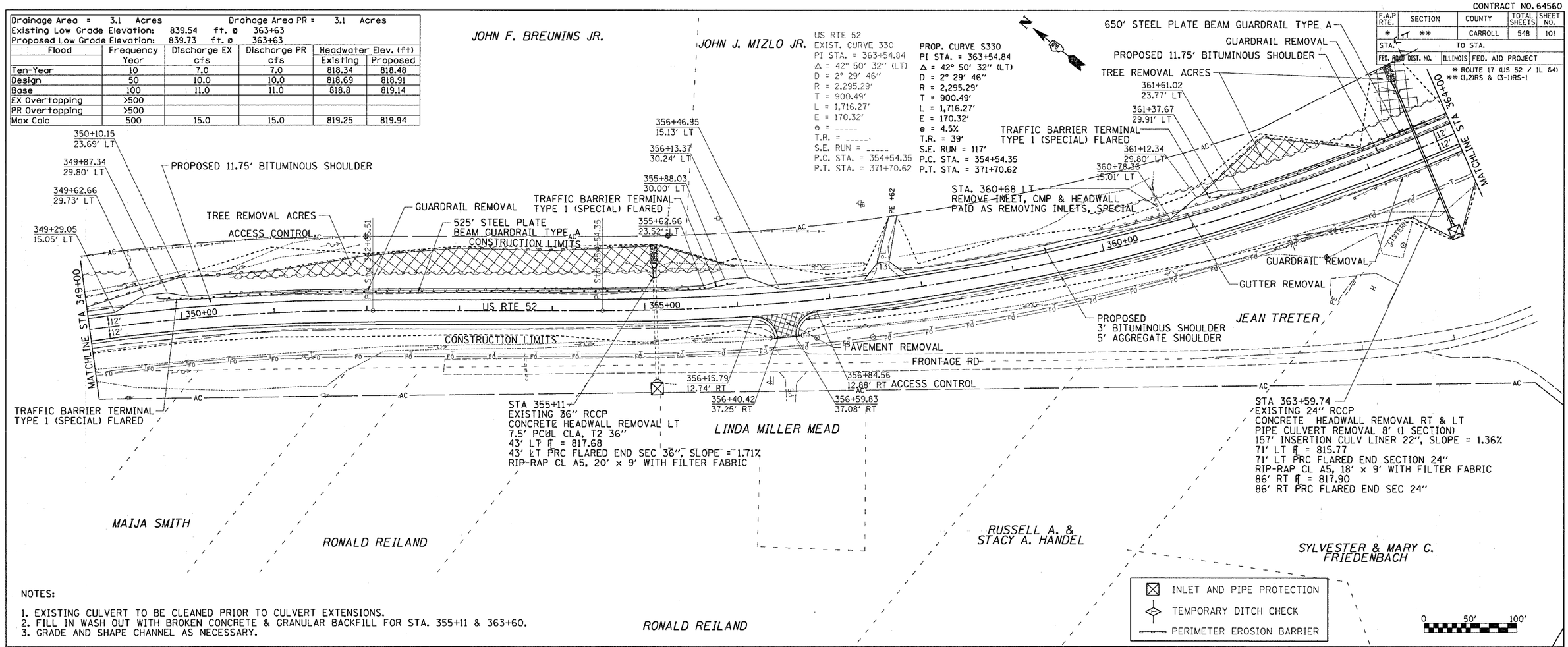
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	CARROLL	54B	101
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* ROUTE 17 (US 52 / IL 64)
** (1,2)RS & (3-1)RS-1

Drainage Area = 3.1 Acres			Drainage Area PR = 3.1 Acres	
Existing Low Grade Elevation: 839.54 ft. @ 363+63				
Proposed Low Grade Elevation: 839.73 ft. @ 363+63				
Flood	Frequency Year	Discharge EX cfs	Discharge PR cfs	Headwater Elev. (ft) Existing / Proposed
Ten-Year	10	7.0	7.0	818.34 / 818.48
Design	50	10.0	10.0	818.69 / 818.91
Base	100	11.0	11.0	818.8 / 819.14
EX Overtopping	>500			
PR Overtopping	>500			
Max Calc	500	15.0	15.0	819.25 / 819.94

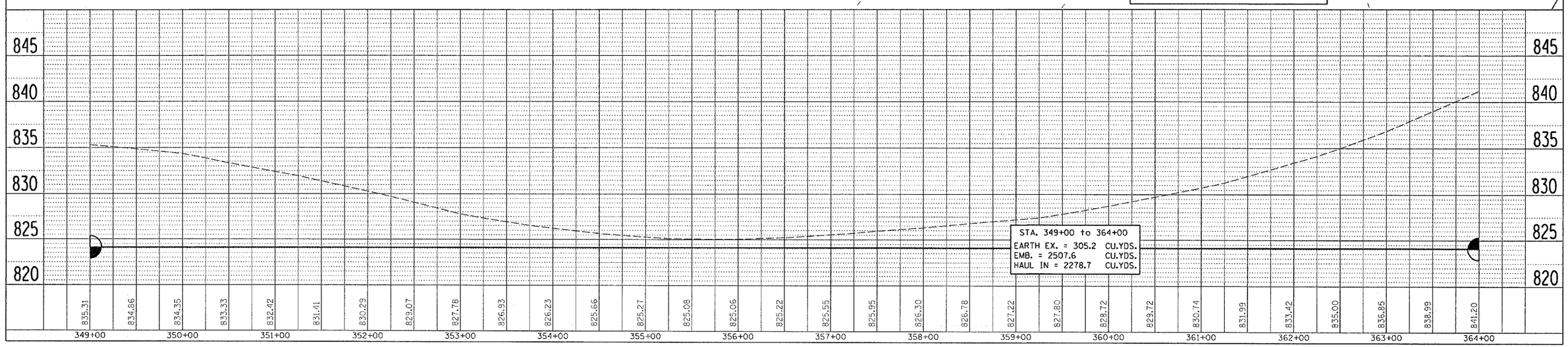
US RTE 52
EXIST. CURVE 330
PI STA. = 363+54.84
Δ = 42° 50' 32" (LT)
D = 2° 29' 46"
R = 2,295.29'
T = 900.49'
L = 1,716.27'
E = 170.32'
e = -----
T.R. = -----
S.E. RUN = -----
P.C. STA. = 354+54.35
P.T. STA. = 371+70.62

PROP. CURVE S330
PI STA. = 363+54.84
Δ = 42° 50' 32" (LT)
D = 2° 29' 46"
R = 2,295.29'
T = 900.49'
L = 1,716.27'
E = 170.32'
e = 4.5%
T.R. = 39'
S.E. RUN = 117'
P.C. STA. = 354+54.35
P.T. STA. = 371+70.62



NOTES:

1. EXISTING CULVERT TO BE CLEANED PRIOR TO CULVERT EXTENSIONS.
2. FILL IN WASH OUT WITH BROKEN CONCRETE & GRANULAR BACKFILL FOR STA. 355+11 & 363+60.
3. GRADE AND SHAPE CHANNEL AS NECESSARY.



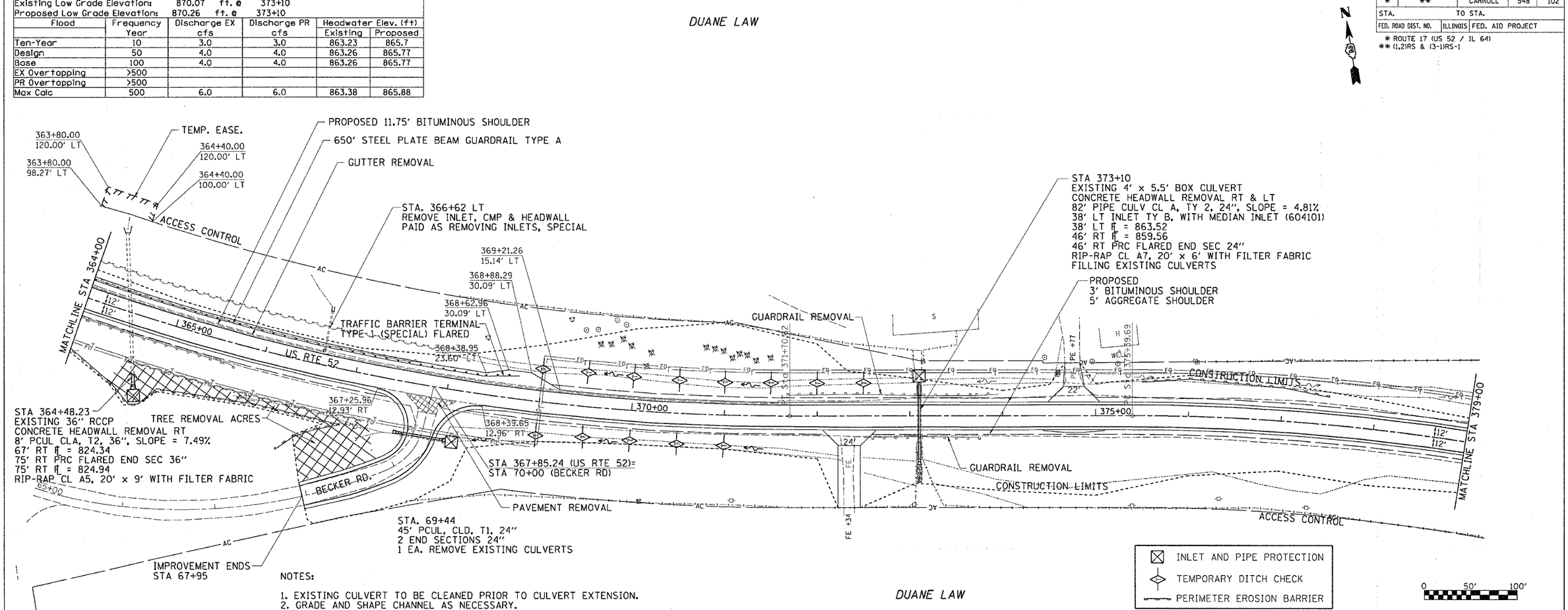
US RTE 52

CONTRACT NO. 64560

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	CARROLL	548	102
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

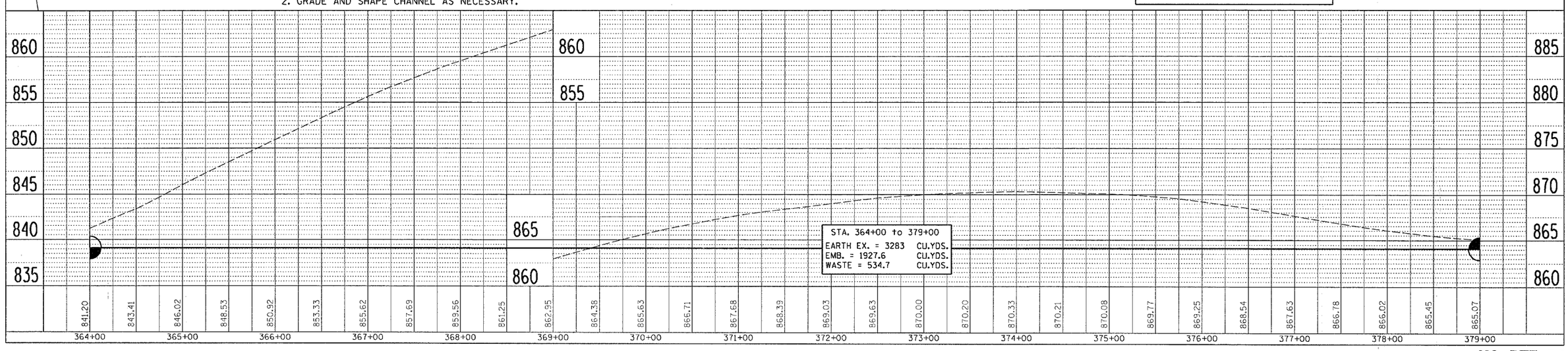
* ROUTE 17 (US 52 / IL 64)
** (1,2)RS & (3-1)RS-1

Drainage Area = 1.0 Acres			Drahage Area PR = 1.0 Acres		
Existing Low Grade Elevation:	870.07 ft. @	373+10			
Proposed Low Grade Elevation:	870.26 ft. @	373+10			
Flood	Frequency Year	Discharge EX cfs	Discharge PR cfs	Headwater Elev. (ft) Existing	Proposed
Ten-Year	10	3.0	3.0	863.23	865.7
Design	50	4.0	4.0	863.26	865.77
Base	100	4.0	4.0	863.26	865.77
EX Overtopping	>500				
PR Overtopping	>500				
Max Calc	500	6.0	6.0	863.38	865.88



NOTES:

1. EXISTING CULVERT TO BE CLEANED PRIOR TO CULVERT EXTENSION.
2. GRADE AND SHAPE CHANNEL AS NECESSARY.



US RTE 52

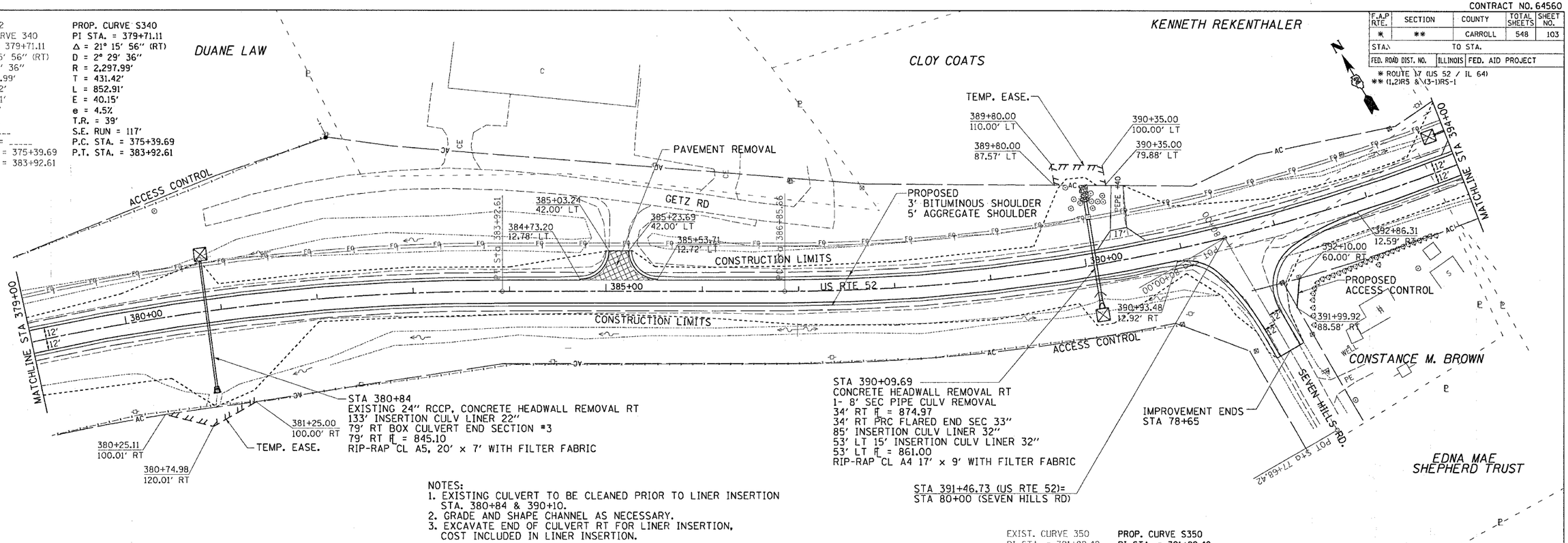
CONTRACT NO. 64560

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	CARROLL	548	103
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* ROUTE 17 (US 52 / IL 64)
** (1,2)RS & (3-1)RS-1

US RTE 52
EXIST. CURVE 340
PI STA. = 379+71.11
Δ = 21° 15′ 56″ (RT)
D = 2° 29′ 36″
R = 2,297.99′
T = 431.42′
L = 852.91′
E = 40.15′
e = _____
T.R. = _____
S.E. RUN = _____
P.C. STA. = 375+39.69
P.T. STA. = 383+92.61

PROP. CURVE S340
PI STA. = 379+71.11
Δ = 21° 15′ 56″ (RT)
D = 2° 29′ 36″
R = 2,297.99′
T = 431.42′
L = 852.91′
E = 40.15′
e = 4.5%
T.R. = 39′
S.E. RUN = 117′
P.C. STA. = 375+39.69
P.T. STA. = 383+92.61



NOTES:
1. EXISTING CULVERT TO BE CLEANED PRIOR TO LINER INSERTION STA. 380+84 & 390+10.
2. GRADE AND SHAPE CHANNEL AS NECESSARY.
3. EXCAVATE END OF CULVERT RT FOR LINER INSERTION, COST INCLUDED IN LINER INSERTION.

Drainage Area = 3.3 Acres — Drahage Area PR = 3.3 Acres
Existing Low Grade Elevation: 865.07 ft. @ 380+74
Proposed Low Grade Elevation: 865.26 ft. @ 380.74

Flood	Frequency Year	Discharge EX cfs	Discharge PR cfs	Headwater Elev. (ft) Existing	Headwater Elev. (ft) Proposed
Ten-Year	10	6.0	6.0	860.3	860.3
Design	50	9.0	9.0	860.4	860.40
Base	100	10.0	10.0	860.43	860.43
EX Overtopping	>500				
PR Overtopping	>500				
Max Calc	500	14.0	14.0	860.53	860.53

Drainage Area = 2.3 Acres — Drahage Area PR = 2.3 Acres
Existing Low Grade Elevation: 879.16 ft. @ 390+08
Proposed Low Grade Elevation: 879.35 ft. @ 390+08

Flood	Frequency Year	Discharge EX cfs	Discharge PR cfs	Headwater Elev. (ft) Existing	Headwater Elev. (ft) Proposed
Ten-Year	10	5.0	5.0	875.21	875.56
Design	50	7.0	7.0	875.39	875.77
Base	100	8.0	8.0	875.48	875.86
EX Overtopping	>500				
PR Overtopping	>500				
Max Calc	500	11.0	11.0	875.71	876.13

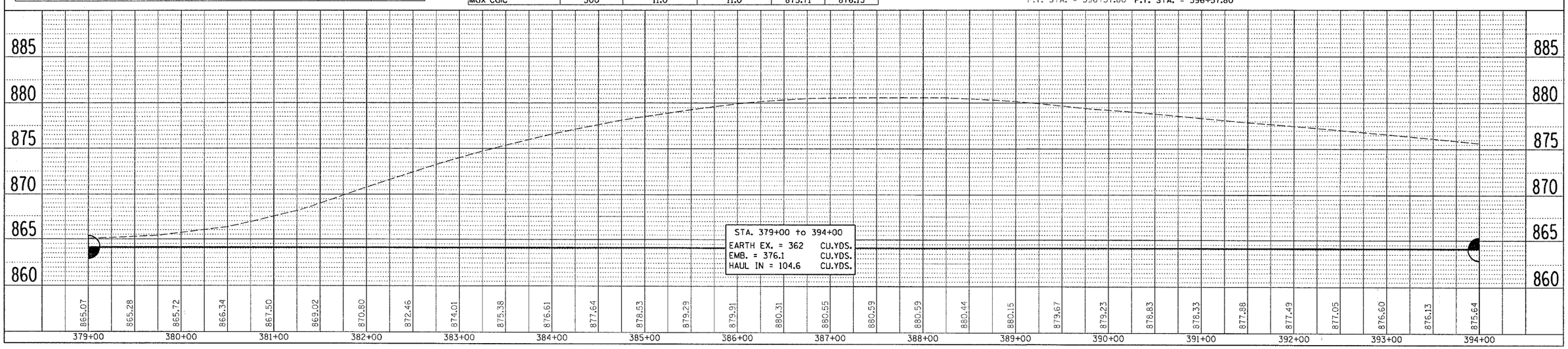
DUANE LAW

EXIST. CURVE 350
PI STA. = 391+82.42
Δ = 29° 03′ 17″ (LT)
D = 2° 59′ 19″
R = 1,917.06′
T = 496.76′
L = 972.14′
E = 63.32′
e = _____
T.R. = _____
S.E. RUN = _____
P.C. STA. = 386+85.66
P.T. STA. = 396+57.80

PROP. CURVE S350
PI STA. = 391+82.42
Δ = 29° 03′ 17″ (LT)
D = 2° 59′ 19″
R = 1,917.06′
T = 496.76′
L = 972.14′
E = 63.32′
e = 5.0%
T.R. = 39′
S.E. RUN = 129′
P.C. STA. = 386+85.66
P.T. STA. = 396+57.80

INLET AND PIPE PROTECTION
TEMPORARY DITCH CHECK
PERIMETER EROSION BARRIER

0 50′ 100′



STA. 379+00 to 394+00
EARTH EX. = 362 CU.YDS.
EMB. = 376.1 CU.YDS.
HAUL IN = 104.6 CU.YDS.

PLAN — NOTE BOOK NO. ____ — SURVEYED / PLOTTED / ALIGNMENT CHECKED / GRADES CHECKED / CADD FILE NAME / BY / DATE

PROFILE — NOTE BOOK NO. ____ — SURVEYED / PLOTTED / GRADES CHECKED / ALIGNMENT CHECKED / STRUCTURE NOTATIONS CHKD / BY / DATE

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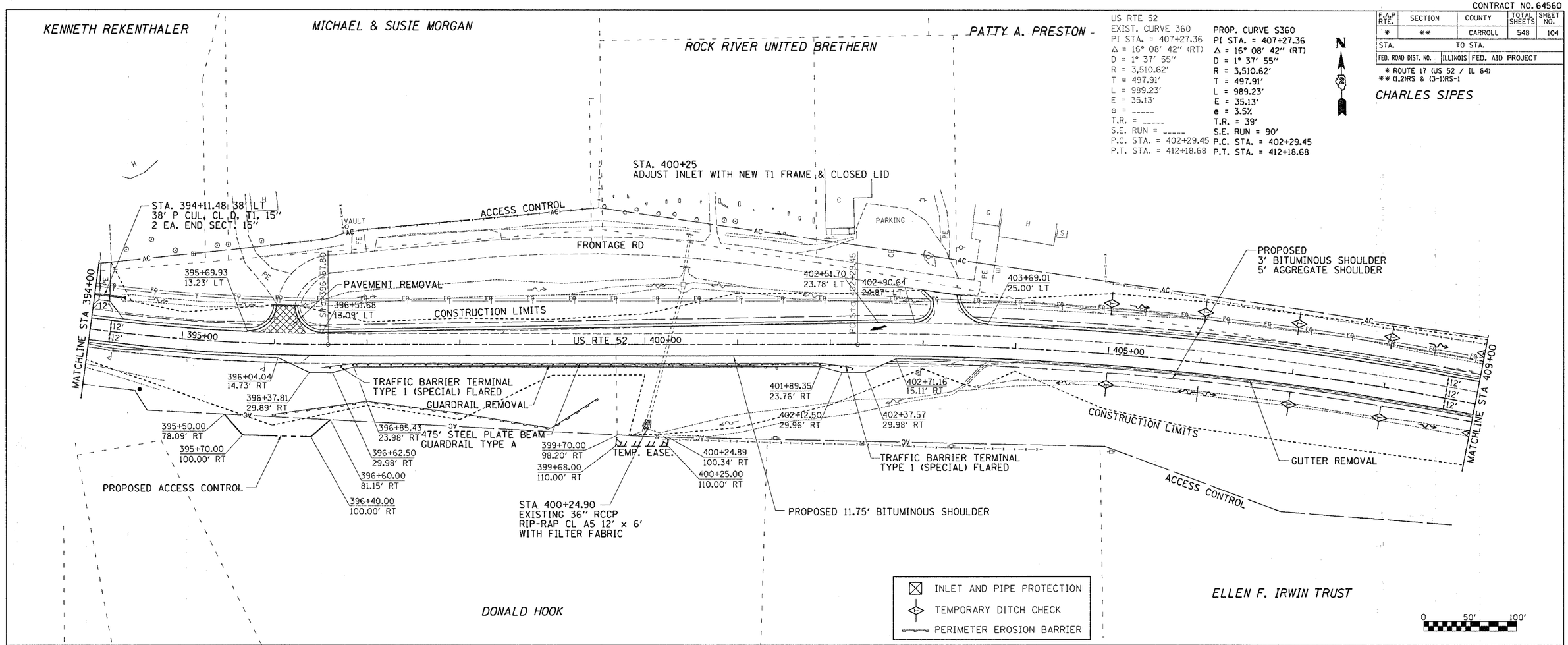
US RTE 52

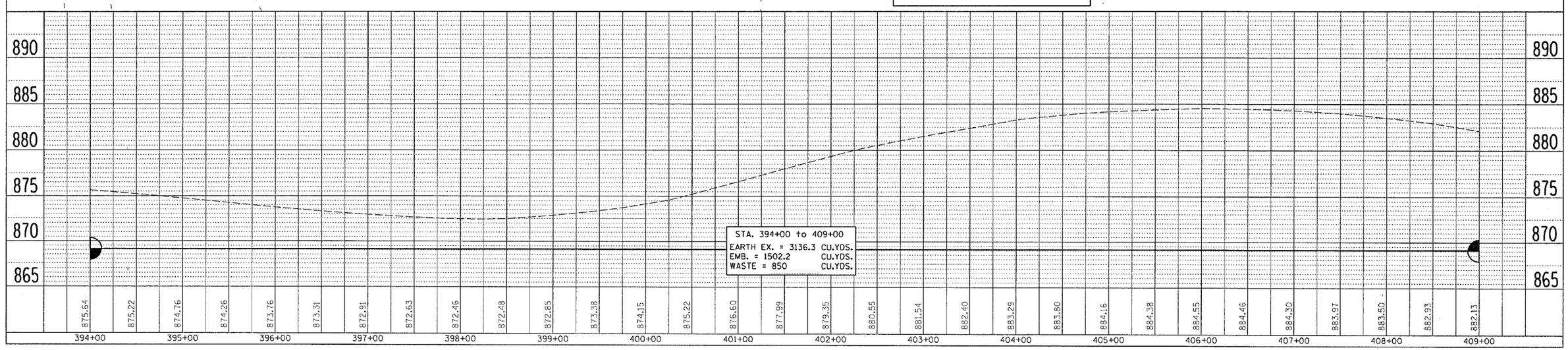
CONTRACT NO. 64560

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	CARROLL	548	104
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* ROUTE 17 (US 52 / IL 64)
** (1,2)RS & (3-11)RS-1

US RTE 52	
EXIST. CURVE 360	PROP. CURVE S360
PI STA. = 407+27.36	PI STA. = 407+27.36
Δ = 16° 08' 42" (RT)	Δ = 16° 08' 42" (RT)
D = 1° 37' 55"	D = 1° 37' 55"
R = 3,510.62'	R = 3,510.62'
T = 497.91'	T = 497.91'
L = 989.23'	L = 989.23'
E = 35.13'	E = 35.13'
e = -----	e = 3.5%
T.R. = -----	T.R. = 39'
S.E. RUN = -----	S.E. RUN = 90'
P.C. STA. = 402+29.45	P.C. STA. = 402+29.45
P.T. STA. = 412+18.68	P.T. STA. = 412+18.68





STA. 394+00 to 409+00
EARTH EX. = 3136.3 CU.YDS.
EMB. = 1502.2 CU.YDS.
WASTE = 850 CU.YDS.

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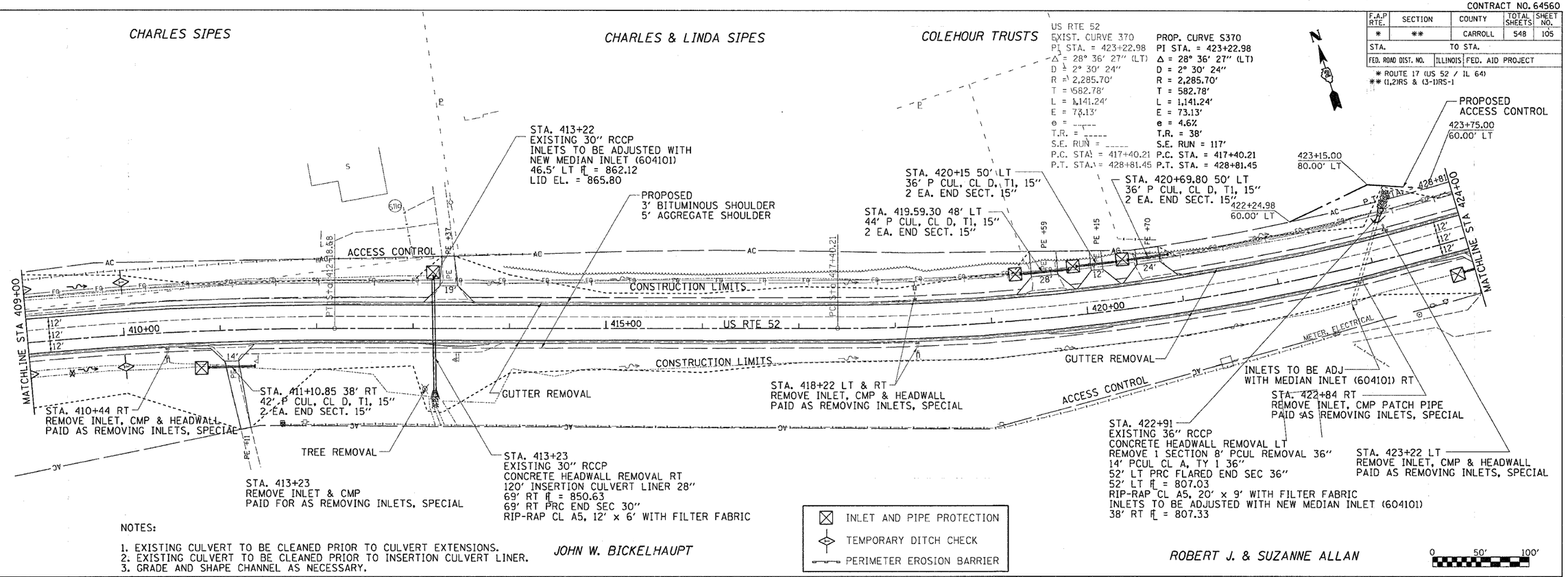
US RTE 52

CONTRACT NO. 64560

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	CARROLL	548	105
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* ROUTE 17 (US 52 / IL 64)
** (1,2)RS & (3-1)RS-1



NOTES:

1. EXISTING CULVERT TO BE CLEANED PRIOR TO CULVERT EXTENSIONS.
2. EXISTING CULVERT TO BE CLEANED PRIOR TO INSERTION CULVERT LINER.
3. GRADE AND SHAPE CHANNEL AS NECESSARY.

- INLET AND PIPE PROTECTION
- TEMPORARY DITCH CHECK
- PERIMETER EROSION BARRIER

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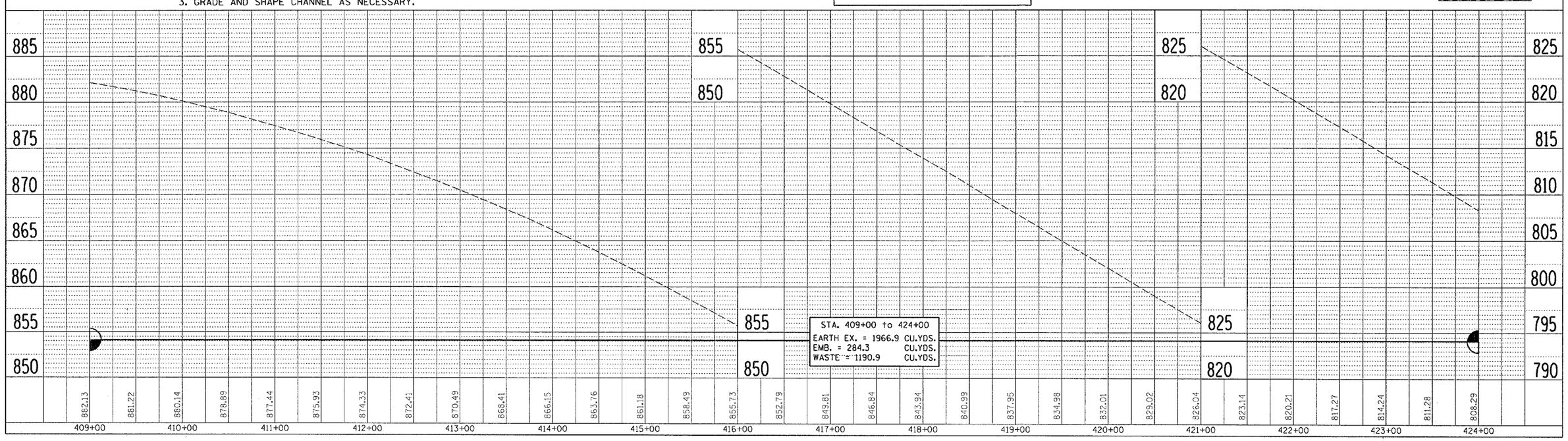

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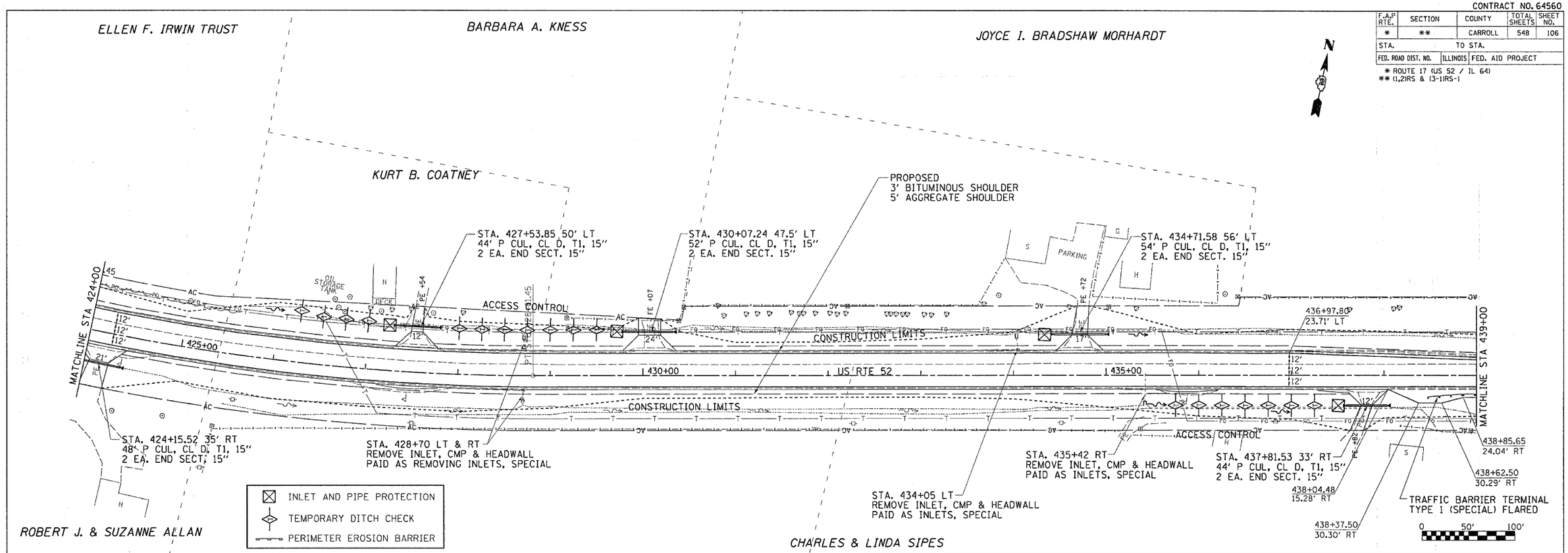
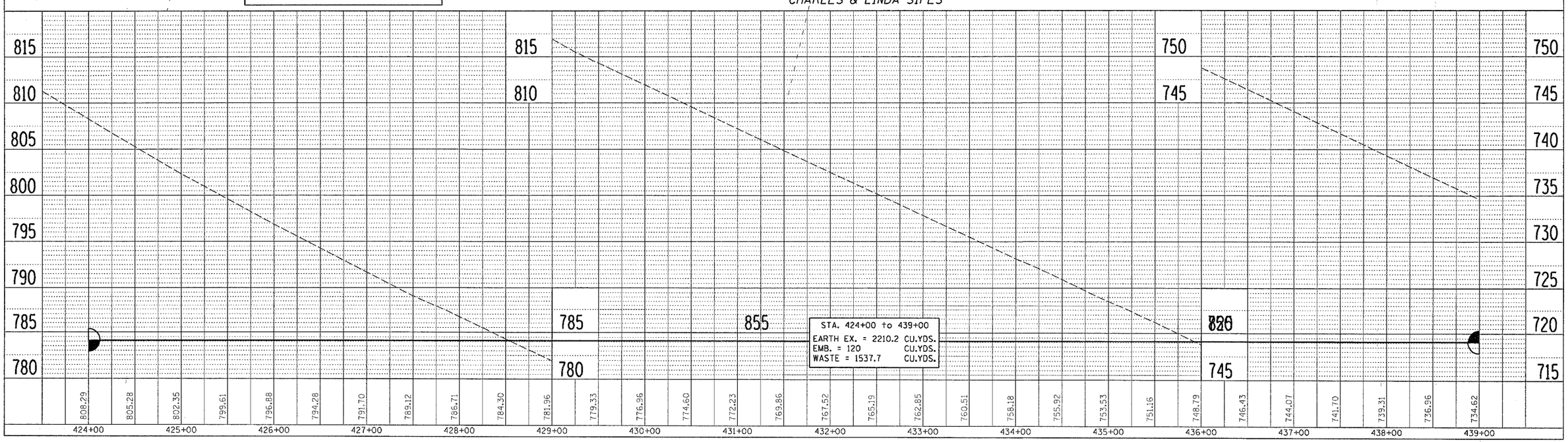
US RTE 52

CONTRACT NO. 64560

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	CARROLL	548	106
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* ROUTE 17 (US 52 / IL 64)
** (1,2)RS & (3-1)RS-1





STA. 424+00 to 439+00
EARTH EX. = 2210.2 CU.YDS.
EMB. = 120 CU.YDS.
WASTE = 1537.7 CU.YDS.

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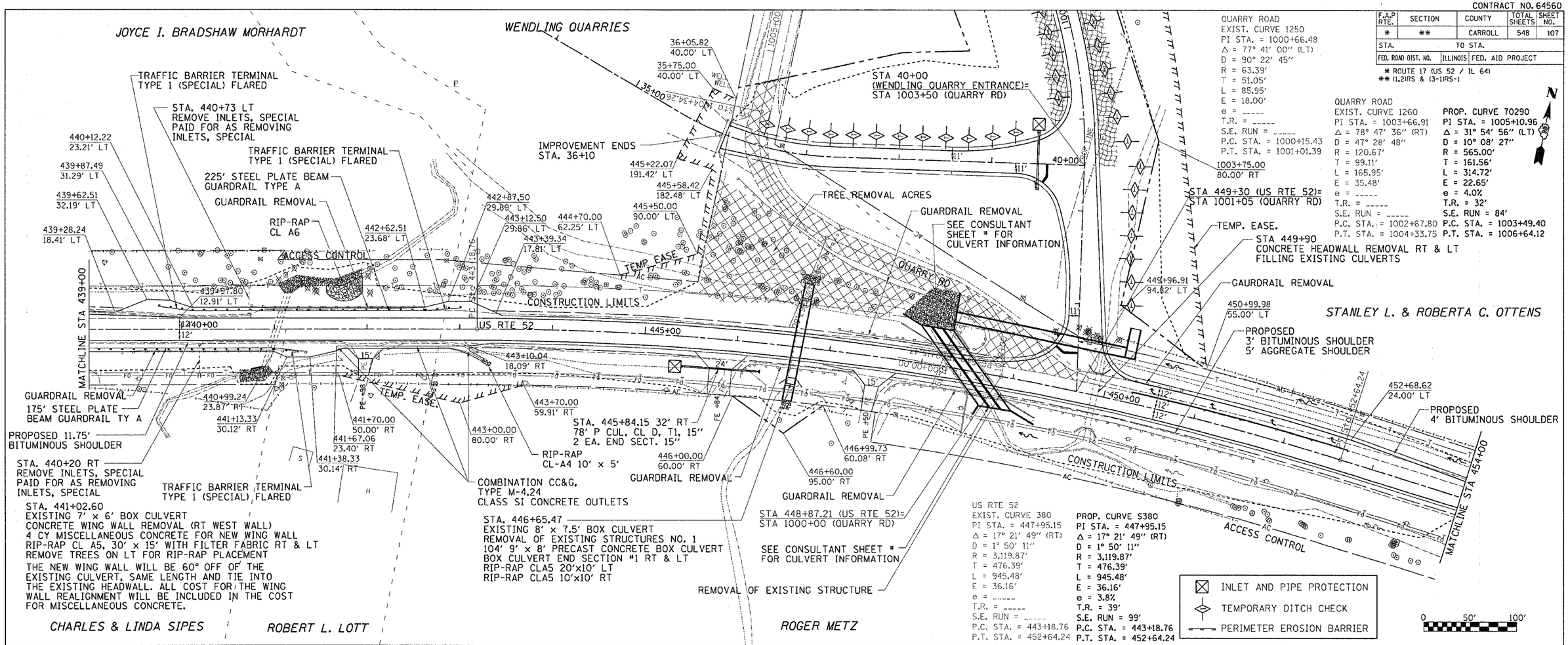
US RTE 52

CONTRACT NO. 64560

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	CARROLL	548	107
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* ROUTE 17 (US 52 / IL 64)
** (1,2)RS & (3-1)RS-1



QUARRY ROAD
EXIST. CURVE 1250
PI STA. = 1000+66.48
Δ = 77° 41' 00" (LT)
D = 90° 22' 45"
R = 63.39'
T = 51.05'
L = 85.95'
E = 18.00'
e = -----
T.R. = -----
S.E. RUN = -----
P.C. STA. = 1000+15.43
P.T. STA. = 1001+01.39

QUARRY ROAD
EXIST. CURVE 1260
PI STA. = 1003+66.91
Δ = 78° 47' 36" (RT)
D = 47° 28' 48"
R = 120.67'
T = 99.11'
L = 165.95'
E = 35.48'
e = -----
T.R. = -----
S.E. RUN = -----
P.C. STA. = 1002+67.80
P.T. STA. = 1004+33.75

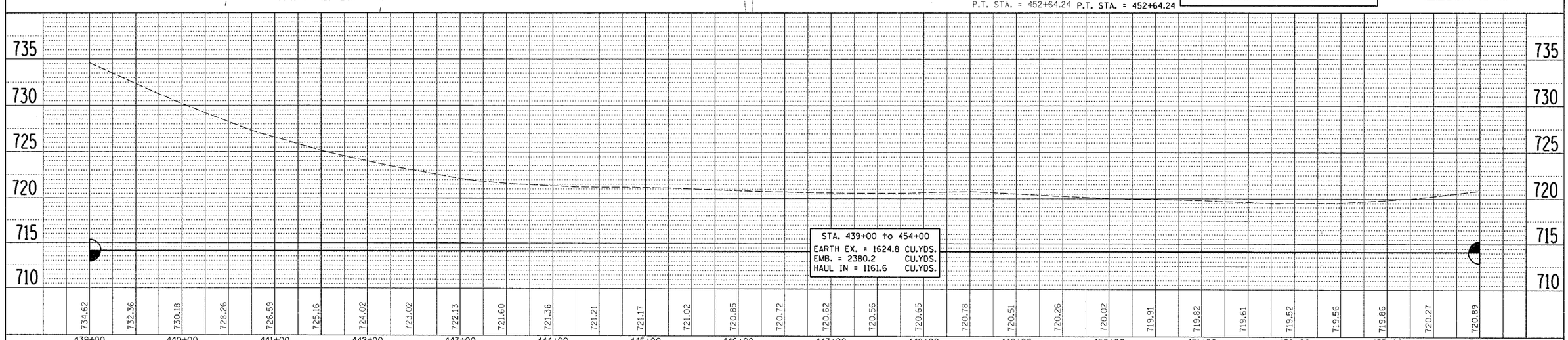
PROP. CURVE 70290
PI STA. = 1005+10.96
Δ = 31° 54' 56" (LT)
D = 10° 08' 27"
R = 565.00'
T = 161.56'
L = 314.72'
E = 22.65'
e = 4.0%
T.R. = 32'
S.E. RUN = 84'
P.C. STA. = 1003+49.40
P.T. STA. = 1006+64.12

US RTE 52
EXIST. CURVE 380
PI STA. = 447+95.15
Δ = 17° 21' 49" (RT)
D = 1° 50' 11"
R = 3,119.87'
T = 476.39'
L = 945.48'
E = 36.16'
e = -----
T.R. = -----
S.E. RUN = -----
P.C. STA. = 443+18.76
P.T. STA. = 452+64.24

PROP. CURVE S380
PI STA. = 447+95.15
Δ = 17° 21' 49" (RT)
D = 1° 50' 11"
R = 3,119.87'
T = 476.39'
L = 945.48'
E = 36.16'
e = 3.8%
T.R. = 39'
S.E. RUN = 99'
P.C. STA. = 443+18.76
P.T. STA. = 452+64.24

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

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



STA. 439+00 to 454+00
EARTH EX. = 1624.8 CU.YDS.
EMB. = 2380.2 CU.YDS.
HAUL IN = 1161.6 CU.YDS.

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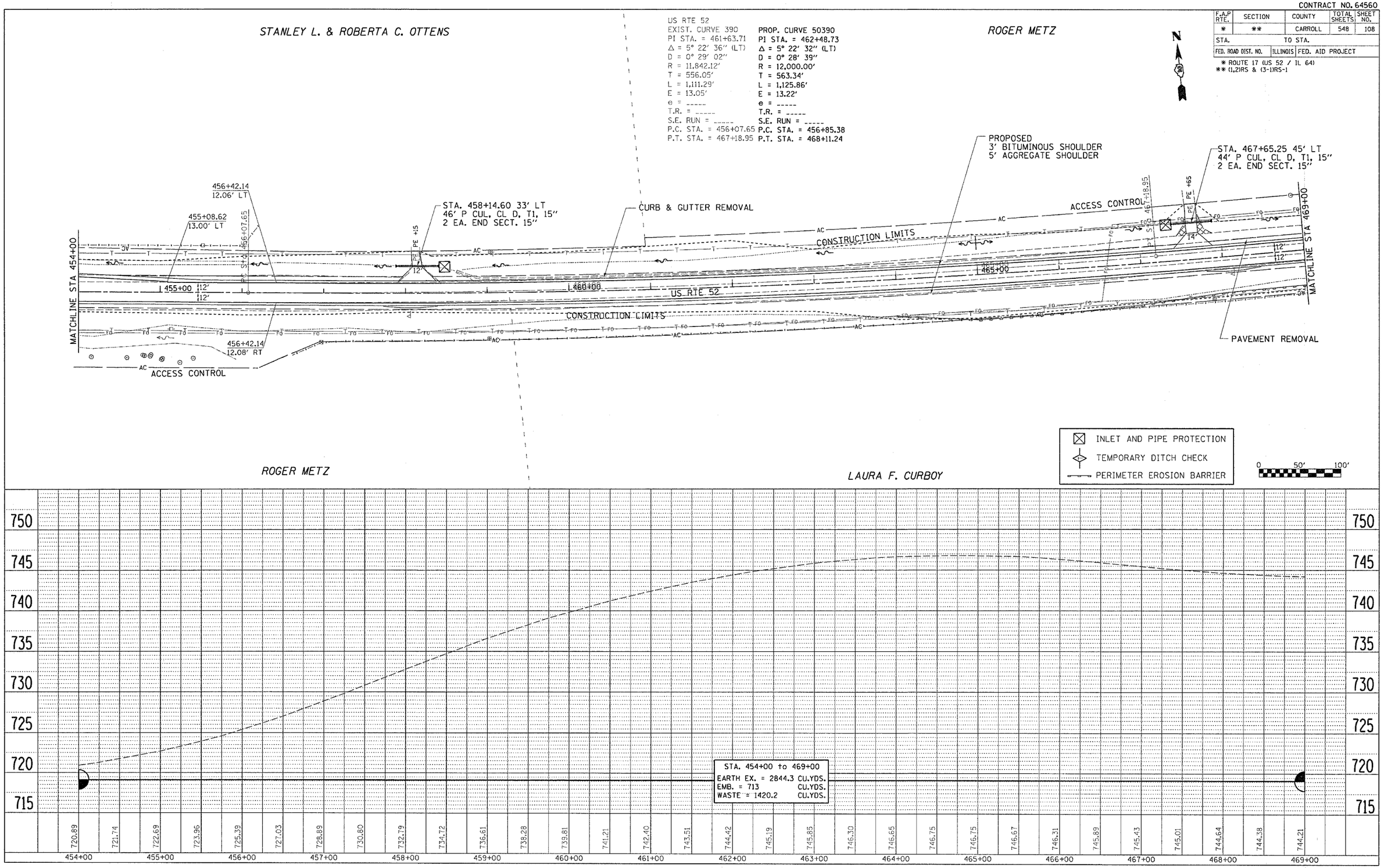
US RTE 52

CONTRACT NO. 64560

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	CARROLL	548	108
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* ROUTE 17 (US 52 / IL 64)
** (1,2)RS & (3-1)RS-1



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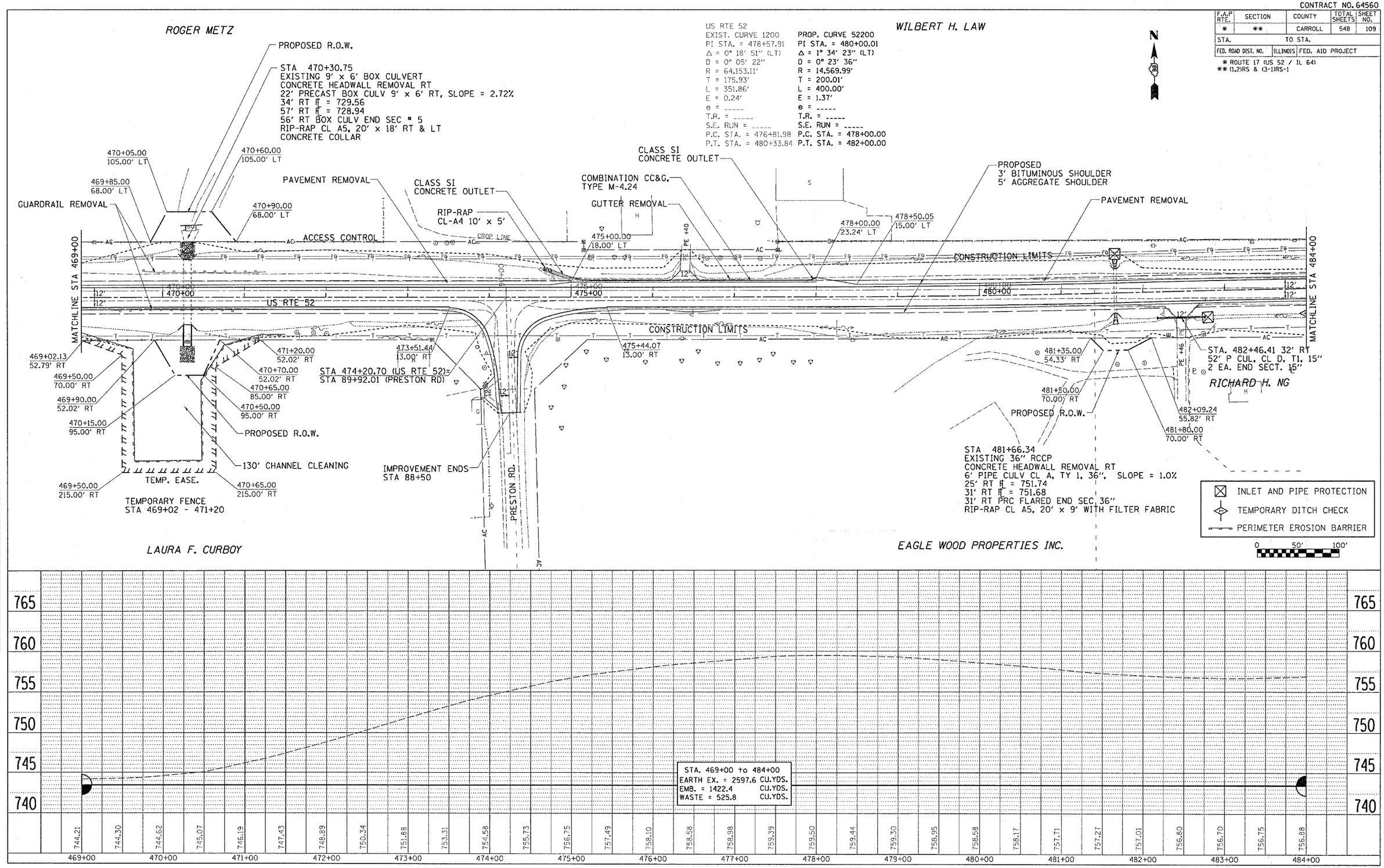
US RTE 52

CONTRACT NO. 64560

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	CARROLL	548	109
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* ROUTE 17 (US 52 / IL 64)
** (1,2)RS & (3-1)RS-1



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NOTE BOOK NO.
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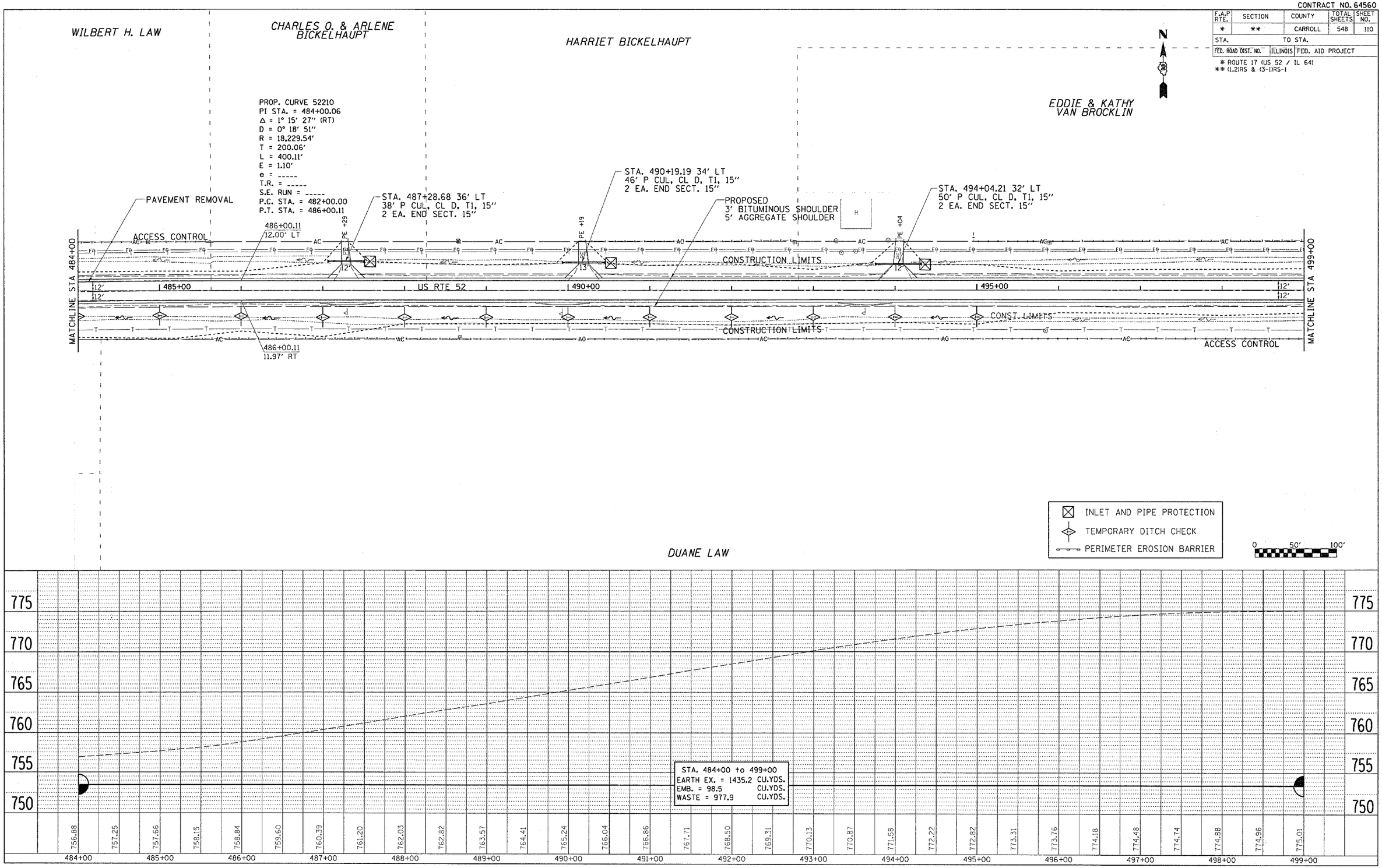
US RTE 52

CONTRACT NO. 64560

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	CARROLL	548	110
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* ROUTE 17 (US 52 / IL 64)
** (1,2)RS & (3-1)RS-1



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CADD FILE NAME
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PROFILE
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SURVEYED
PLOTTED
GRADES CHECKED
BAL. NOTED
STRUCTURE NOTATNS CHKD
BY
DATE

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•DGN-SPEC•
•REF
•REF
•REF
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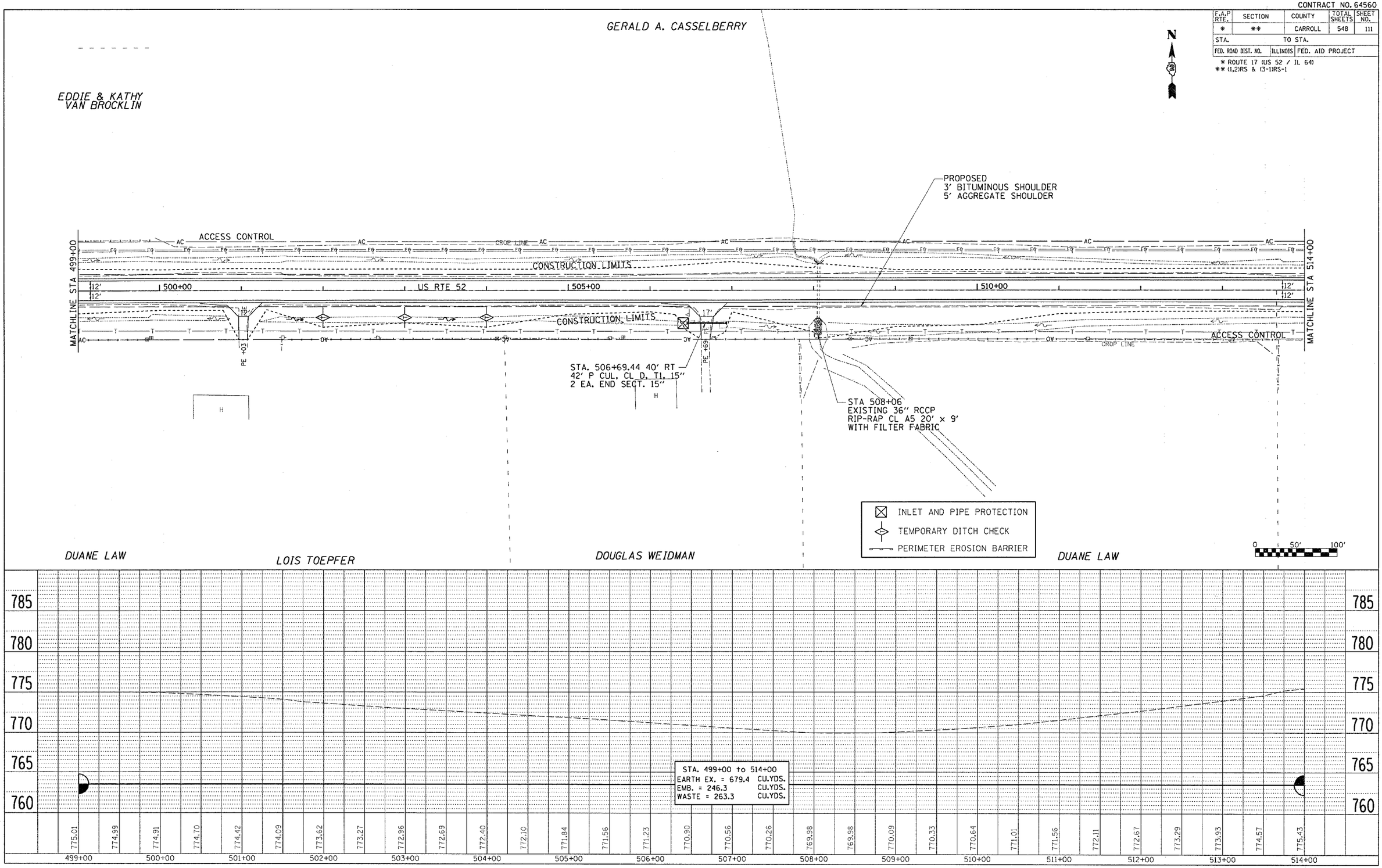
US RTE 52

CONTRACT NO. 64560

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	CARROLL	548	111
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* ROUTE 17 (US 52 / IL 64)
** (1,2)RS & (3-1)RS-1



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US RTE 52

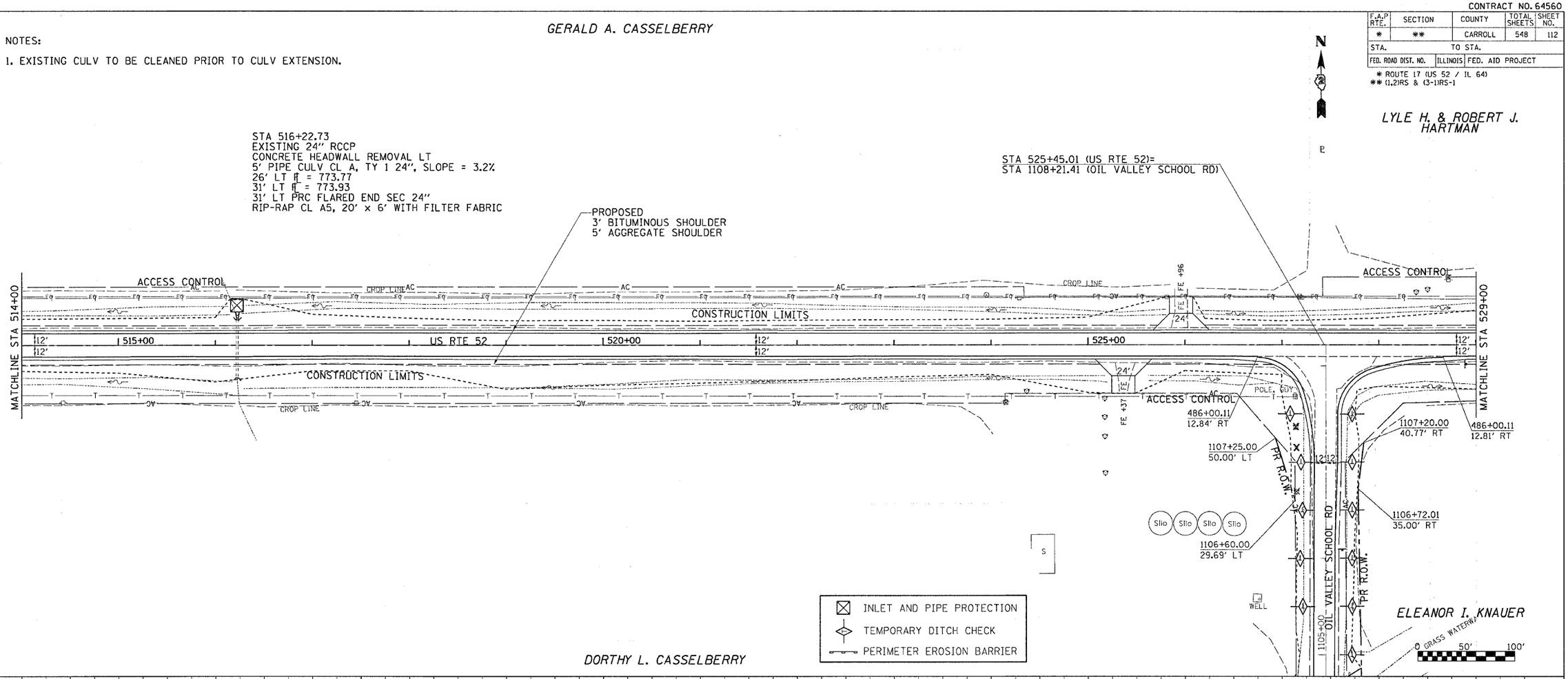
CONTRACT NO. 64560

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	CARROLL	548	112
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* ROUTE 17 (US 52 / IL 64)
** (1,2)RS & (3-1)RS-1

NOTES:

1. EXISTING CULV TO BE CLEANED PRIOR TO CULV EXTENSION.



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GRADES CHECKED
NOTE BOOK
NO.
STRUCTURE NOTATIONS CHKD
BY
DATE

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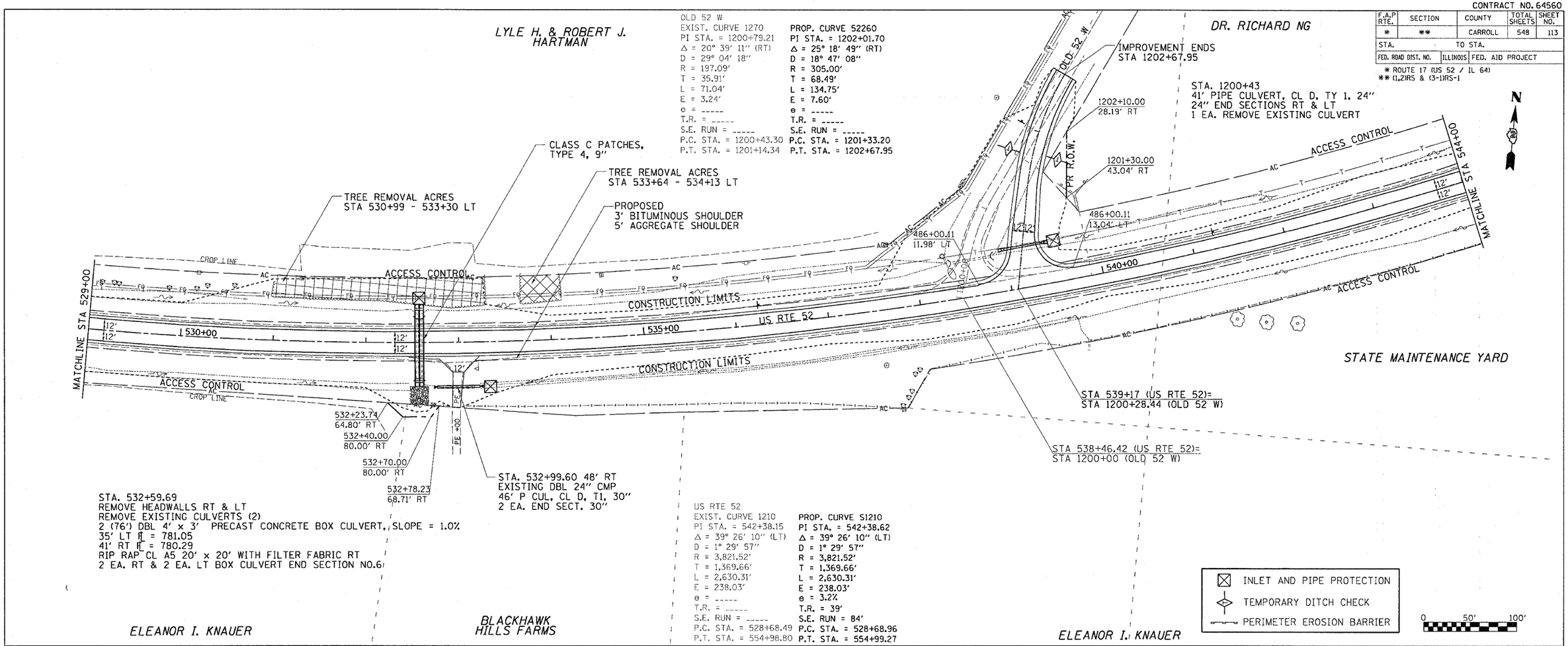
US RTE 52

CONTRACT NO. 64560

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	CARROLL	548	113
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* ROUTE 17 (US 52 / IL 64)
** (1,2)RS & (3-1)RS-1



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

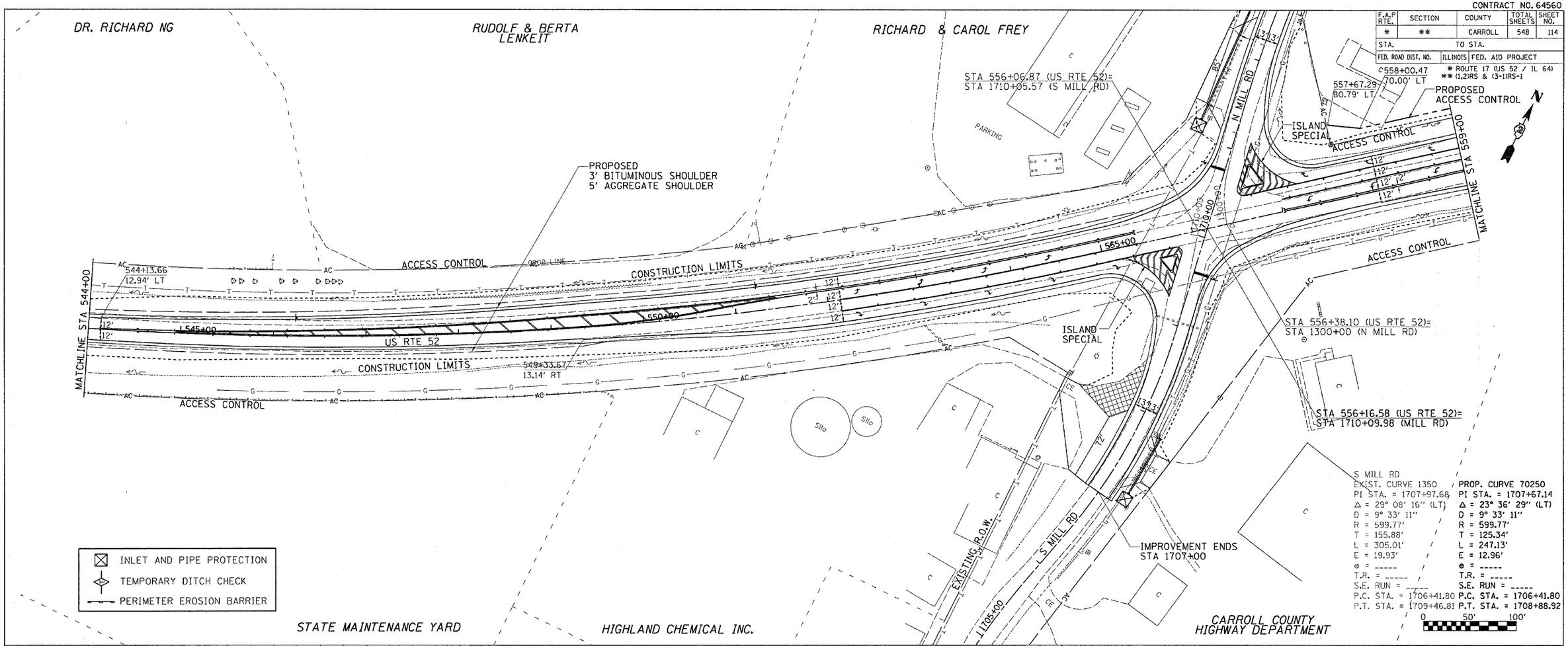
•DATE-TIME• •DGN-SPEC• •REF •REF •REF •REF

US RTE 52

CONTRACT NO. 64560

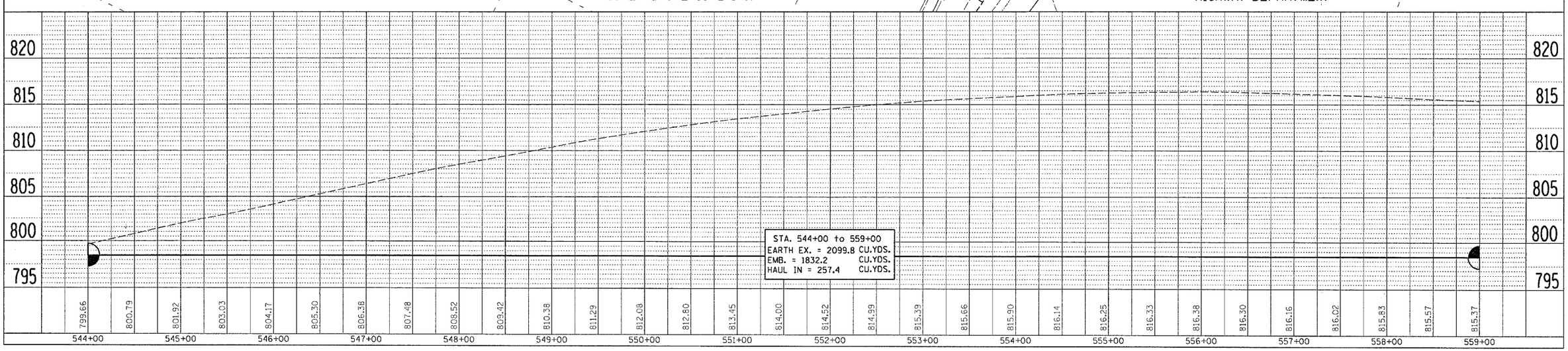
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	CARROLL	548	114
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* ROUTE 17 (US 52 / IL 64)
** (1,2)RS & (3-1)RS-1



S MILL RD

EXIST. CURVE 1350	PROP. CURVE 70250
PI STA. = 1707+97.68	PI STA. = 1707+67.14
Δ = 29° 08' 16" (LT)	Δ = 23° 36' 29" (LT)
D = 9° 33' 11"	D = 9° 33' 11"
R = 599.77'	R = 599.77'
T = 155.88'	T = 125.34'
L = 305.01'	L = 247.13'
E = 19.93'	E = 12.96'
e = -----	e = -----
T.R. = -----	T.R. = -----
S.E. RUN = -----	S.E. RUN = -----
P.C. STA. = 1706+41.80	P.C. STA. = 1706+41.80
P.T. STA. = 1709+46.81	P.T. STA. = 1708+88.92



STA. 544+00 to 559+00
EARTH EX. = 2099.8 CU.YDS.
EMB. = 1832.2 CU.YDS.
HAUL IN = 257.4 CU.YDS.

PLAN		BY	DATE
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PROFILE		BY	DATE
NOTE BOOK NO. ____	SURVEYED / PLOTTED / GRADES CHECKED / B.M. NOTED / STRUCTURE NOTATNS CHKD		

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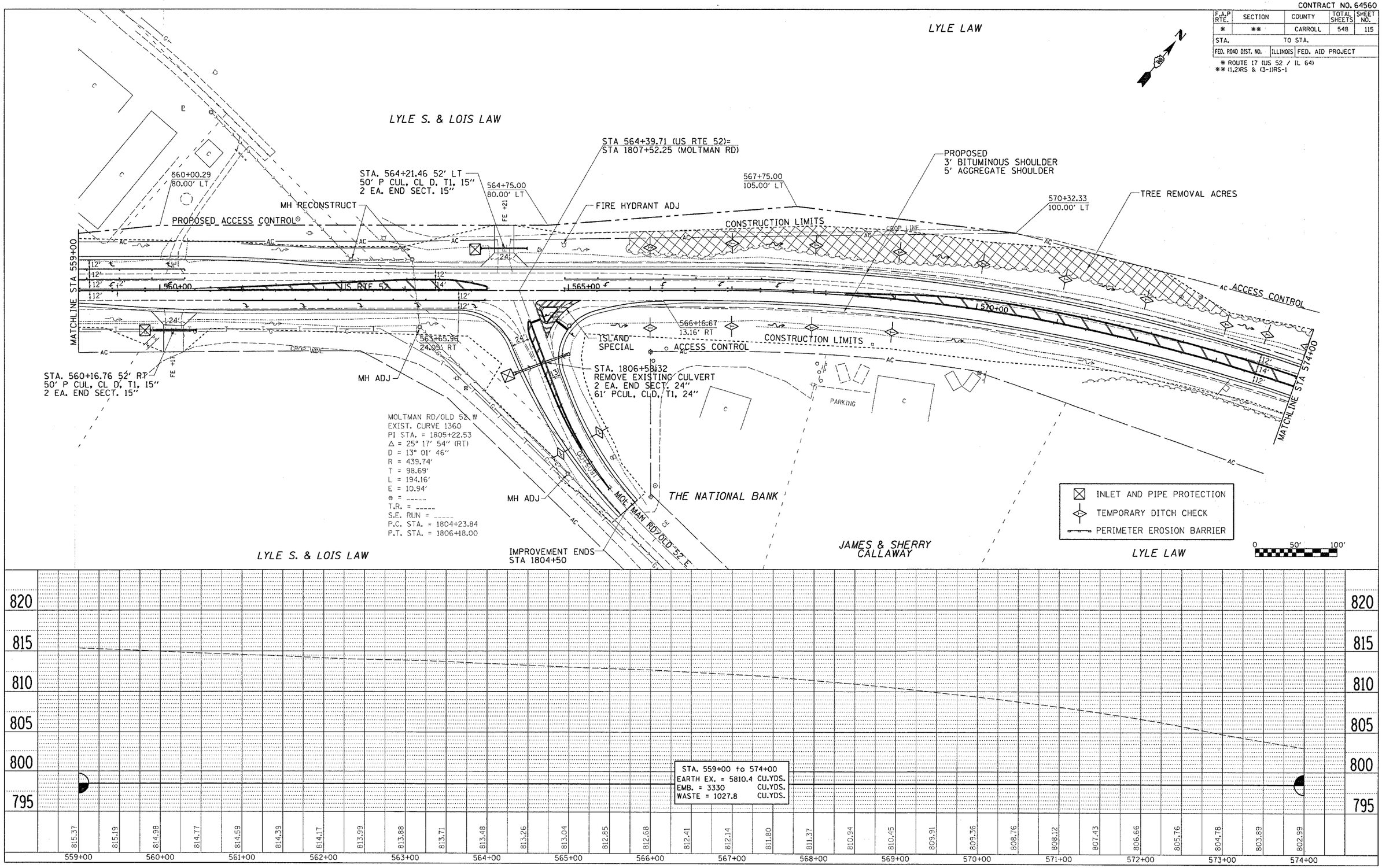
US RTE 52

CONTRACT NO. 64560

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	CARROLL	548	115
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* ROUTE 17 (US 52 / IL 64)
** (1,2)RS & (3-1)RS-1



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PROFILE — NOTE BOOK NO. ____ — SURVEYED — PLOTTED — GRADES CHECKED — B.M. NOTED — STRUCTURE NOTAT'NS CHKD — BY — DATE

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•DGN-SPEC•
•REF
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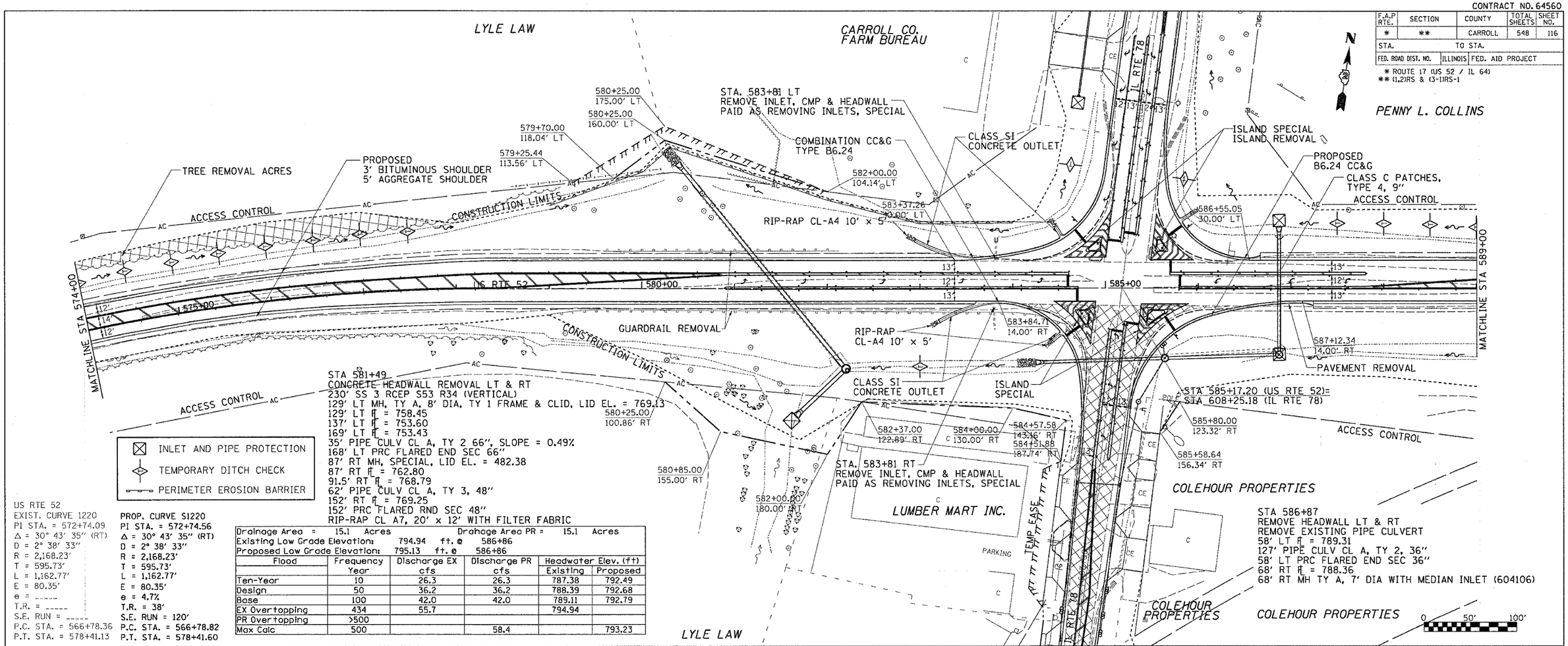
US RTE 52

CONTRACT NO. 64560

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	CARROLL	548	116
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* ROUTE 17 (US 52 / IL 64)
** (1,2)RS & (3-1)RS-1



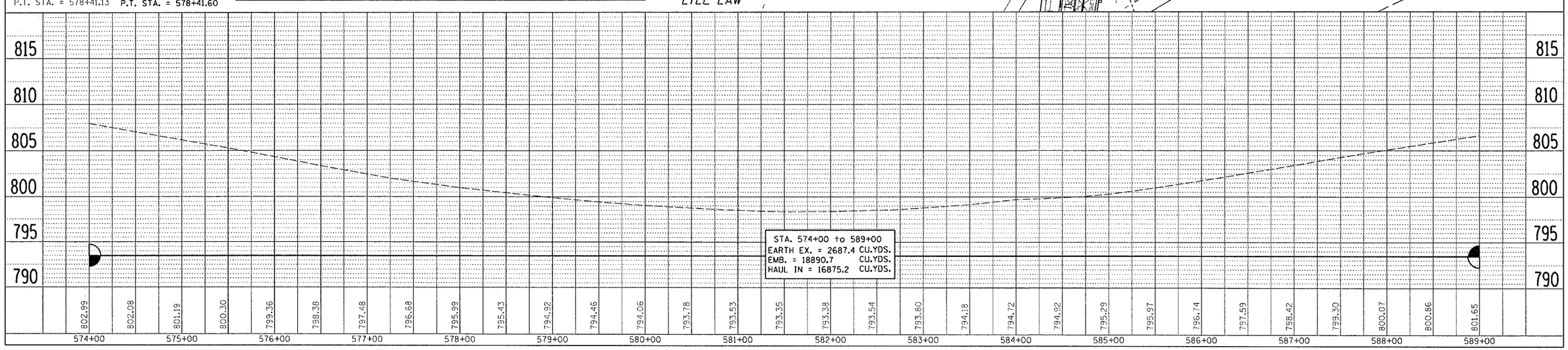
INLET AND PIPE PROTECTION
TEMPORARY DITCH CHECK
PERIMETER EROSION BARRIER

US RTE 52
EXIST. CURVE 1220
PI STA. = 572+74.09
Δ = 30° 43' 35" (RT)
D = 2° 38' 33"
R = 2,168.23'
T = 595.73'
L = 1,162.77'
E = 80.35'
e = -----
T.R. = -----
S.E. RUN = -----
P.C. STA. = 566+78.36
P.T. STA. = 578+41.13

PROP. CURVE S1220
PI STA. = 572+74.56
Δ = 30° 43' 35" (RT)
D = 2° 38' 33"
R = 2,168.23'
T = 595.73'
L = 1,162.77'
E = 80.35'
e = 4.7%
T.R. = 38'
S.E. RUN = 120'
P.C. STA. = 566+78.82
P.T. STA. = 578+41.60

Drainage Area = 15.1 Acres Drainage Area PR = 15.1 Acres
Existing Low Grade Elevation: 794.94 ft. @ 586+86
Proposed Low Grade Elevation: 795.13 ft. @ 586+86

Flood	Frequency Year	Discharge EX cfs	Discharge PR cfs	Headwater Elev. (ft) Existing	Proposed
Ten-Year	10	26.3	26.3	787.38	792.49
Design	50	36.2	36.2	788.39	792.68
Base	100	42.0	42.0	789.11	792.79
EX Overtopping	434	55.7		794.94	
PR Overtopping	>500				
Max Calc	500			58.4	793.23



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PROFILE — SURVEYED / PLOTTED / GRADES CHECKED / B.M. NOTED / STRUCTURE NOTAT'NS CHKD / NOTE BOOK NO. / BY / DATE

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US RTE 52

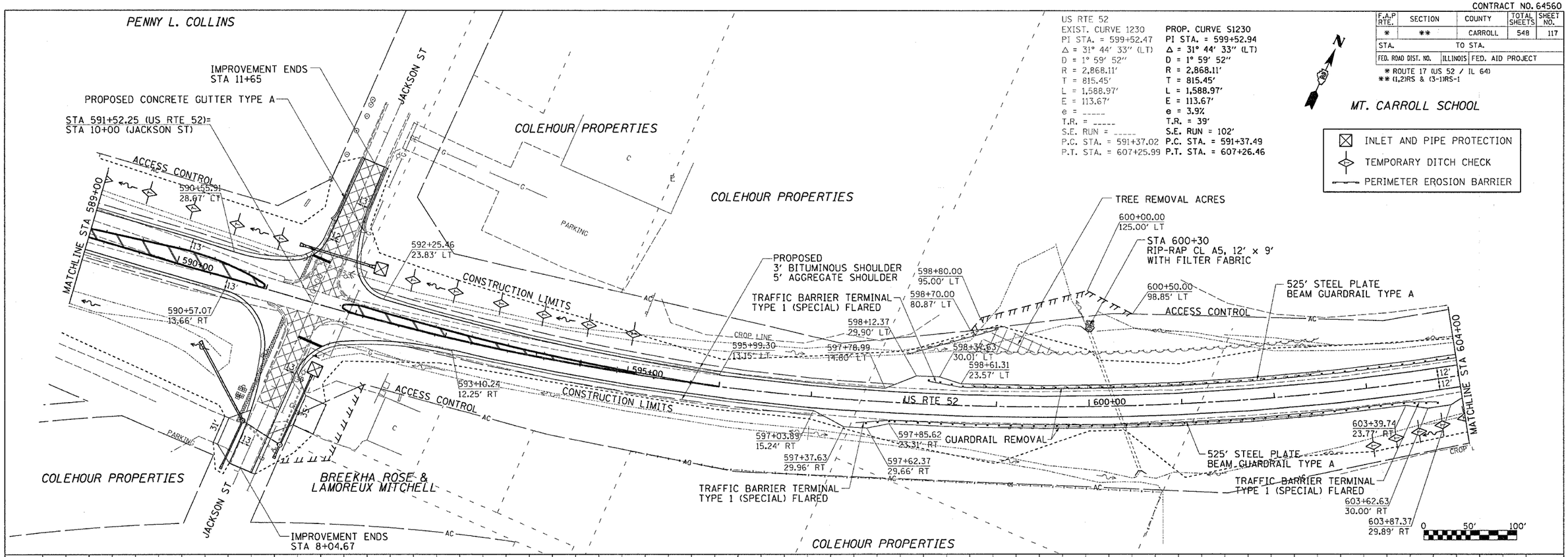
CONTRACT NO. 64560

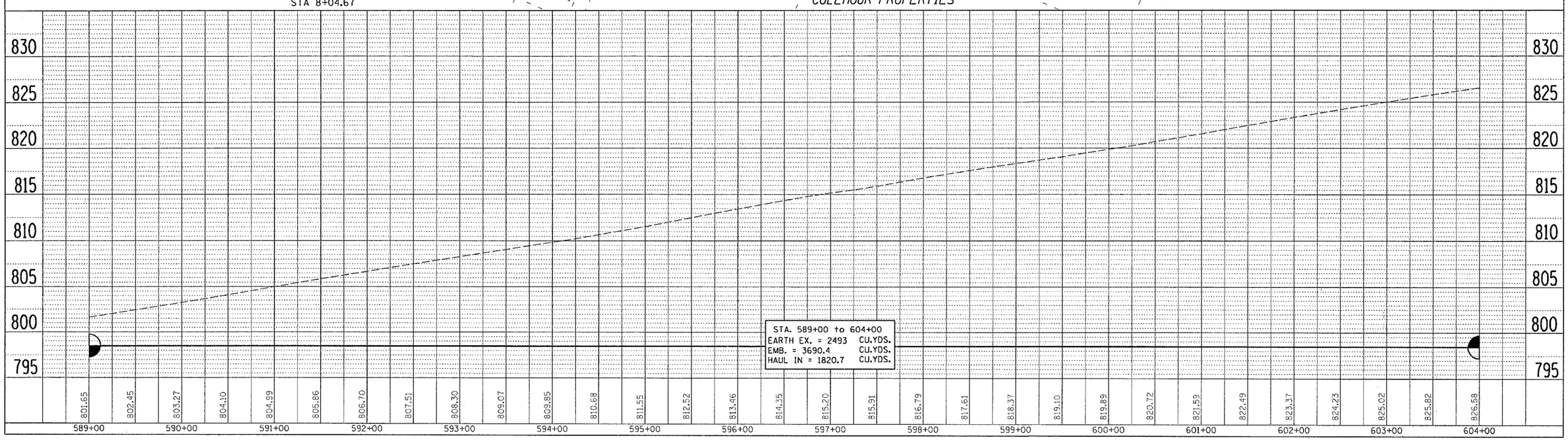
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	CARROLL	548	117
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* ROUTE 17 (US 52 / IL 64)
** (1,2)RS & (3-1)RS-1

US RTE 52

EXIST. CURVE 1230	PROP. CURVE S1230
PI STA. = 599+52.47	PI STA. = 599+52.94
Δ = 31° 44′ 33″ (LT)	Δ = 31° 44′ 33″ (LT)
D = 1° 59′ 52″	D = 1° 59′ 52″
R = 2,868.11′	R = 2,868.11′
T = 815.45′	T = 815.45′
L = 1,588.97′	L = 1,588.97′
E = 113.67′	E = 113.67′
e = -----	e = 3.9%
T.R. = -----	T.R. = 39′
S.E. RUN = -----	S.E. RUN = 102′
P.C. STA. = 591+37.02	P.C. STA. = 591+37.49
P.T. STA. = 607+25.99	P.T. STA. = 607+26.46





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US RTE 52

CONTRACT NO. 64560

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	CARROLL	548	118
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* ROUTE 17 (US 52 / IL 64)
** (1,2)RS & (3-1)RS-1

PLAN	BY	DATE
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ROADWAY CHECKED		
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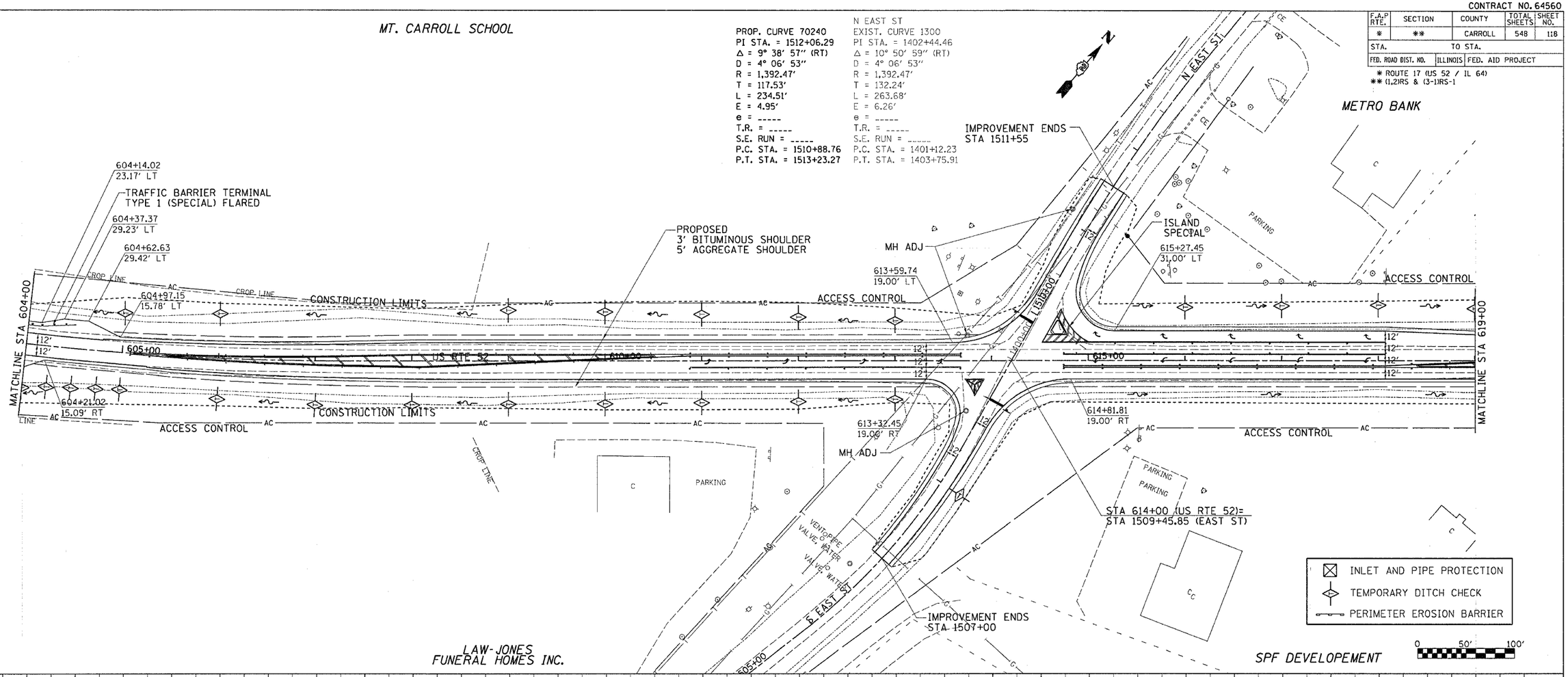

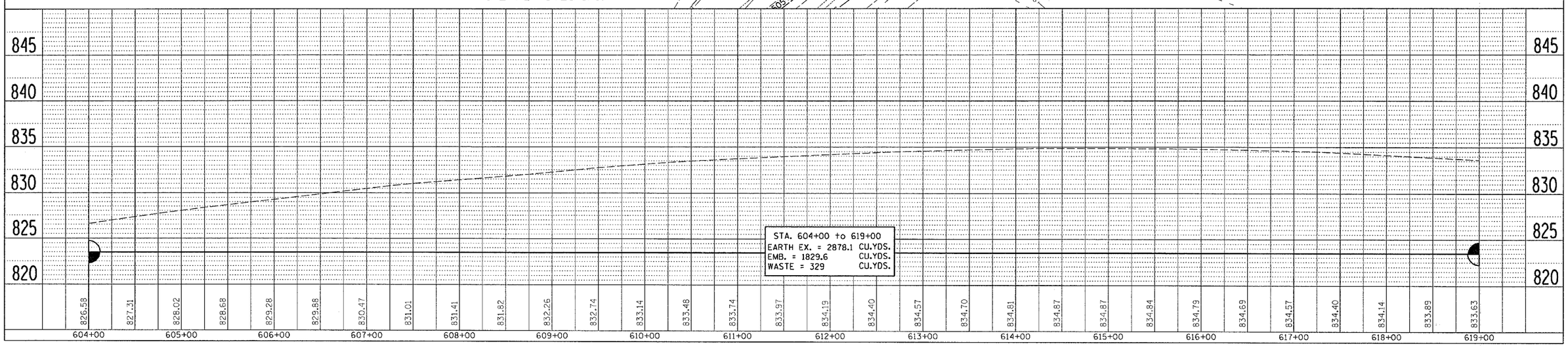

STA. 604+00 to 619+00
EARTH EX. = 2878.1 CU.YDS.
EMB. = 1829.6 CU.YDS.
WASTE = 329 CU.YDS.

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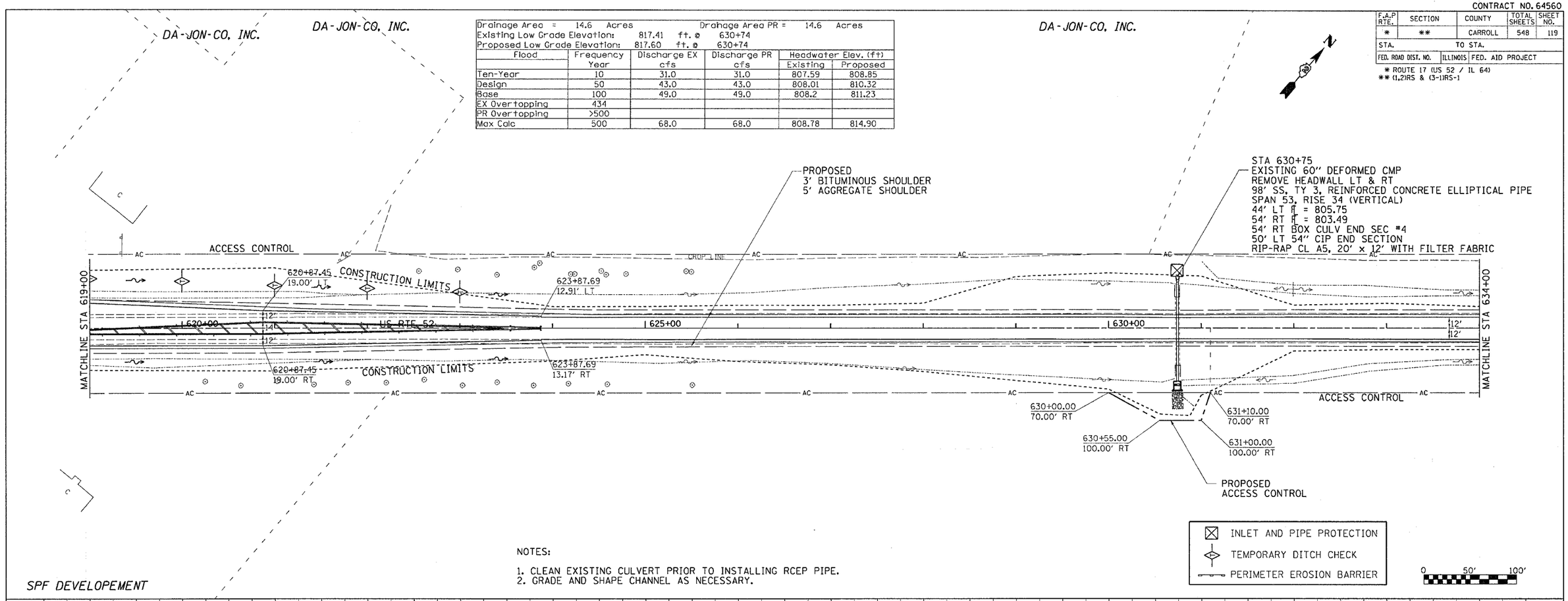
US RTE 52

CONTRACT NO. 64560

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	CARROLL	548	119
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* ROUTE 17 (US 52 / IL 64)
** (1,2)RS & (3-1)RS-1

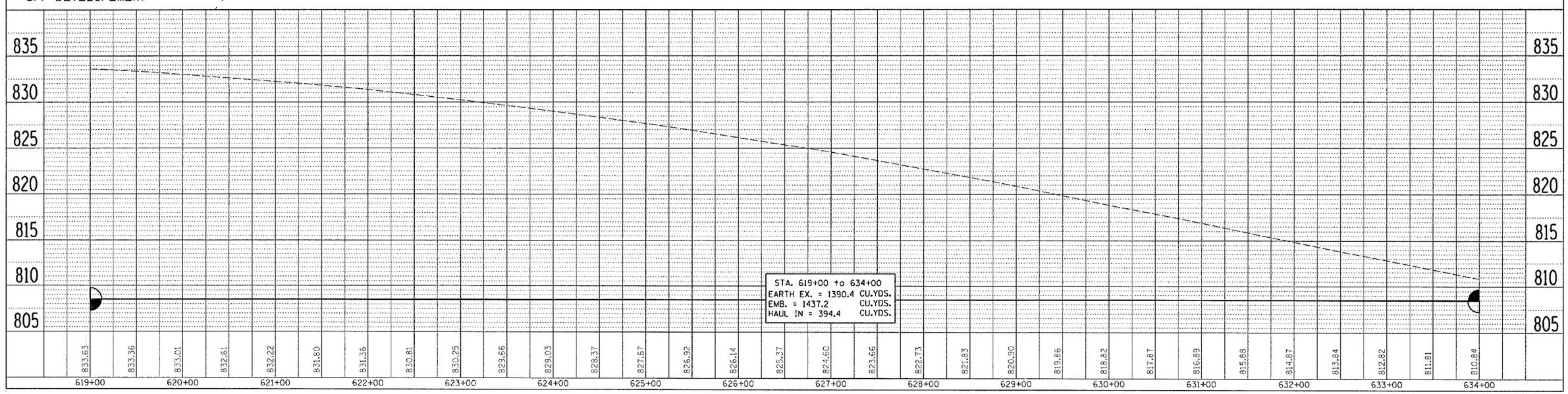
Drainage Area = 14.6 Acres			Drainage Area PR = 14.6 Acres		
Existing Low Grade Elevation: 817.41 ft. @ 630+74					
Proposed Low Grade Elevation: 817.60 ft. @ 630+74					
Flood	Frequency Year	Discharge EX cfs	Discharge PR cfs	Headwater Elev. (ft) Existing	Proposed
Ten-Year	10	31.0	31.0	807.59	808.85
Design	50	43.0	43.0	808.01	810.32
Base	100	49.0	49.0	808.2	811.23
EX Overtopping	434				
PR Overtopping	>500				
Max Calc	500	68.0	68.0	808.78	814.90



SPF DEVELOPEMENT

NOTES:

1. CLEAN EXISTING CULVERT PRIOR TO INSTALLING RCEP PIPE.
2. GRADE AND SHAPE CHANNEL AS NECESSARY.



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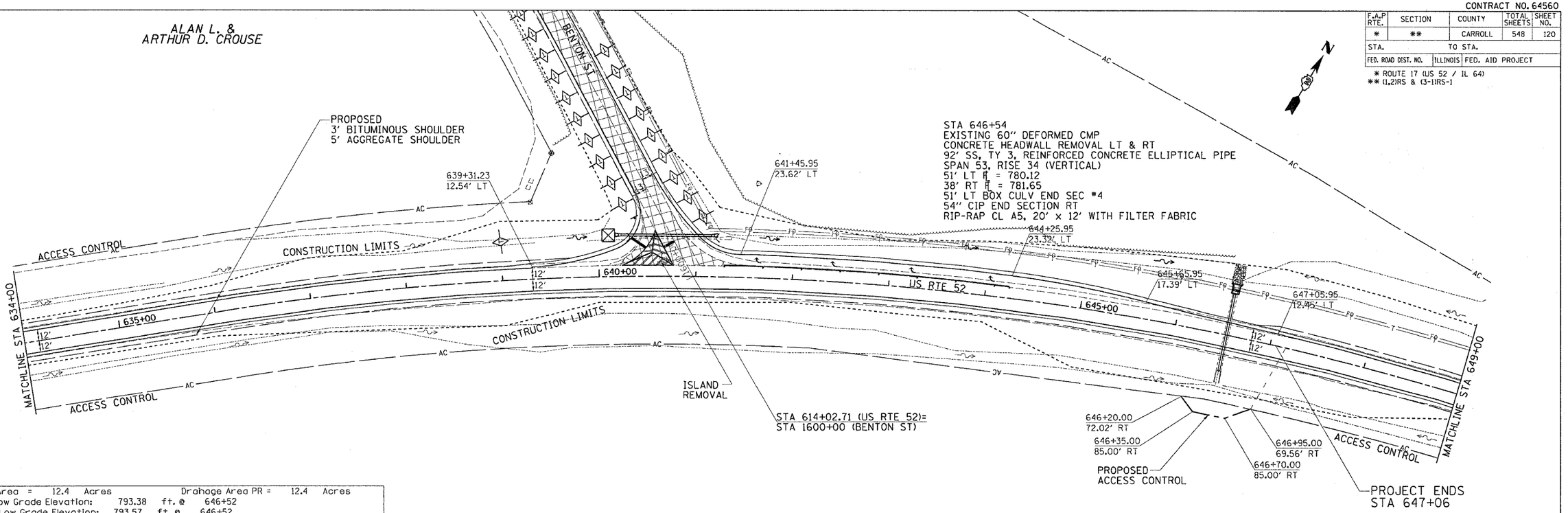
US RTE 52

CONTRACT NO. 64560

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	CARROLL	548	120
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* ROUTE 17 (US 52 / IL 64)
** (1,2)RS & (3-1)RS-1



Drainage Area = 12.4 Acres			Drainage Area PR = 12.4 Acres		
Existing Low Grade Elevation: 793.38 ft. @ 646+52					
Proposed Low Grade Elevation: 793.57 ft. @ 646+52					
Flood	Frequency Year	Discharge EX cfs	Discharge PR cfs	Headwater Elev. (ft) Existing	Headwater Elev. (ft) Proposed
Ten-Year	10	28.0	28.0	783.46	784.1
Design	50	39.0	39.0	783.67	785.31
Base	100	45.0	45.0	783.79	786.15
EX Overtopping	434				
PR Overtopping	>500				
Max Calc	500	62.0	62.0	784.15	789.15

NOTES:

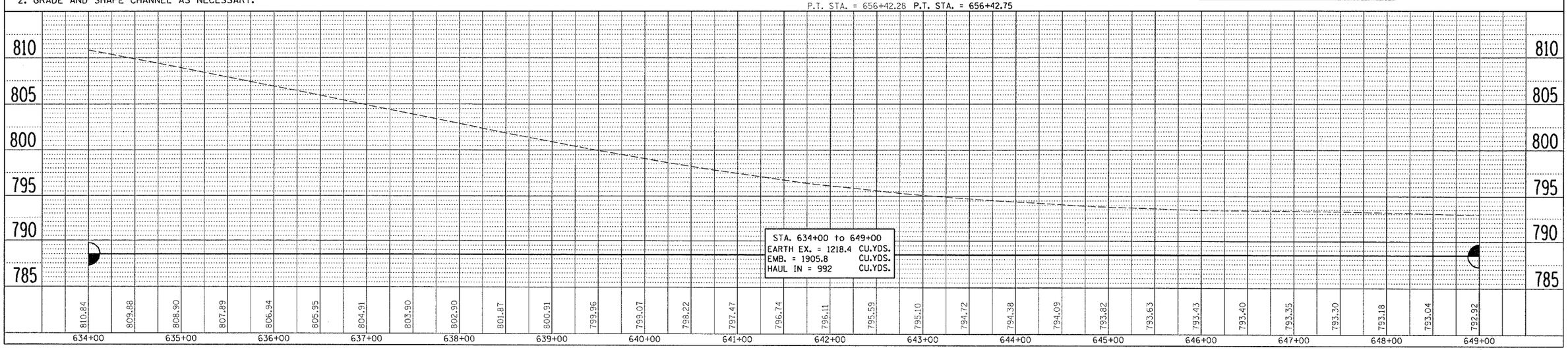
1. CLEAN EXISTING CULVERT PRIOR TO INSTALLING RCEP PIPE.
2. GRADE AND SHAPE CHANNEL AS NECESSARY.

US RTE 52

EXIST. CURVE 1240	PROP. CURVE S1240
PI STA. = 646+71.65	PI STA. = 646+72.12
Δ = 40° 37' 36" (RT)	Δ = 40° 37' 36" (RT)
D = 2° 00' 02"	D = 2° 00' 02"
R = 2,864.11'	R = 2,864.11'
T = 1,060.22'	T = 1,060.22'
L = 2,030.85'	L = 2,030.85'
E = 189.94'	E = 189.94'
e = -----	e = 3.9%
T.R. = -----	T.R. = 39'
S.E. RUN = -----	S.E. RUN = 102'
P.C. STA. = 636+11.43	P.C. STA. = 636+11.90
P.T. STA. = 656+42.28	P.T. STA. = 656+42.75

INLET AND PIPE PROTECTION
TEMPORARY DITCH CHECK
PERIMETER EROSION BARRIER

0 50' 100'



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•DGN-SPEC•
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•REF
•REF
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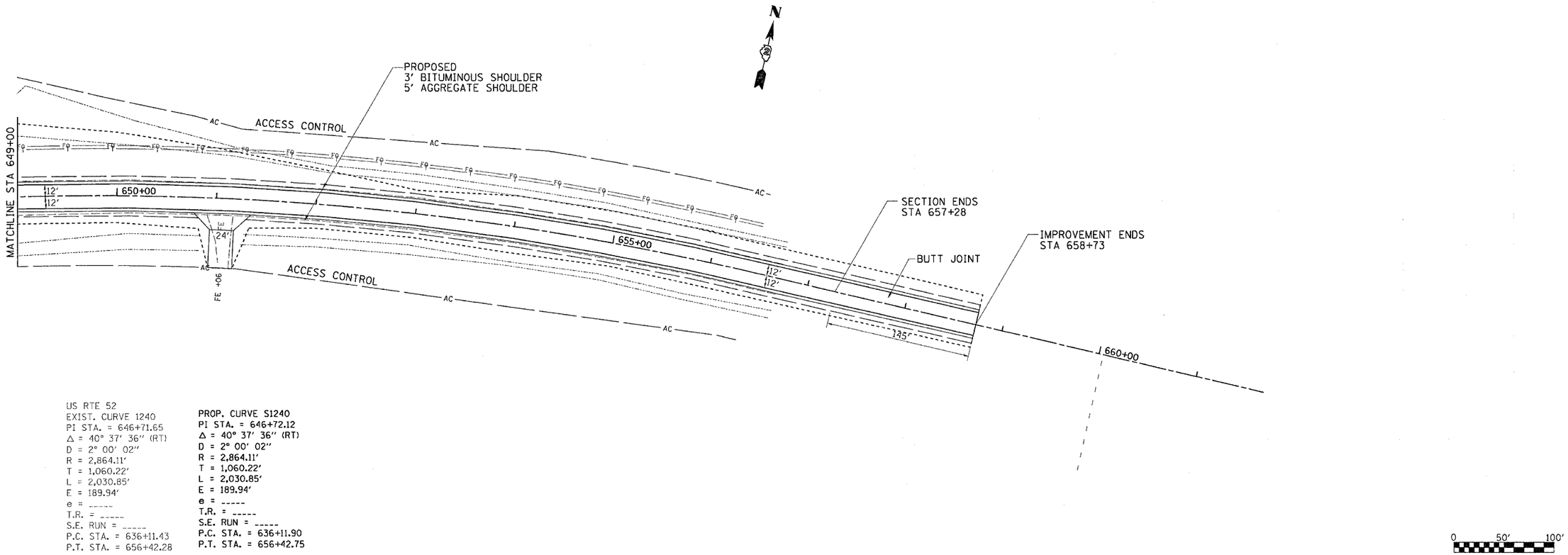
US RTE 52

CONTRACT NO. 64560

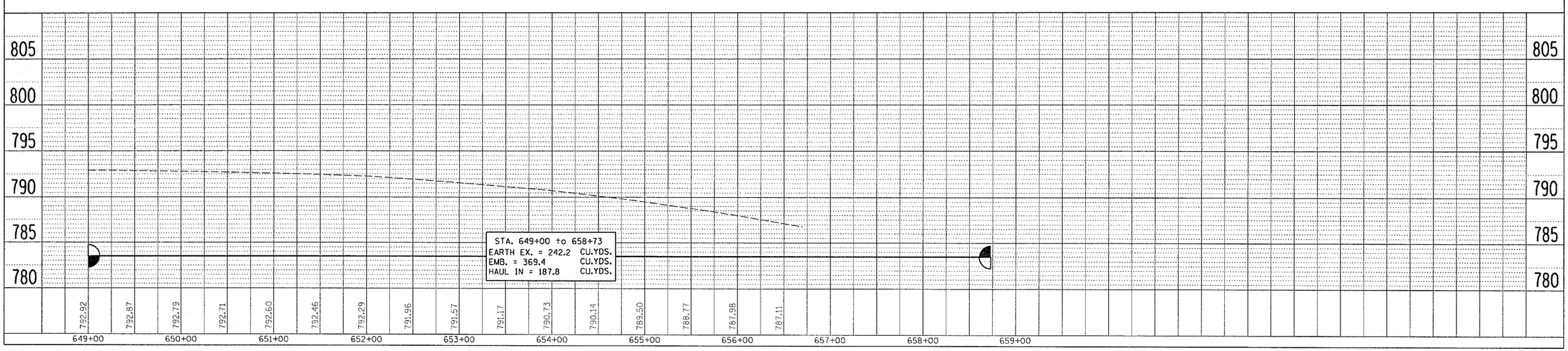
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	CARROLL	548	121
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* ROUTE 17 (US 52 / IL 64)
** (1,2)RS & (3-1)RS-1



US RTE 52
EXIST. CURVE 1240
PI STA. = 646+71.65
Δ = 40° 37' 36" (RT)
D = 2° 00' 02"
R = 2,864.11'
T = 1,060.22'
L = 2,030.85'
E = 189.94'
e = -----
T.R. = -----
S.E. RUN = -----
P.C. STA. = 636+11.43
P.T. STA. = 656+42.28

PROP. CURVE S1240
PI STA. = 646+72.12
Δ = 40° 37' 36" (RT)
D = 2° 00' 02"
R = 2,864.11'
T = 1,060.22'
L = 2,030.85'
E = 189.94'
e = -----
T.R. = -----
S.E. RUN = -----
P.C. STA. = 636+11.90
P.T. STA. = 656+42.75



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BY ____ DATE ____

PROFILE
NOTE BOOK NO. ____
SURVEYED ____
PLOTTED ____
GRADES CHECKED ____
B.M. NOTED ____
STRUCTURE NOTATNS CHKD ____
BY ____ DATE ____

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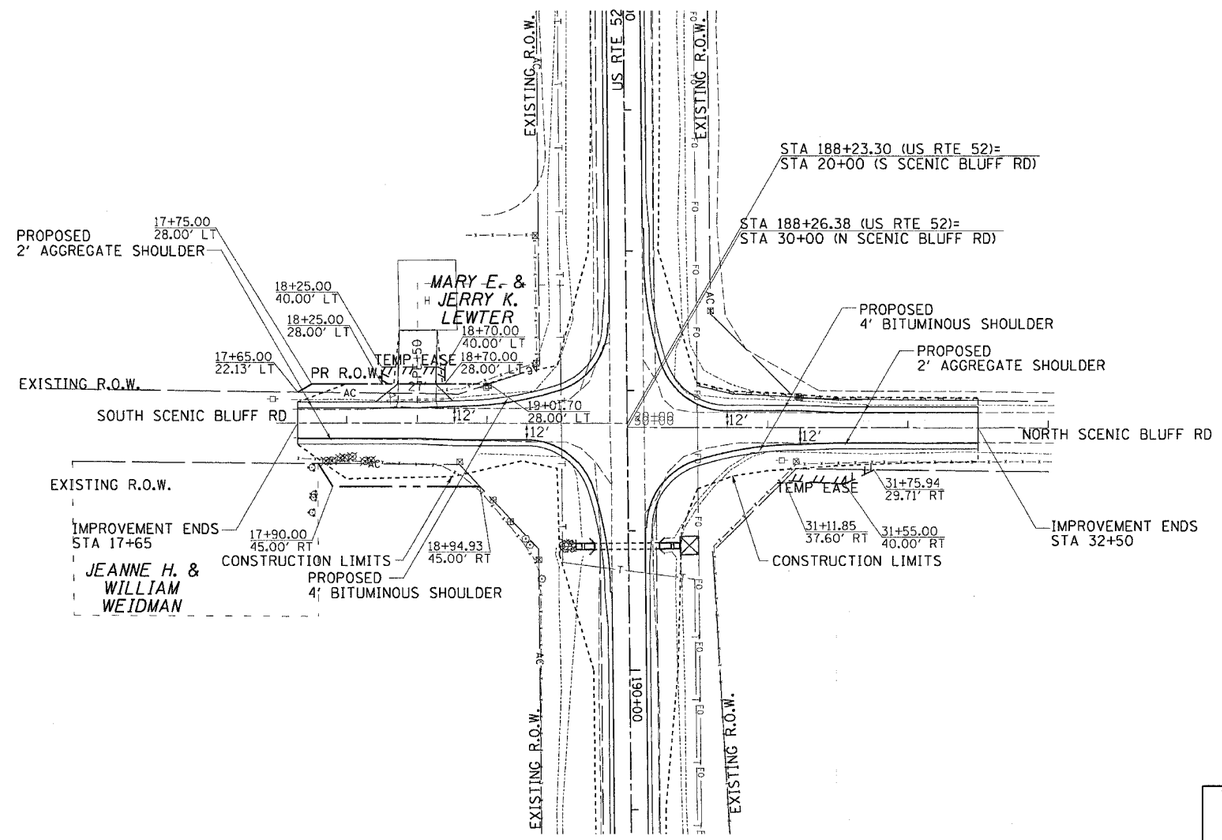
US RTE 52

CONTRACT NO. 64560

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	CARROLL	548	122
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

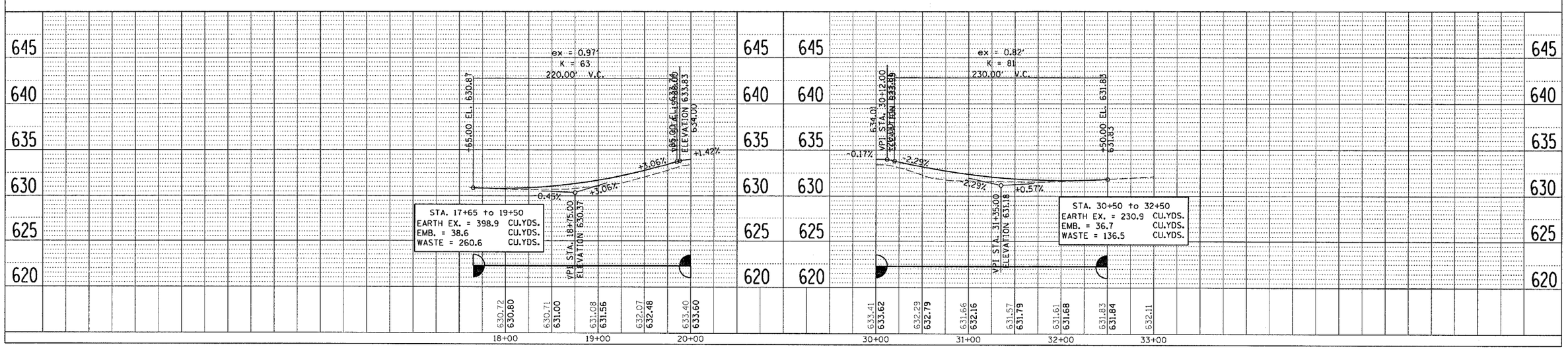
* ROUTE 17 (US 52 / IL 64)
** (1,2)RS & (3-1)RS-1

SCENIC BLUFF RD



INLET AND PIPE PROTECTION
TEMPORARY DITCH CHECK
PERIMETER EROSION BARRIER

0 50' 100'



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GRADES CHECKED
ALIGNMENT CHECKED
NOTE BOOK
NO.
STRUCTURE NO.
BY
DATE

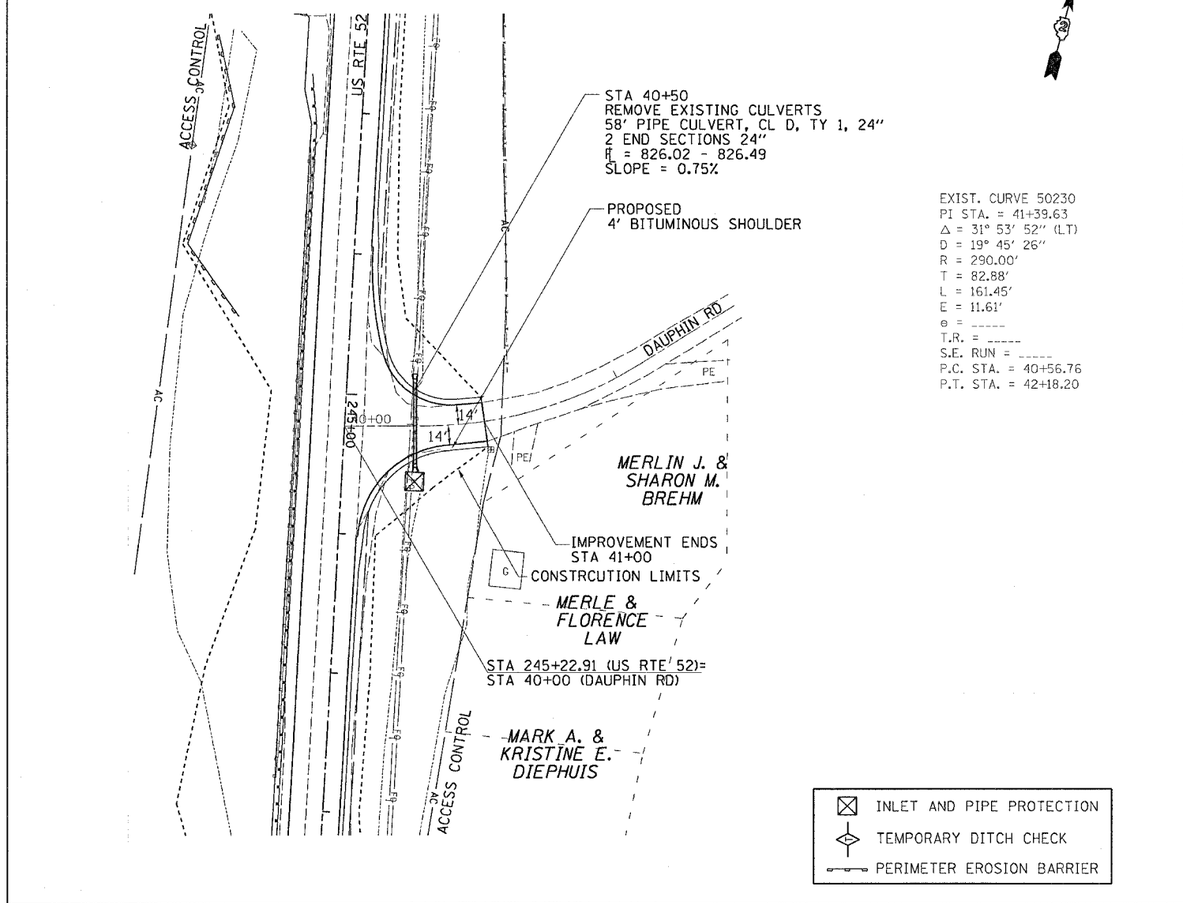
SCENIC BLUFF RD

CONTRACT NO. 64560

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	CARROLL	548	123
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* ROUTE 17 (US 52 / IL 64)
** (1,2)RS & (3-1)RS-1

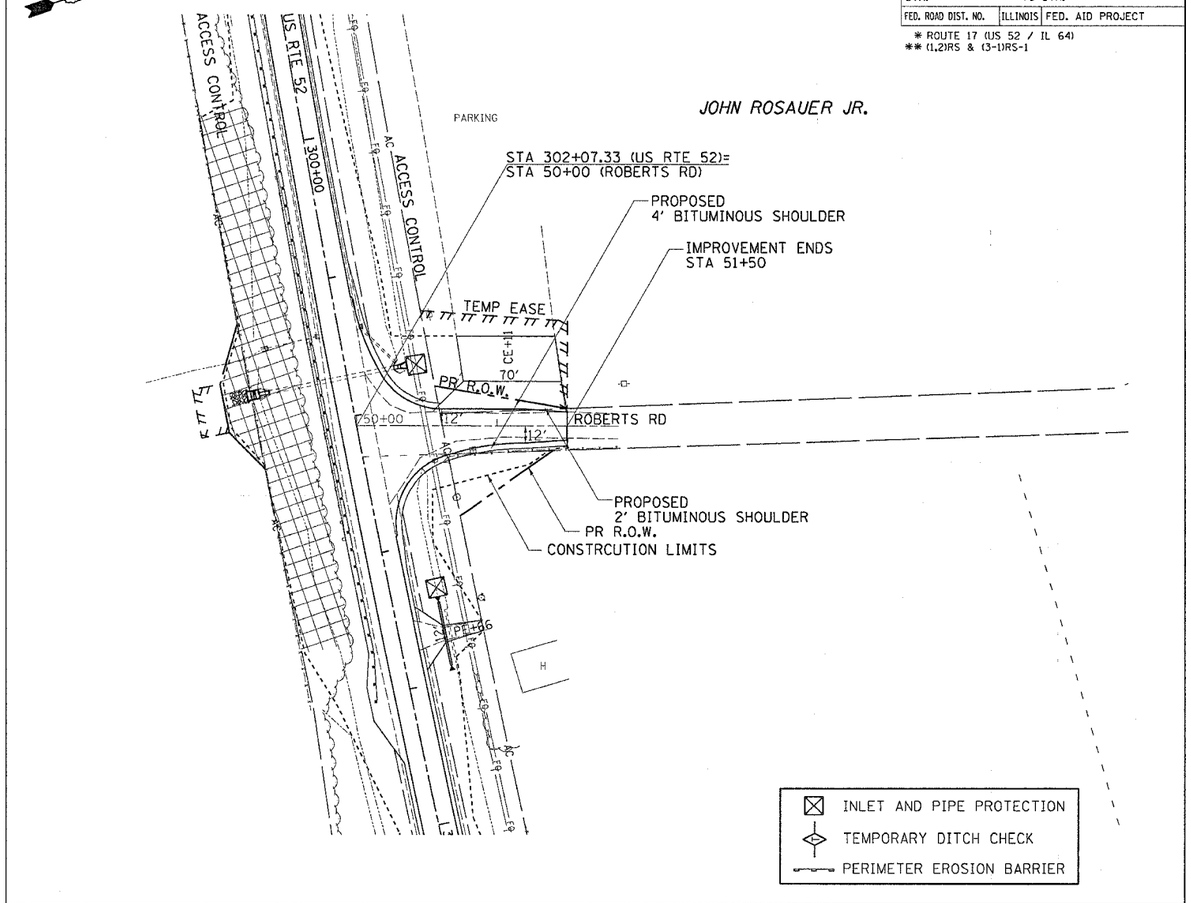
DAUPHIN RD



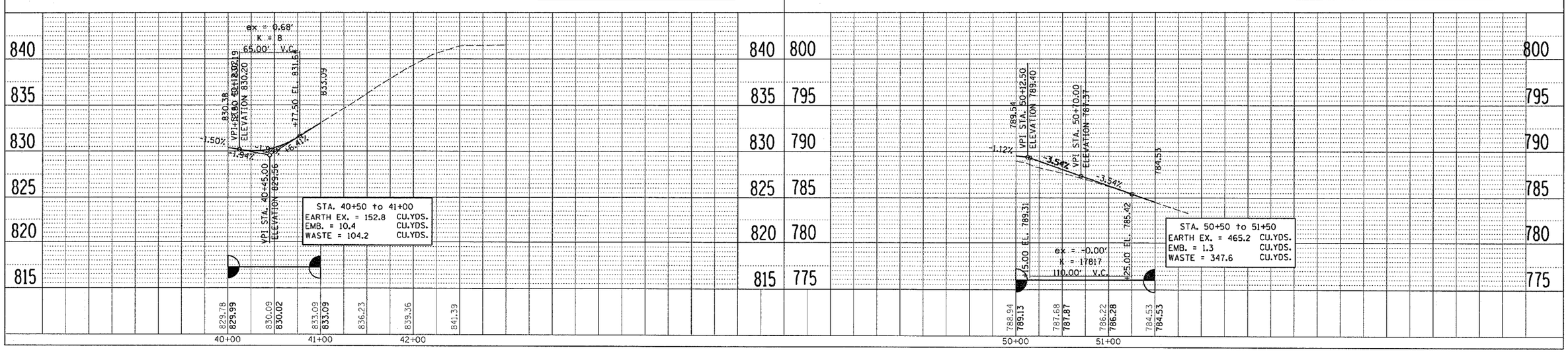
EXIST. CURVE 50230
PI STA. = 41+39.63
Δ = 31° 53' 52" (LT)
D = 19° 45' 26"
R = 290.00'
T = 82.88'
L = 161.45'
E = 11.61'
e = -----
T.R. = -----
S.E. RUN = -----
P.C. STA. = 40+56.76
P.T. STA. = 42+18.20

INLET AND PIPE PROTECTION
TEMPORARY DITCH CHECK
PERIMETER EROSION BARRIER

ROBERTS RD



INLET AND PIPE PROTECTION
TEMPORARY DITCH CHECK
PERIMETER EROSION BARRIER



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

DATE-TIME
DGN-SPEC
*REF
*REF
*REF
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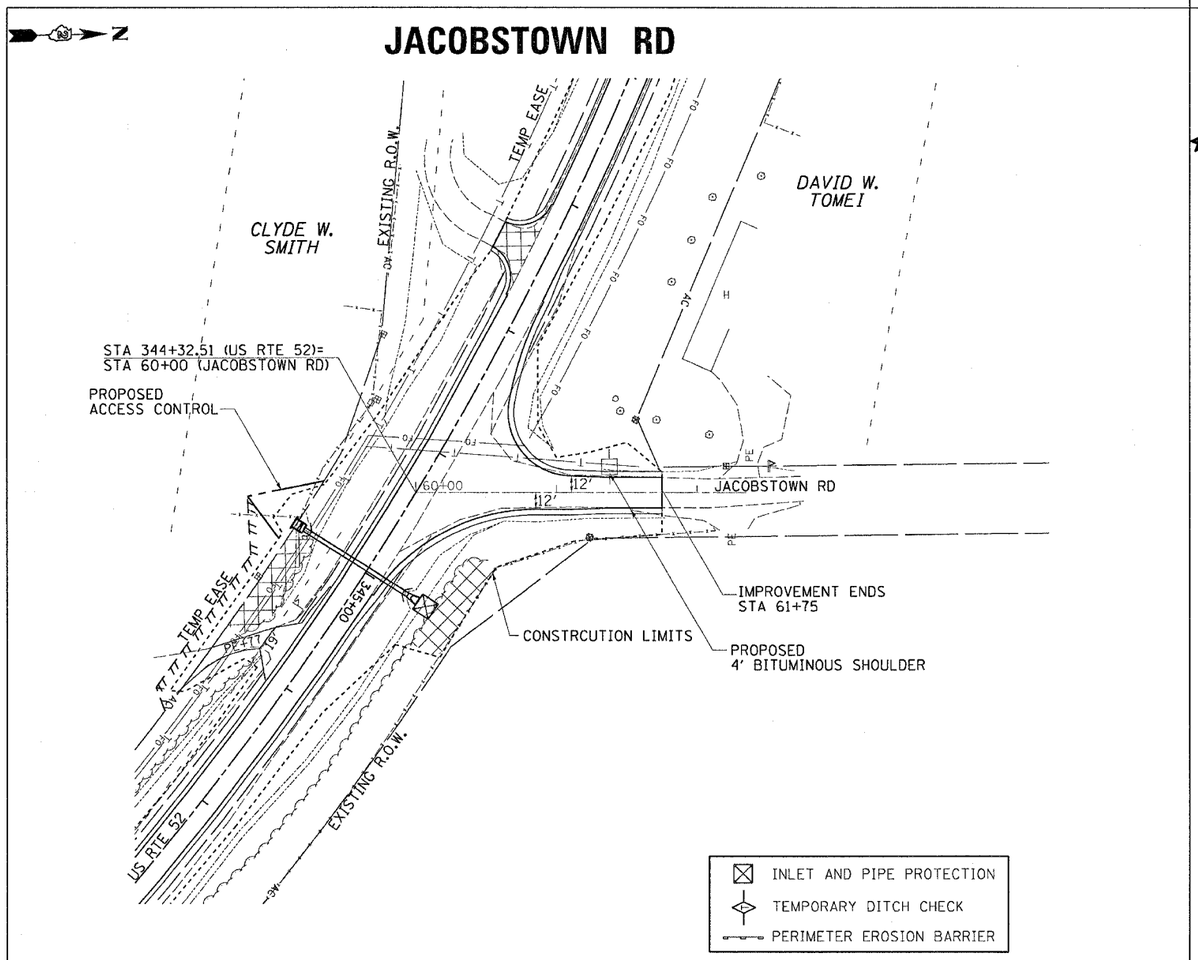
DAUPHIN RD /ROBERTS RD.

CONTRACT NO. 64560

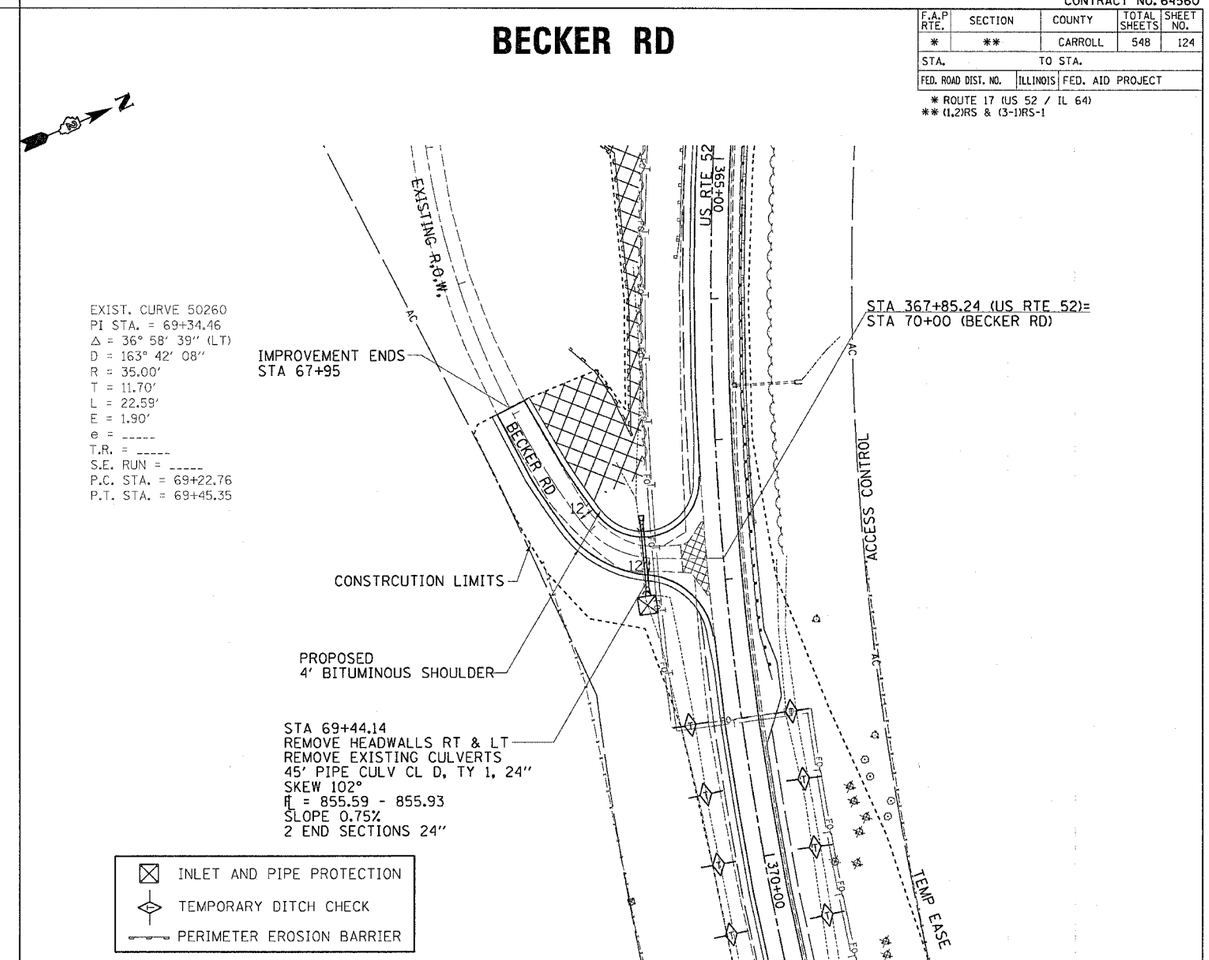
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	CARROLL	548	124
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

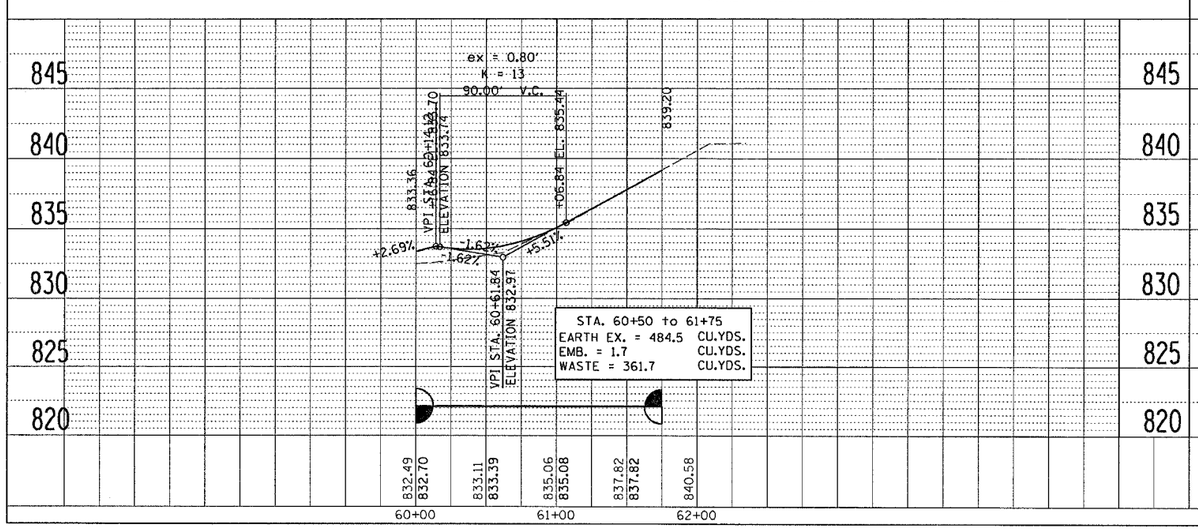
* ROUTE 17 (US 52 / IL 64)
** (1,2)RS & (3-1)RS-1

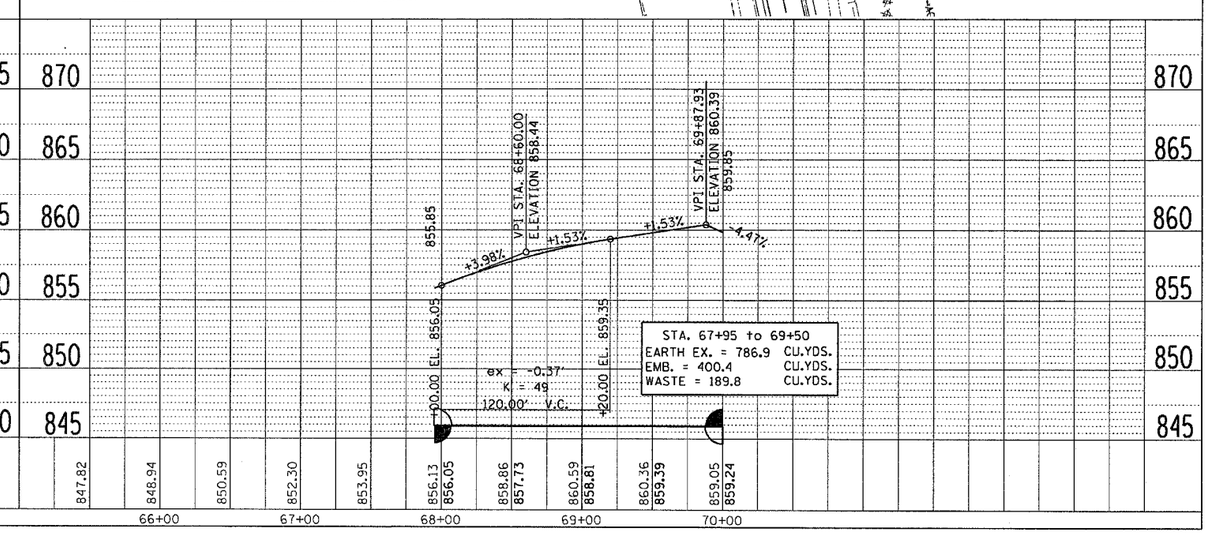
JACOBSTOWN RD



BECKER RD







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PROFILE: SURVEYED / PLOTTED / GRADES CHECKED / B.M. NOTED / STRUCTURE NOTATNS CHKD / NOTE BOOK NO. / BY / DATE

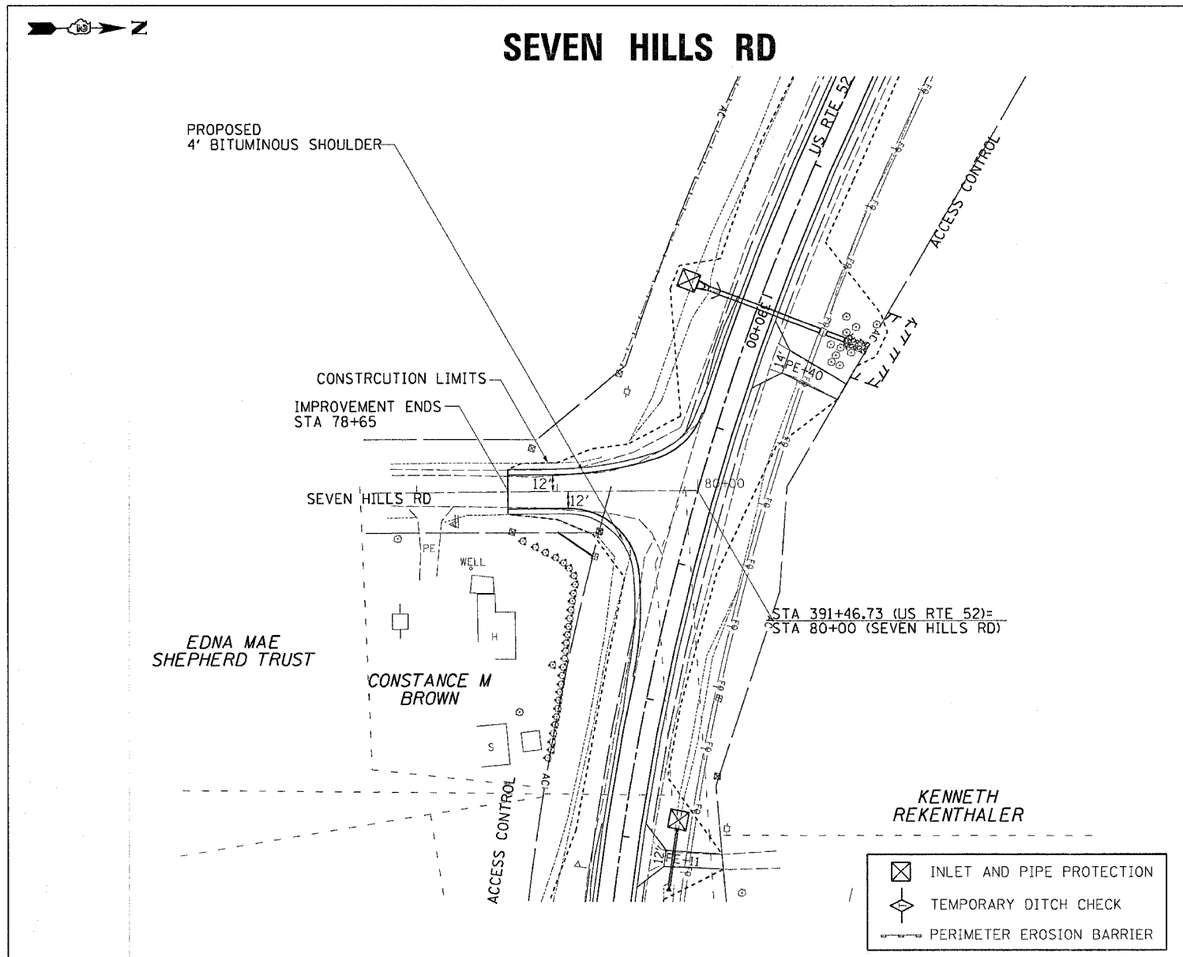
JACOBSTOWN RD /BECKER RD.

CONTRACT NO. 64560

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	CARROLL	548	125
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

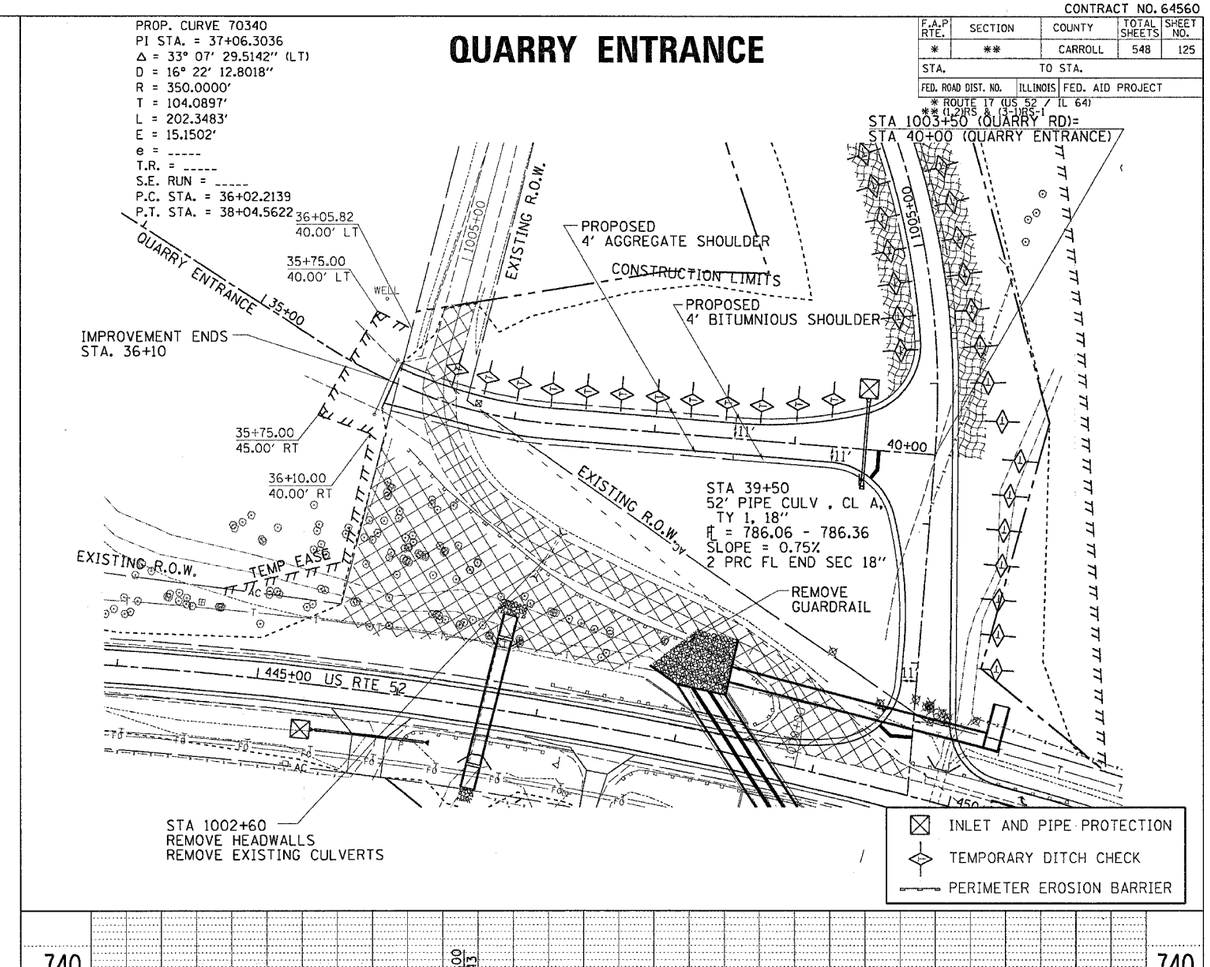
* ROUTE 17 (US 52 / IL 64)
** (1,2)RS-8, (3-10)RS-1

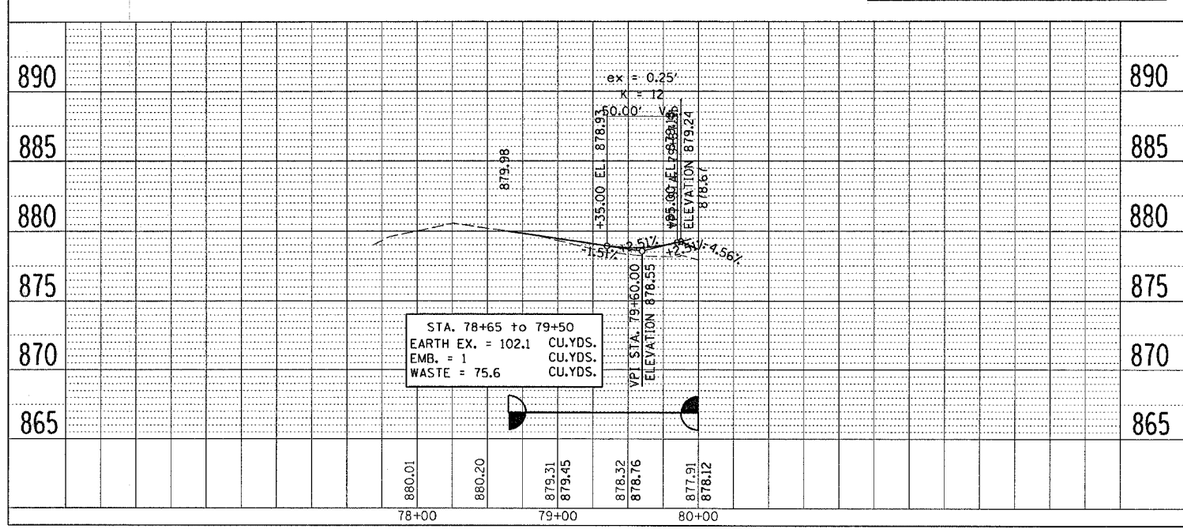
SEVEN HILLS RD

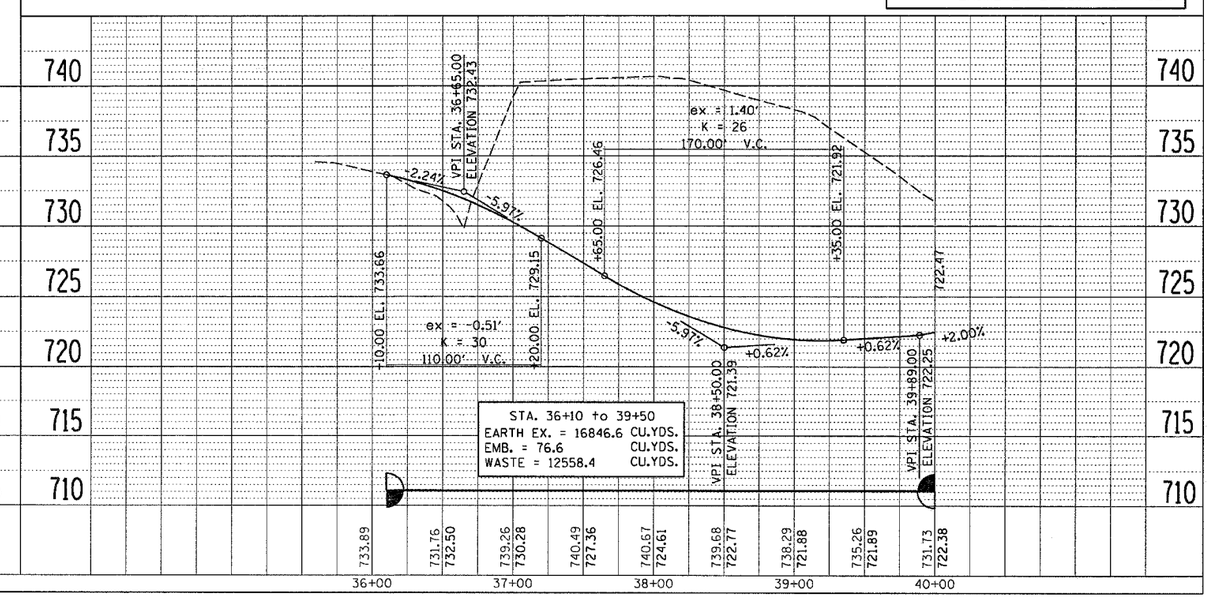


QUARRY ENTRANCE

PROP. CURVE 70340
PI STA. = 37+06.3036
Δ = 33° 07' 29.5142" (LT)
D = 16° 22' 12.8018"
R = 350.0000'
T = 104.0897'
L = 202.3483'
E = 15.1502'
e = -----
T.R. = -----
S.E. RUN = -----
P.C. STA. = 36+02.2139
P.T. STA. = 38+04.5622







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CADD FILE NAME
BY
DATE

PROFILE
NOTE BOOK NO.
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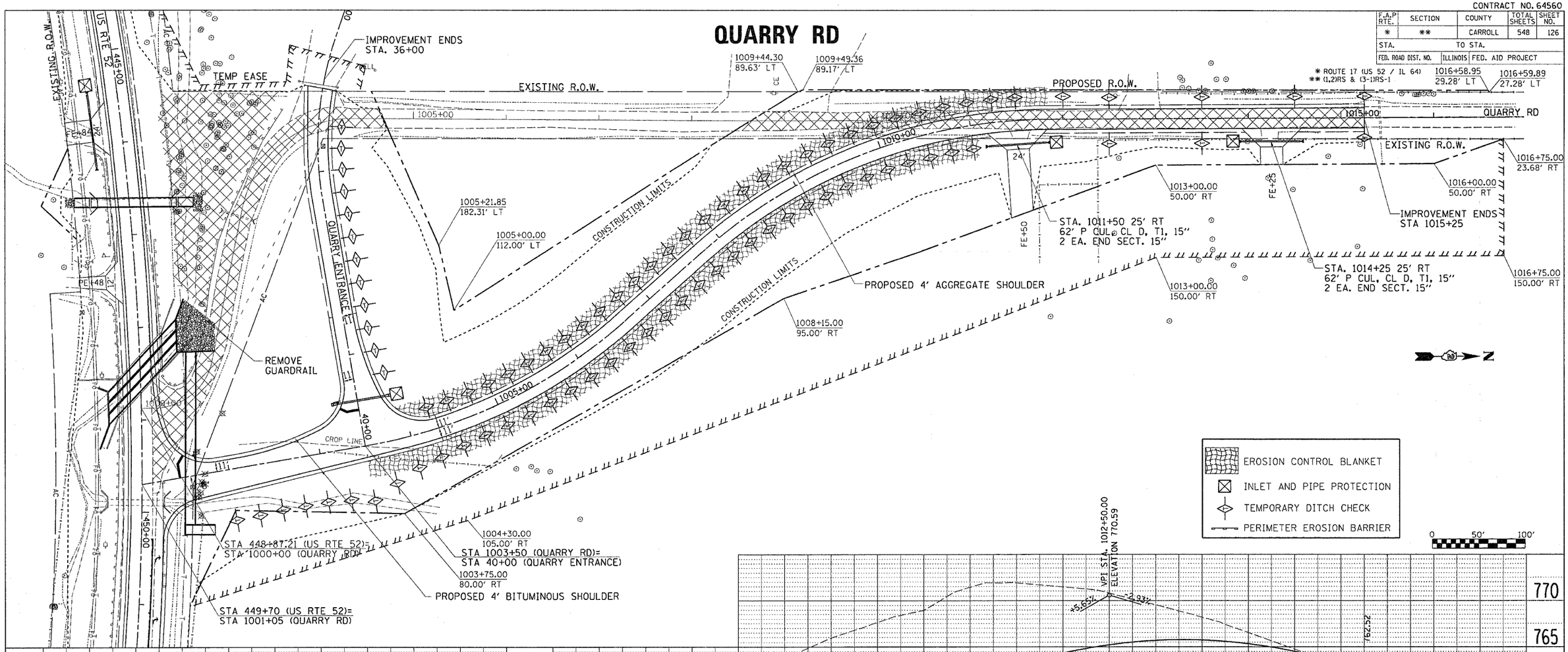
PLOTTED
GRADES CHECKED
B.M. NOTED
STRUCTURE NOTATNS CK'D
BY
DATE

SEVEN HILLS RD./QUARRY ENTRANCE

CONTRACT NO. 64560

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	CARROLL	548	126
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

QUARRY RD



PLAN
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PLOTTED
ALIGNMENT CHECKED
RT. OF WAY CHECKED
CADD FILE NAME
BY
DATE

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

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USER NAME = cushmanbw

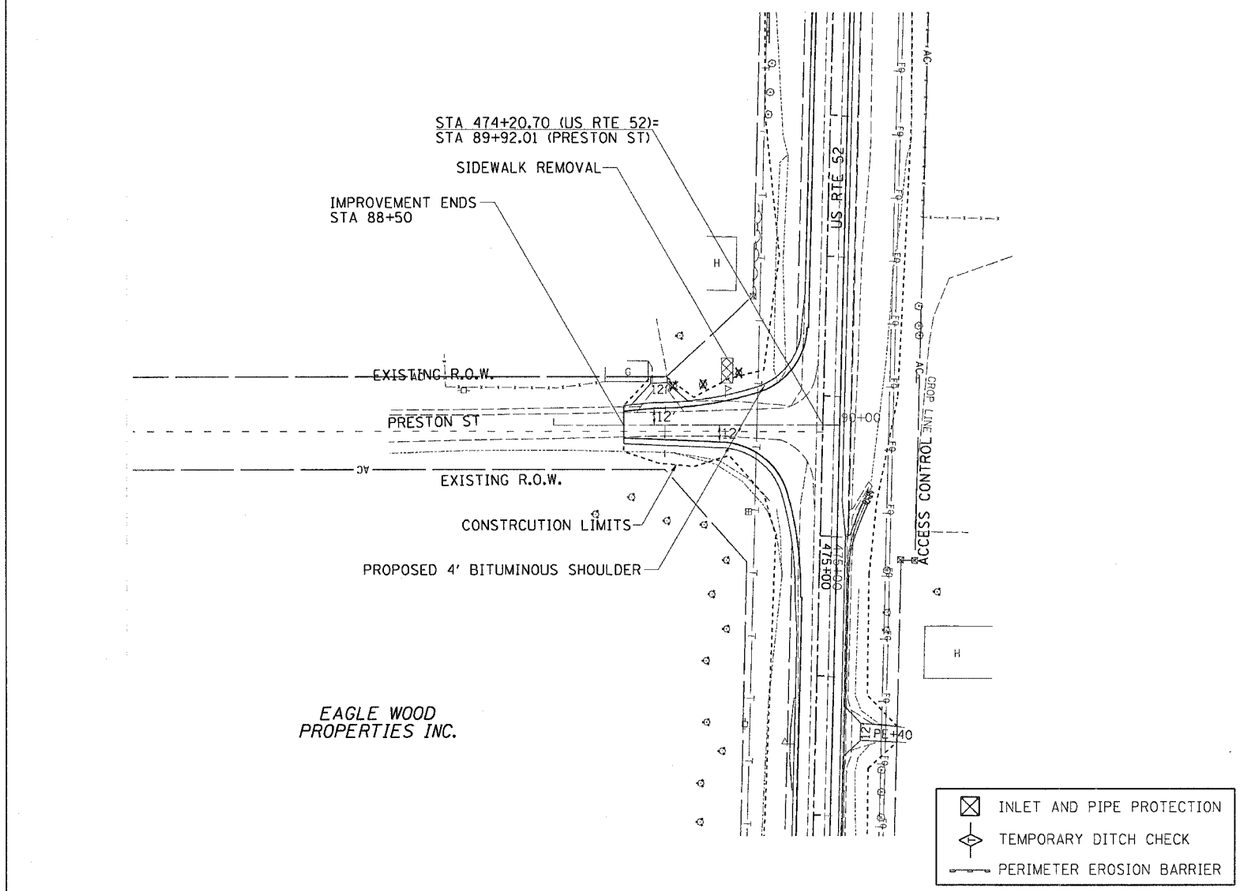
QUARRY RD

CONTRACT NO. 64560

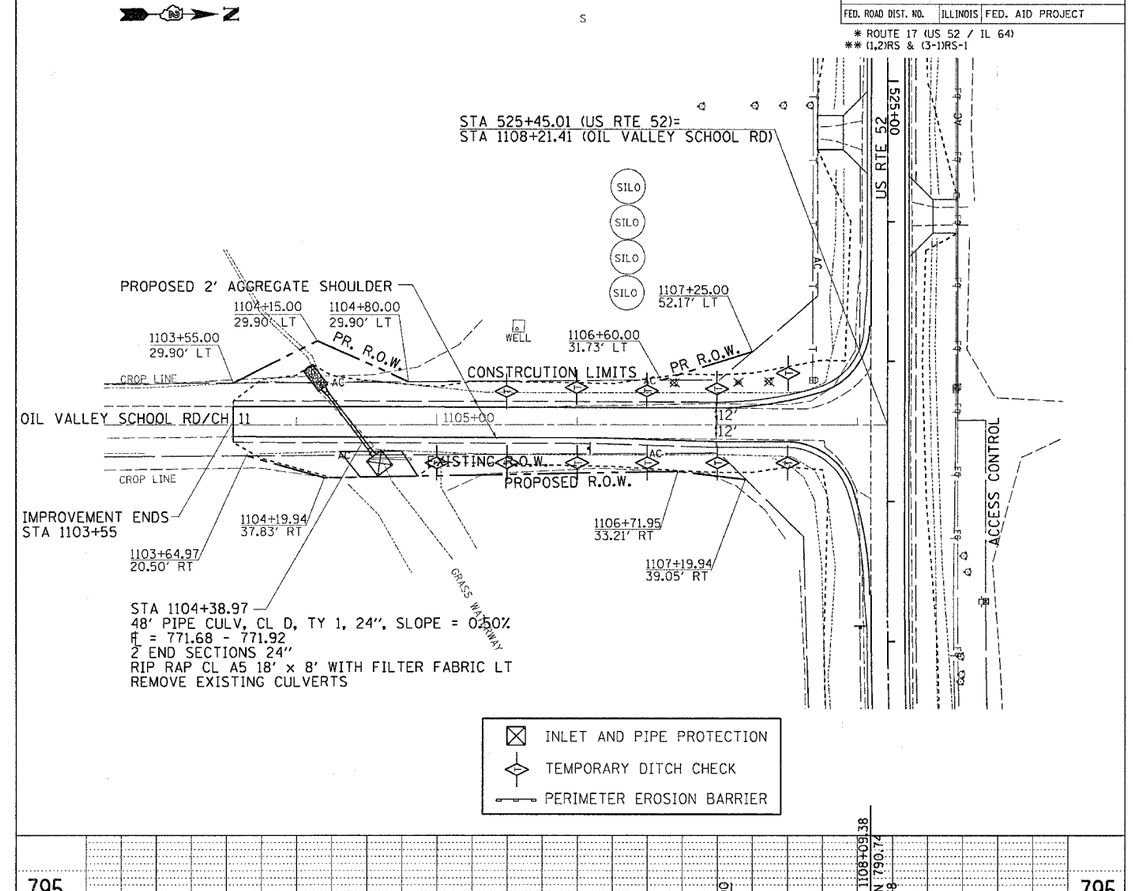
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	CARROLL	548	127
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

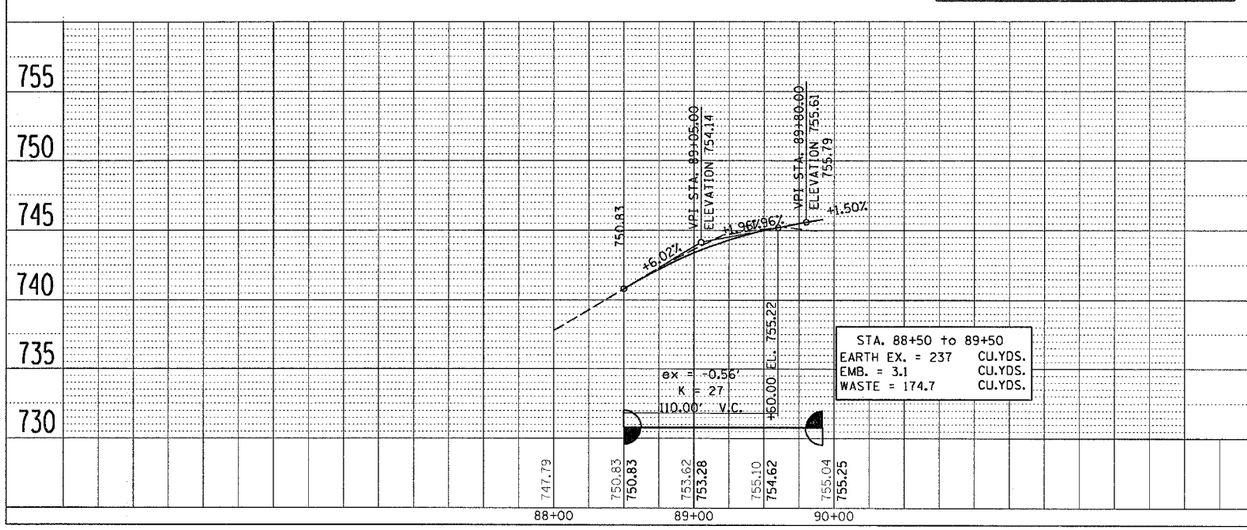
* ROUTE 17 (US 52 / IL 64)
** (1,2)RS & (3-1)RS-1

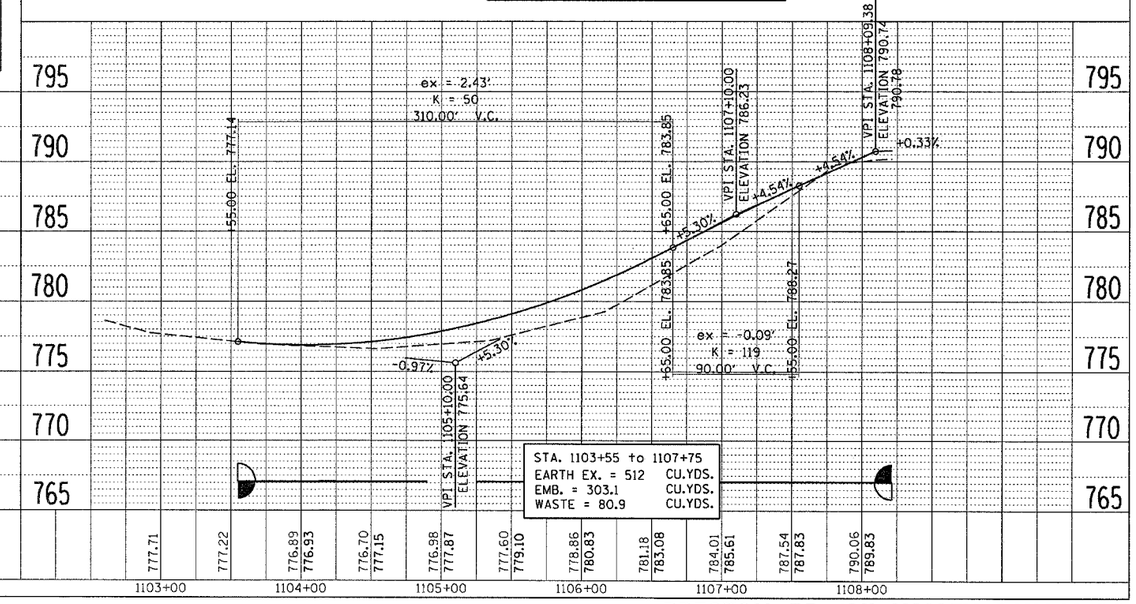
PRESTON RD.



OIL VALLEY SCHOOL RD/CH 11







PLAN
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RT. OF WAY CHECKED
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BY
DATE

PROFILE
NOTE BOOK NO.
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PLOTTED
GRADES CHECKED
B.M. NOTED
STRUCTURE NOTATNS CHKD
BY
DATE

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USER NAME = cushmanbw

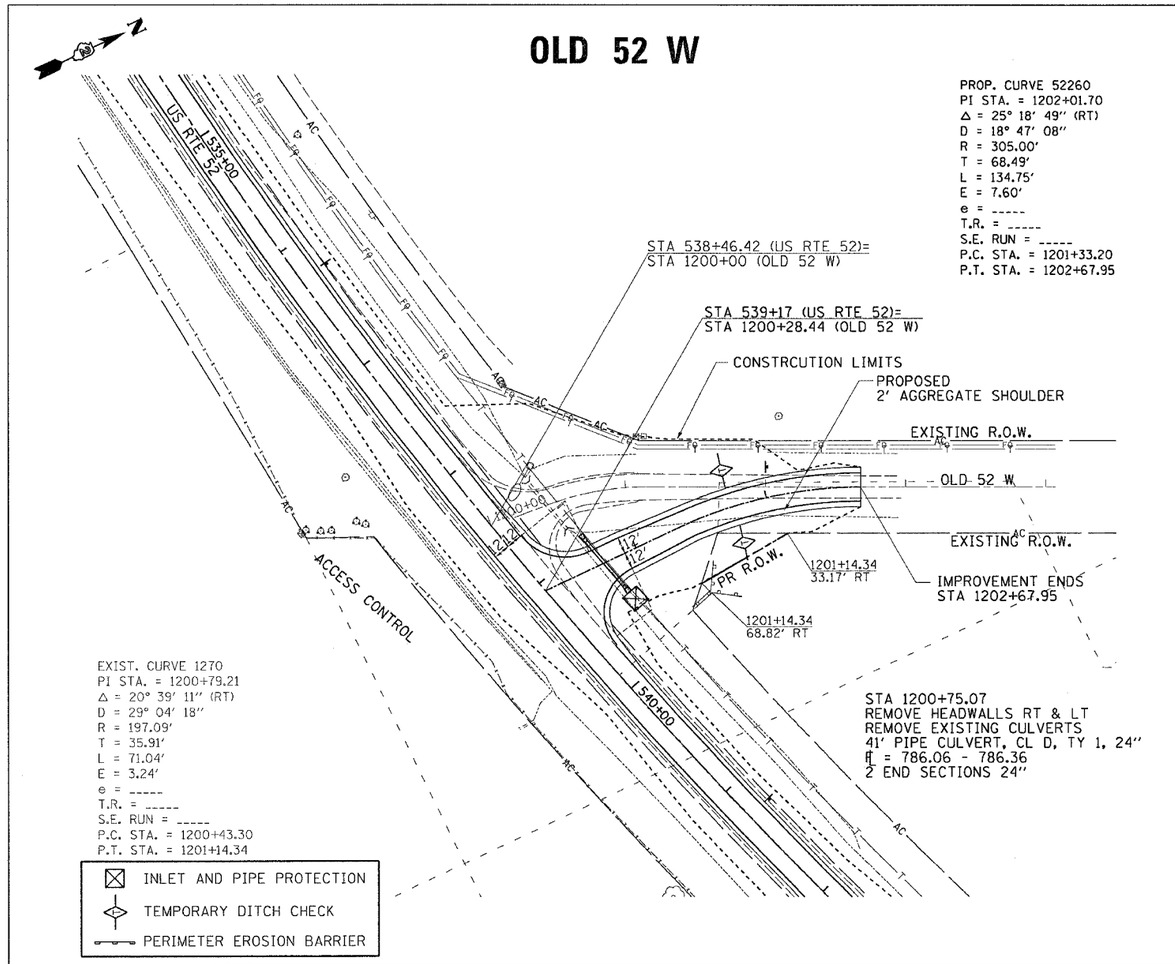
PRESTON RD./OIL VALLEY SCHOOL RD

CONTRACT NO. 64560

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	CARROLL	548	128
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* ROUTE 17 (US 52 / IL 64)
** (1,2)RS & (3-1)RS-1

OLD 52 W

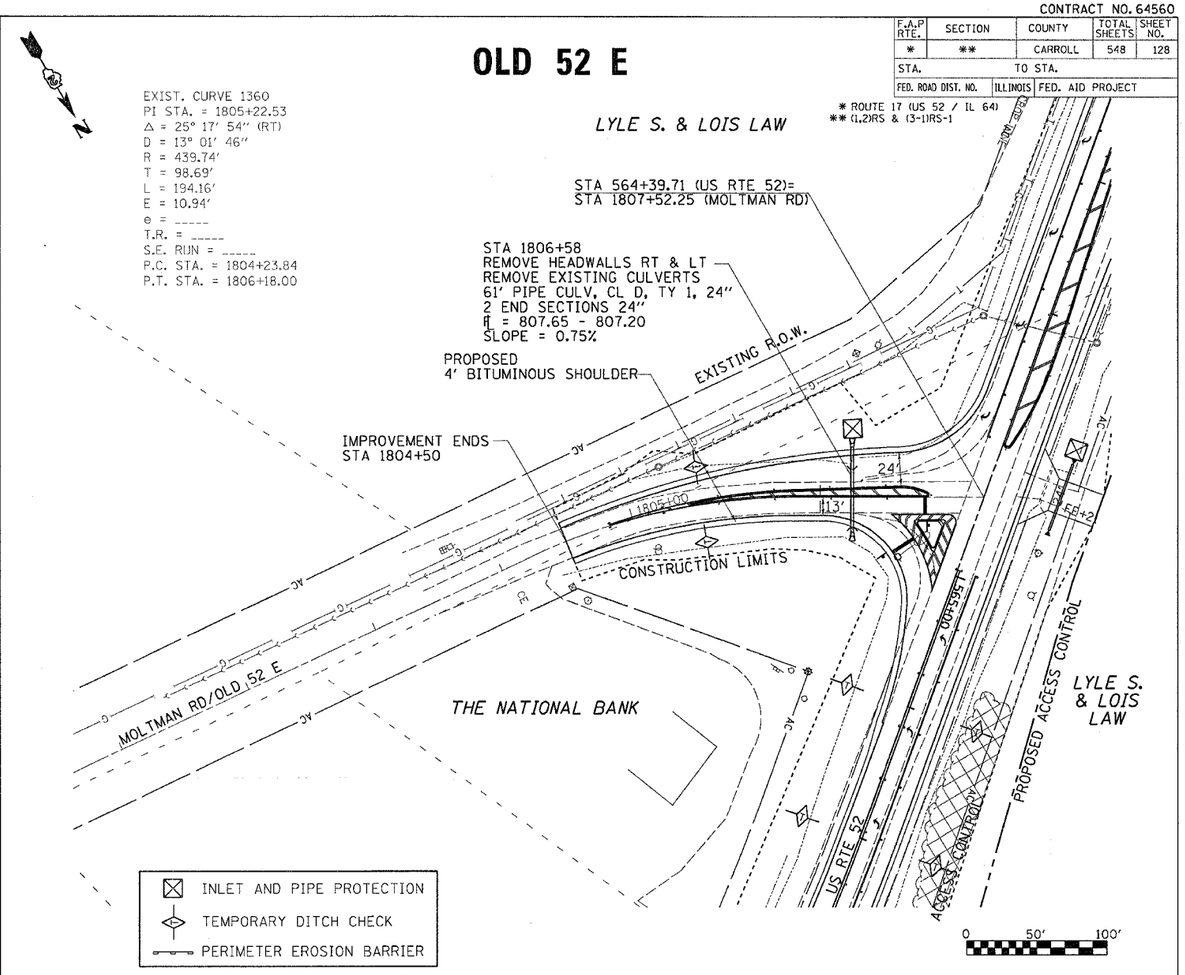


PROP. CURVE 52260
PI STA. = 1202+01.70
Δ = 25° 18' 49" (RT)
D = 18° 47' 08"
R = 305.00'
T = 68.49'
L = 134.75'
E = 7.60'
e = -----
T.R. = -----
S.E. RUN = -----
P.C. STA. = 1201+33.20
P.T. STA. = 1202+67.95

EXIST. CURVE 1270
PI STA. = 1200+79.21
Δ = 20° 39' 11" (RT)
D = 29° 04' 18"
R = 197.09'
T = 35.91'
L = 71.04'
E = 3.24'
e = -----
T.R. = -----
S.E. RUN = -----
P.C. STA. = 1200+43.30
P.T. STA. = 1201+14.34

STA 1200+75.07
REMOVE HEADWALLS RT & LT
REMOVE EXISTING CULVERTS
41' PIPE CULVERT, CL D, TY 1, 24"
FL = 786.06 - 786.36
2 END SECTIONS 24"

OLD 52 E



EXIST. CURVE 1360
PI STA. = 1805+22.53
Δ = 25° 17' 54" (RT)
D = 13° 01' 46"
R = 439.74'
T = 98.69'
L = 194.16'
E = 10.94'
e = -----
T.R. = -----
S.E. RUN = -----
P.C. STA. = 1804+23.84
P.T. STA. = 1806+18.00

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GRADES CHECKED
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NOTE BOOK
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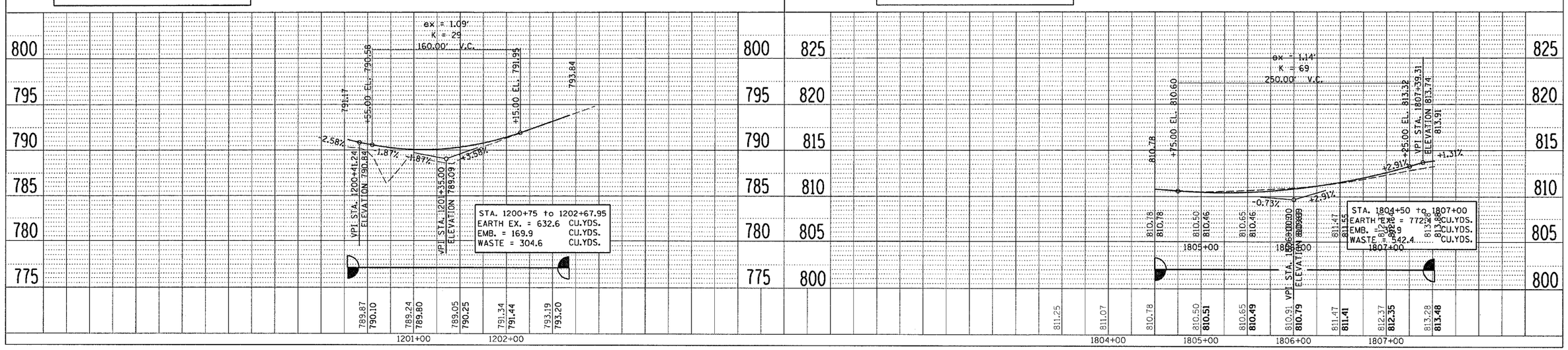
BY
DATE



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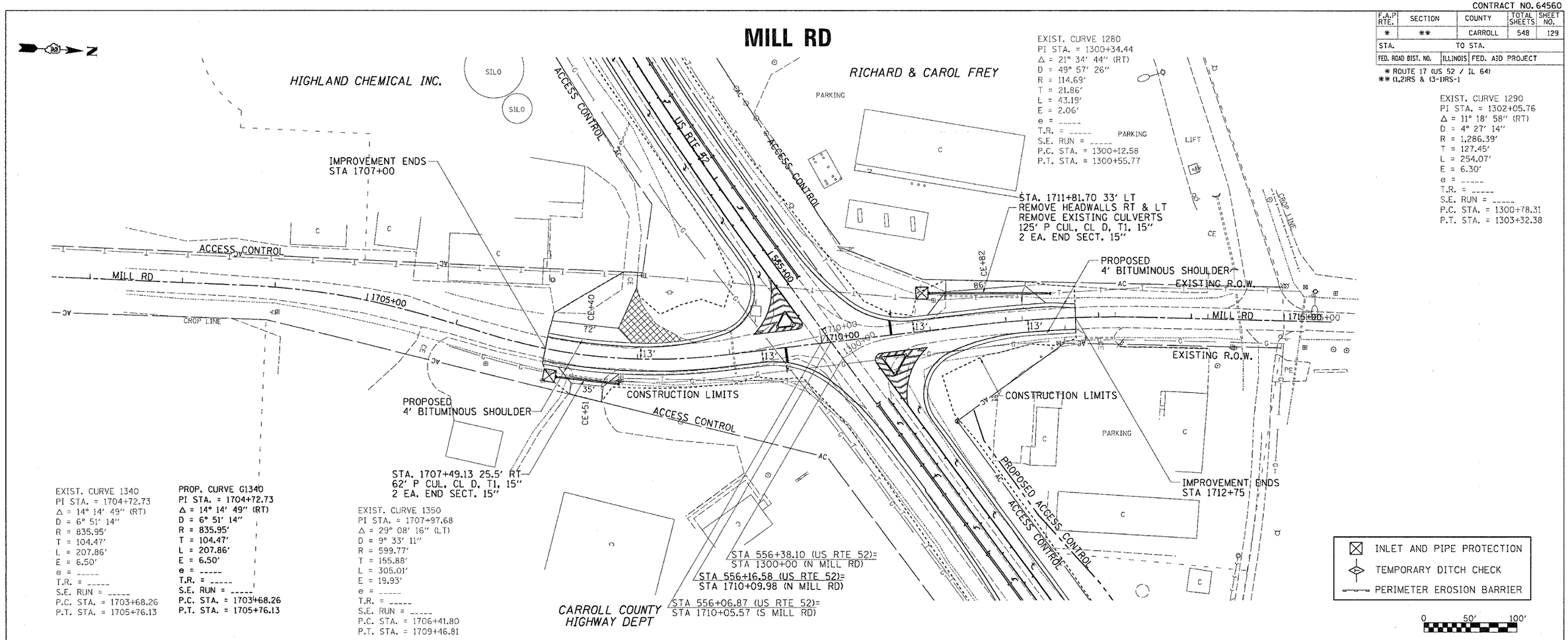
OLD 52 E & W

CONTRACT NO. 64560

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	CARROLL	548	129
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* ROUTE 17 (US 52 / IL 64)
** (1,2)RS & (3-1)RS-1

MILL RD



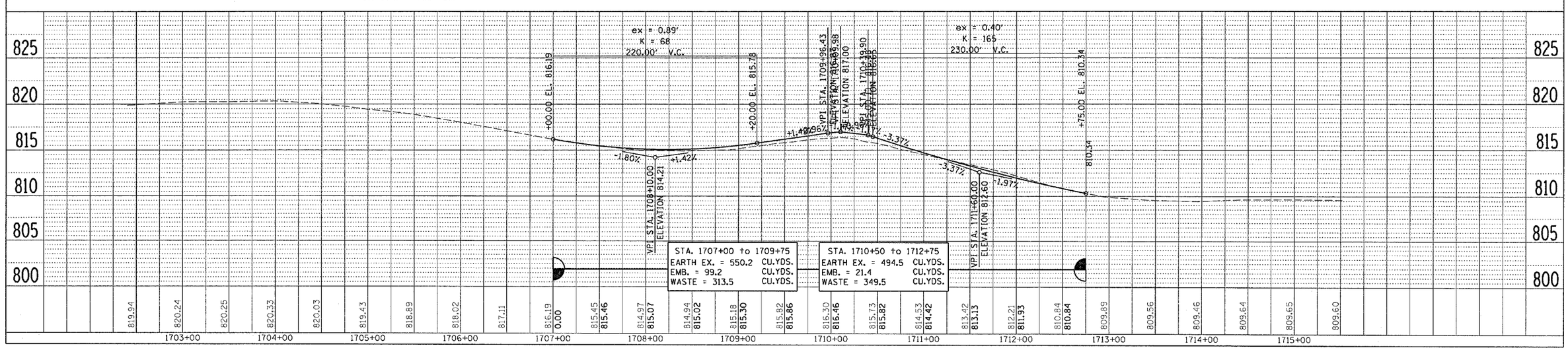
EXIST. CURVE 1280
PI STA. = 1300+34.44
Δ = 21° 34' 44" (RT)
D = 49° 57' 26"
R = 114.69'
T = 21.86'
L = 43.19'
E = 2.06'
e = _____
T.R. = _____
S.E. RUN = _____
P.C. STA. = 1300+12.58
P.T. STA. = 1300+55.77

EXIST. CURVE 1290
PI STA. = 1302+05.76
Δ = 11° 18' 58" (RT)
D = 4° 27' 14"
R = 1,286.39'
T = 127.45'
L = 254.07'
E = 6.30'
e = _____
T.R. = _____
S.E. RUN = _____
P.C. STA. = 1300+78.31
P.T. STA. = 1303+32.38

EXIST. CURVE 1340
PI STA. = 1704+72.73
Δ = 14° 14' 49" (RT)
D = 6° 51' 14"
R = 835.95'
T = 104.47'
L = 207.86'
E = 6.50'
e = _____
T.R. = _____
S.E. RUN = _____
P.C. STA. = 1703+68.26
P.T. STA. = 1705+76.13

PROP. CURVE G1340
PI STA. = 1704+72.73
Δ = 14° 14' 49" (RT)
D = 6° 51' 14"
R = 835.95'
T = 104.47'
L = 207.86'
E = 6.50'
e = _____
T.R. = _____
S.E. RUN = _____
P.C. STA. = 1703+68.26
P.T. STA. = 1705+76.13

EXIST. CURVE 1350
PI STA. = 1707+97.68
Δ = 29° 08' 16" (LT)
D = 9° 33' 11"
R = 599.77'
T = 155.88'
L = 305.01'
E = 19.93'
e = _____
T.R. = _____
S.E. RUN = _____
P.C. STA. = 1706+41.80
P.T. STA. = 1709+46.81



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GRADES CHECKED
BLUE TOP CHECKED
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PROFILE
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GRADES CHECKED
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STRUCTURE NOTATIONS CHKD
NOTE BOOK
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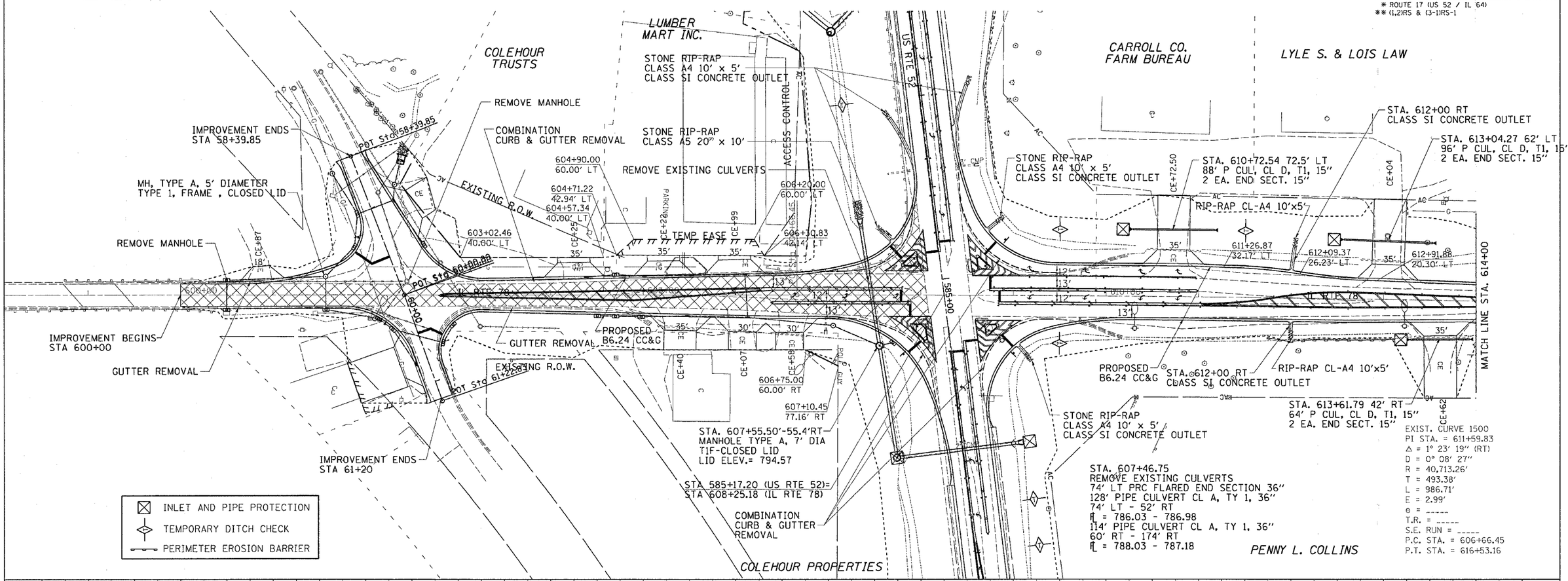
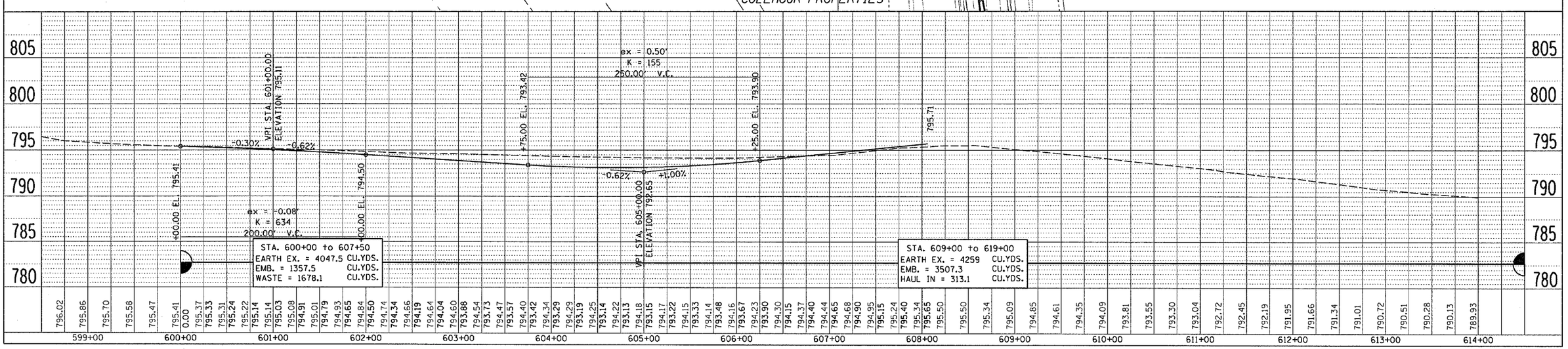
CONTRACT NO. 64560

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	CARROLL	548	130
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* ROUTE 17 (US 52 / IL 64)
** (1,2)RS & (3-1)RS-1

IL RTE 78





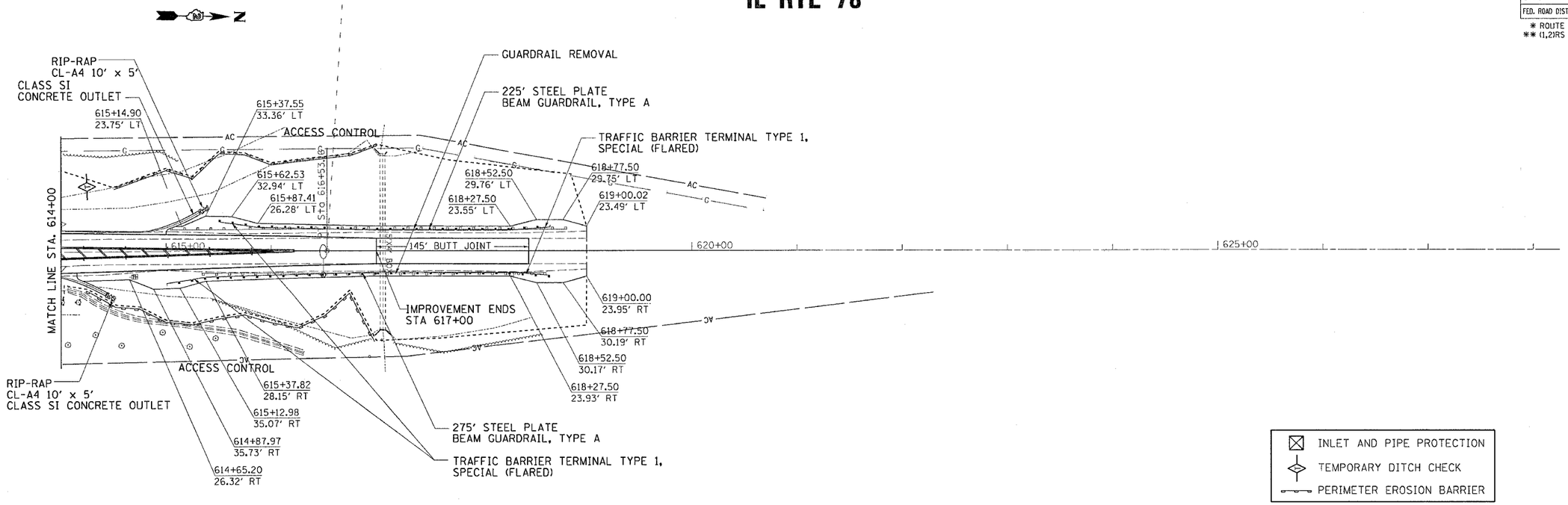
IL RTE 78

CONTRACT NO. 64560

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	CARROLL	548	131
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* ROUTE 17 (US 52 / IL 64)
** (1,2)RS & (3-1)RS-1

IL RTE 78



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RT. OF WAY CHECKED
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DATE

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SURVEYED
PLOTTED
GRADES CHECKED
B.M. NOTED
STRUCTURE NOTATNS CHKD
BY
DATE

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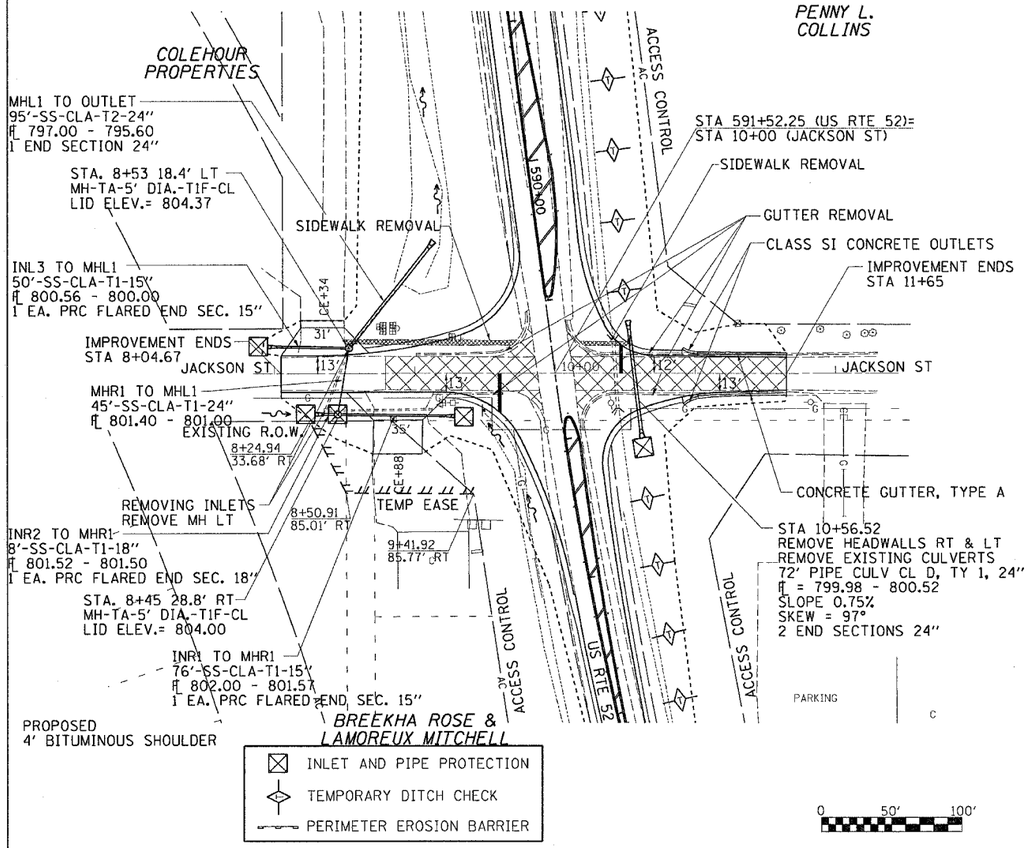
USER NAME = cushmanbw

CONTRACT NO. 64560

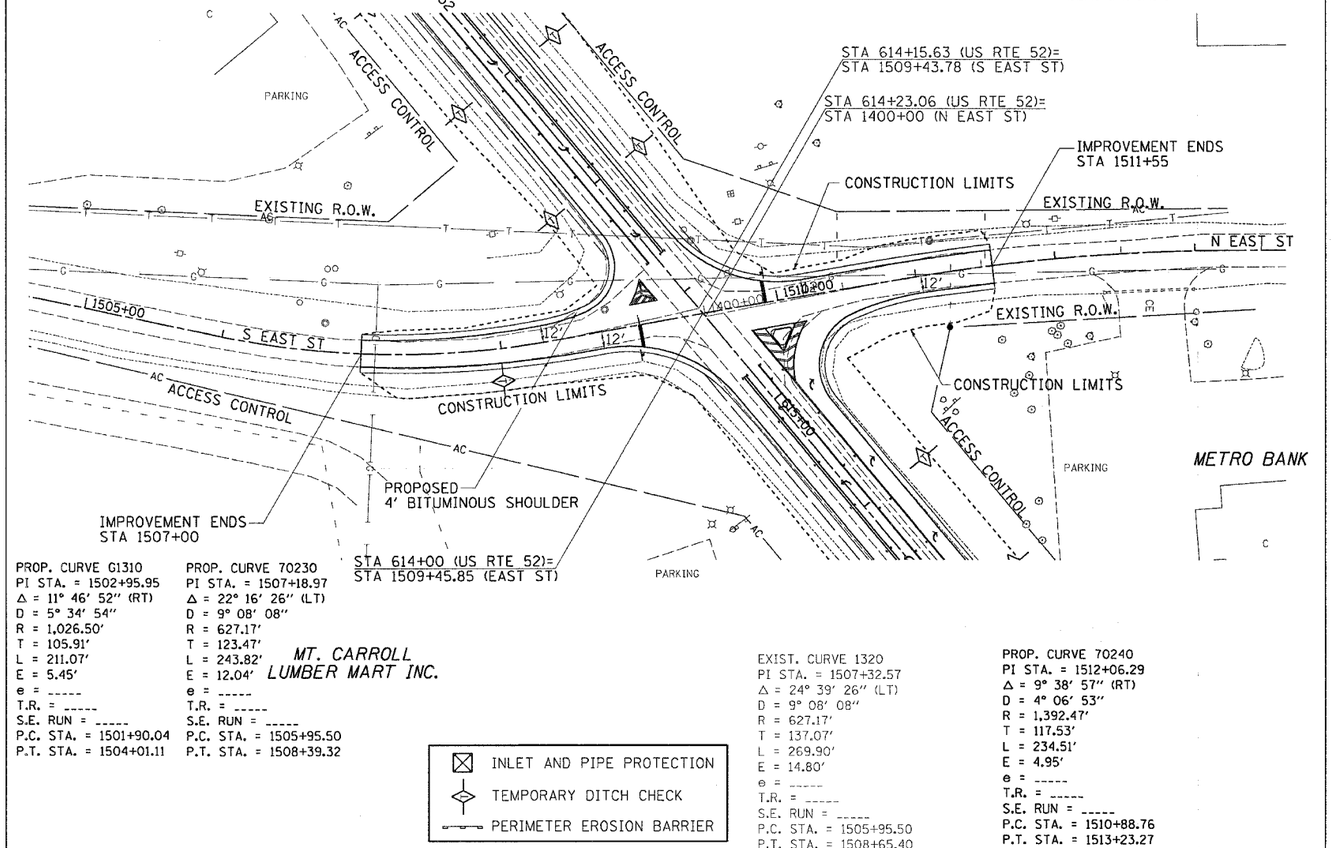
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	CARROLL	548	132
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* ROUTE 17 (US 52 / IL 64)
** (1,2)RS & (3-1)RS-1

JACKSON ST



EAST ST



PROP. CURVE G1310
PI STA. = 1502+95.95
Δ = 11° 46' 52" (RT)
D = 5° 34' 54"
R = 1,026.50'
T = 105.91'
L = 211.07'
E = 5.45'
e = -----
T.R. = -----
S.E. RUN = -----
P.C. STA. = 1501+90.04
P.T. STA. = 1504+01.11

PROP. CURVE 70230
PI STA. = 1507+18.97
Δ = 22° 16' 26" (LT)
D = 9° 08' 08"
R = 627.17'
T = 123.47'
L = 243.82'
E = 12.04'
e = -----
T.R. = -----
S.E. RUN = -----
P.C. STA. = 1505+95.50
P.T. STA. = 1508+39.32

MT. CARROLL LUMBER MART INC.

EXIST. CURVE 1320
PI STA. = 1507+32.57
Δ = 24° 39' 26" (LT)
D = 9° 08' 08"
R = 627.17'
T = 137.07'
L = 269.90'
E = 14.80'
e = -----
T.R. = -----
S.E. RUN = -----
P.C. STA. = 1505+95.50
P.T. STA. = 1508+65.40

PROP. CURVE 70240
PI STA. = 1512+06.29
Δ = 9° 38' 57" (RT)
D = 4° 06' 53"
R = 1,392.47'
T = 117.53'
L = 234.51'
E = 4.95'
e = -----
T.R. = -----
S.E. RUN = -----
P.C. STA. = 1510+88.76
P.T. STA. = 1513+23.27

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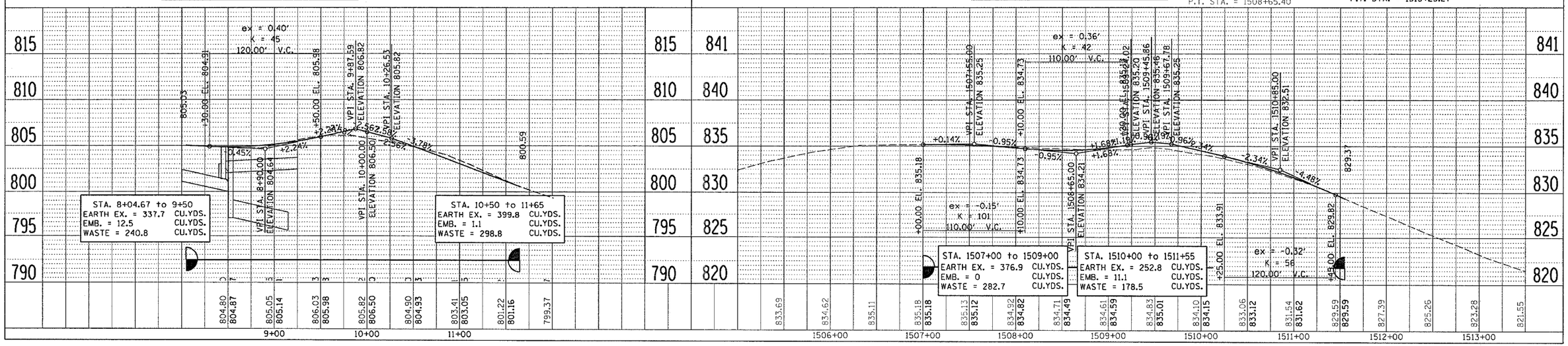
ALIGNMENT CHECKED
RIGHT-OF-WAY STAKED
CADD FILE NAME
BY DATE

PROFILE
NOTE BOOK NO.
SURVEYED
PLOTTED
GRADES CHECKED
B.M. NOTED
STRUCTURE NOTAT'NS CHKD
BY DATE



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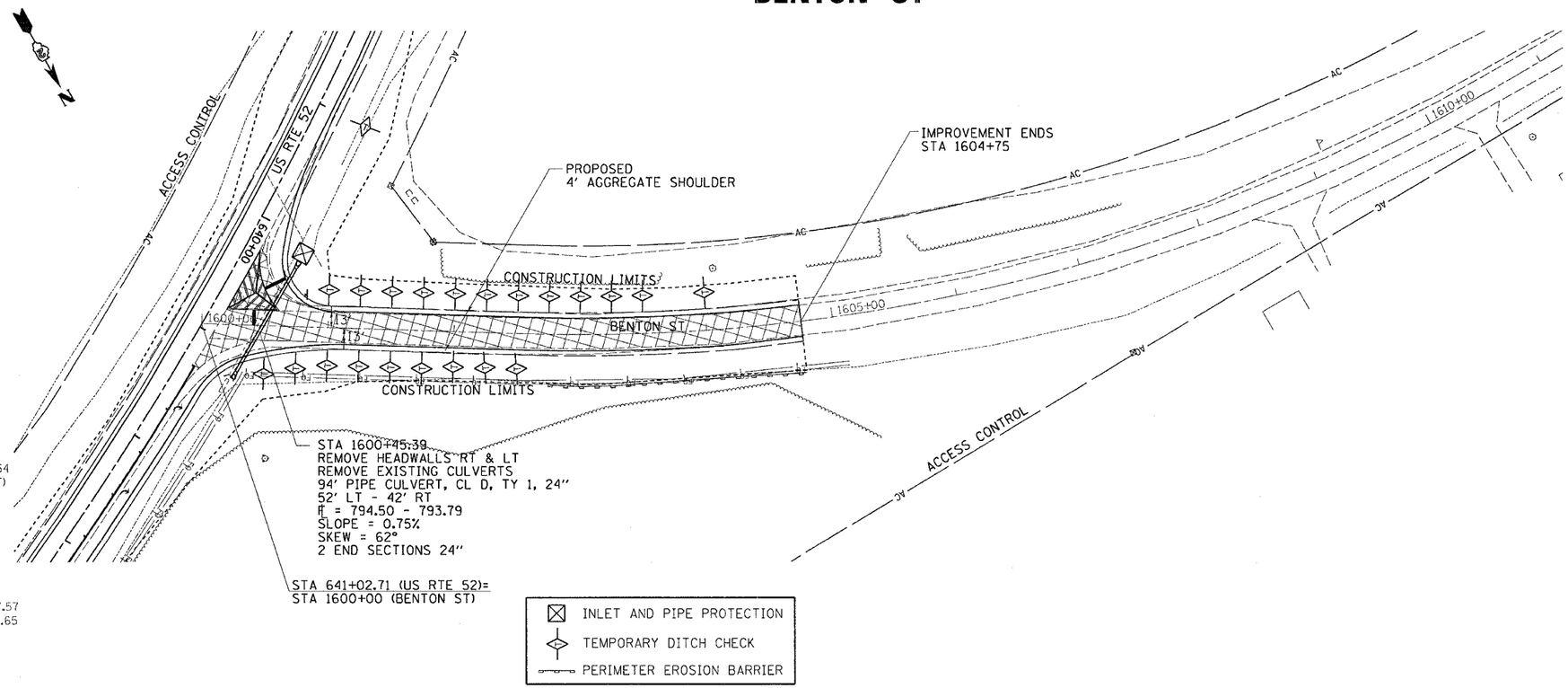
JACKSON ST./EAST ST.

CONTRACT NO. 64560

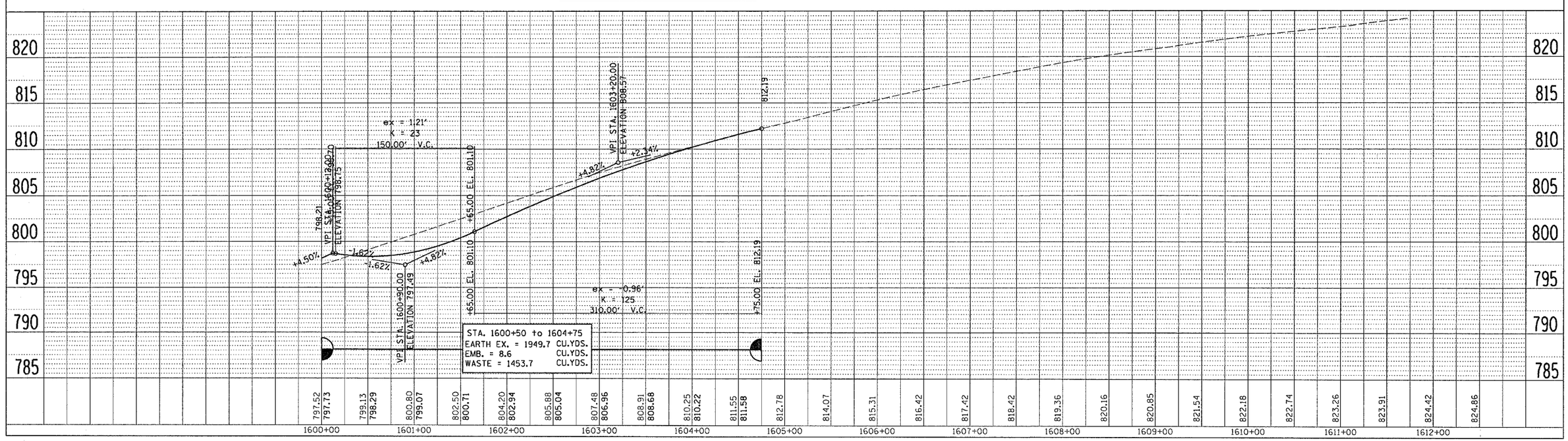
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	CARROLL	548	133
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* ROUTE 17 (US 52 / IL 64)
** (1,2)RS & (3-1)RS-1

BENTON ST



EXIST. CURVE 1330
PI STA. = 1606+78.54
Δ = 32° 37' 05" (LT)
D = 3° 58' 56"
R = 1,438.76'
T = 420.97'
L = 819.08'
E = 60.32'
e = 5.2%
T.R. = 36'
S.E. RUN = 126'
P.C. STA. = 1602+57.57
P.T. STA. = 1610+76.65



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PLOTTED		
ALIGNMENT CHECKED		
NOTE BOOK NO. ____ CADD FILE NAME		

PROFILE	BY	DATE
SURVEYED		
PLOTTED		
GRADES CHECKED		
NOTE BOOK NO. ____ STRUCTURE NOTATIONS CHKD		

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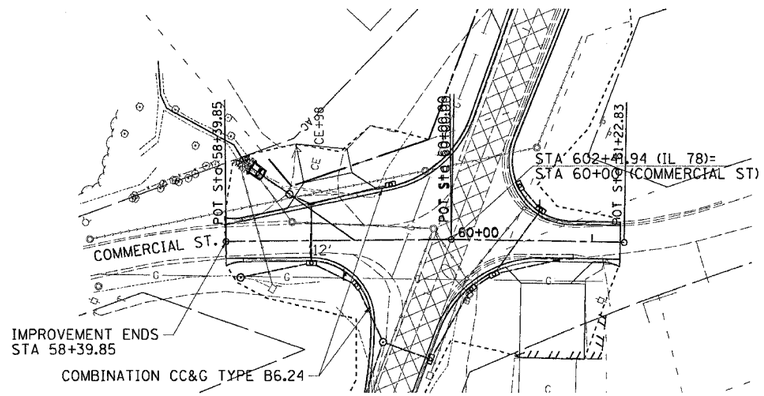
BENTON ST

CONTRACT NO. 64560

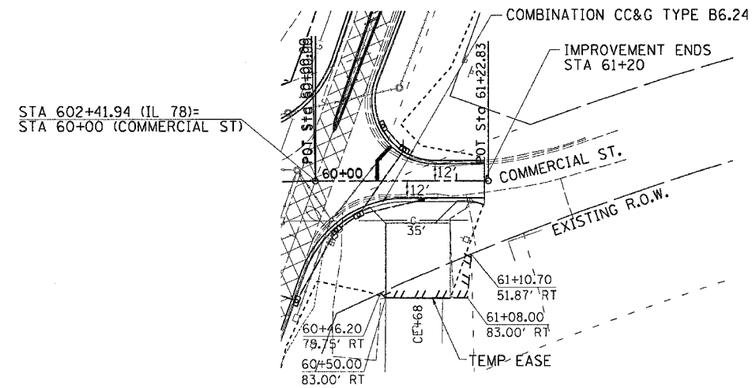
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	CARROLL	548	134
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* ROUTE 17 (US 52 / IL 64)
** (1,2)RS & (3-1)RS-1

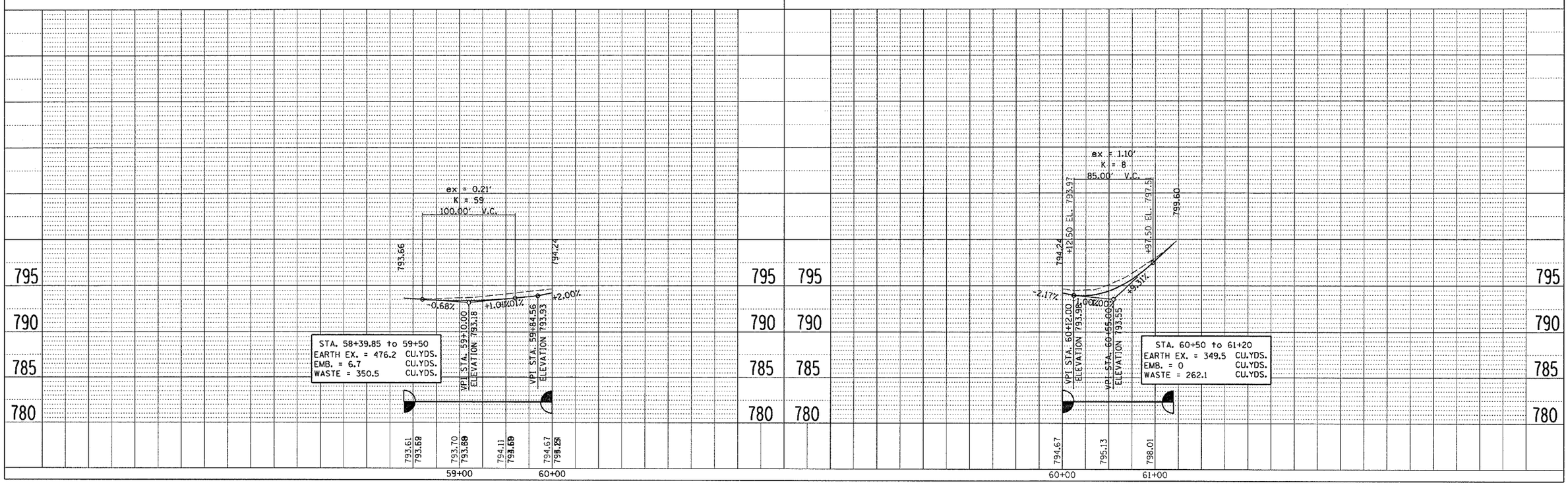
COMMERCIAL ST. (WEST)



COMMERCIAL ST. (EAST)



- INLET AND PIPE PROTECTION
- TEMPORARY DITCH CHECK
- PERIMETER EROSION BARRIER



MOLTMAN ST. **COMMERCIAL ST.**

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PLOTTED		
ALIGNMENT CHECKED		
RIGHT OF WAY CHECKED		
CADD FILE NAME		
NOTE BOOK NO.		

PROFILE	BY	DATE
SURVEYED		
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B.M. NOTED		
STRUCTURE NOTATNS CHKD		
NOTE BOOK NO.		

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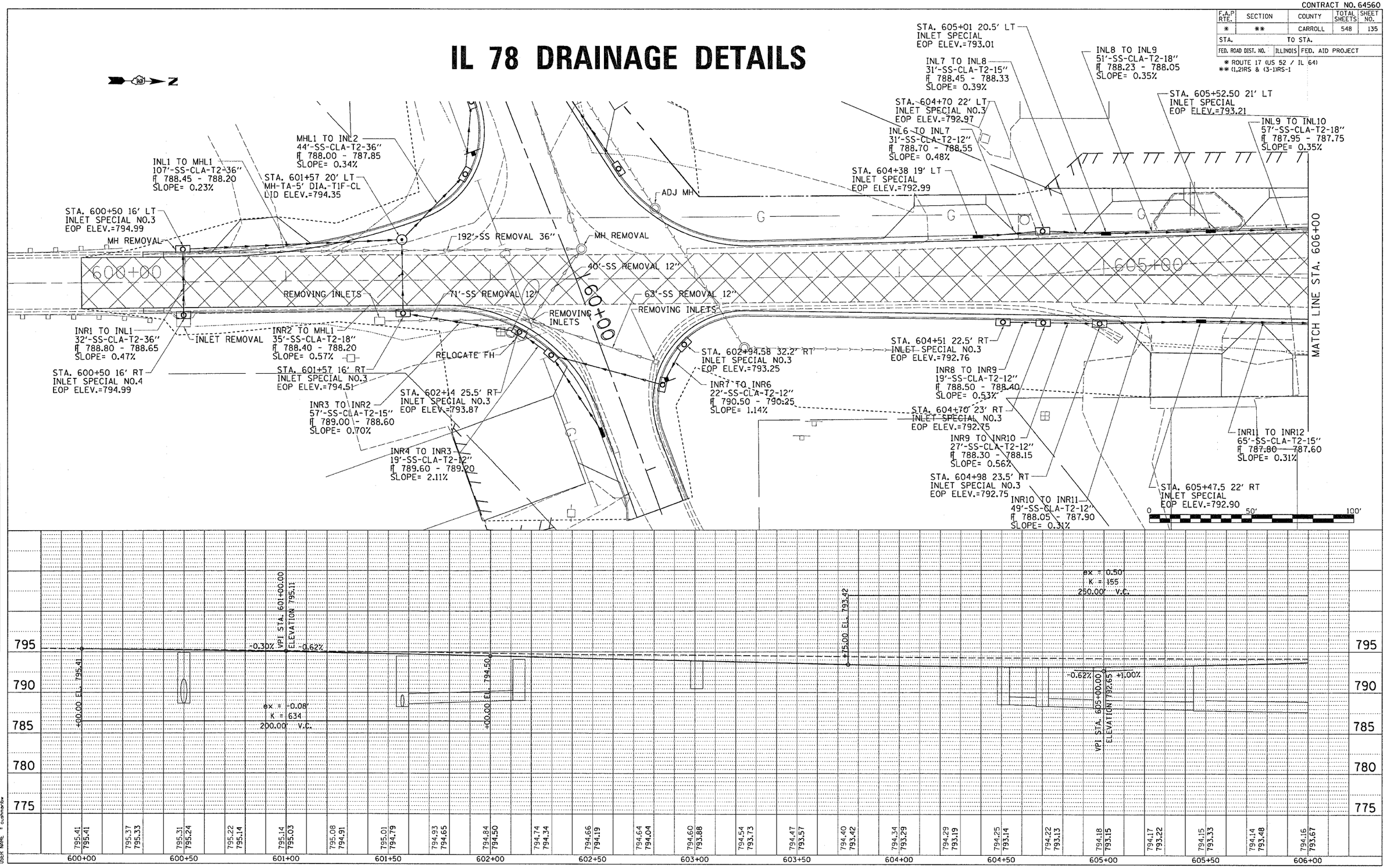
CONTRACT NO. 64560

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	CARROLL	548	135
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* ROUTE 17 (US 52 / IL 64)
** (1,2)RS & (3-1)RS-1

IL 78 DRAINAGE DETAILS



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USER NAME = cushnanbw

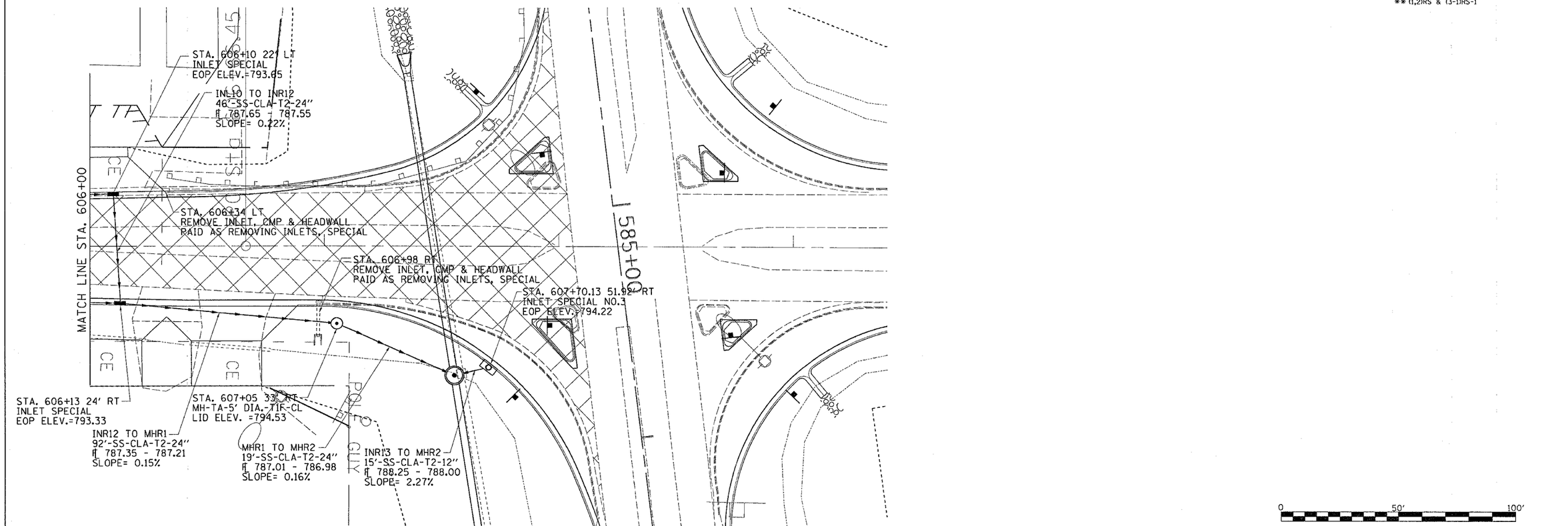
DRAINAGE DETAILS IL 78

CONTRACT NO. 64560

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	CARROLL	548	136
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* ROUTE 17 (US 52 / IL 64)
** (1,2)RS & (3-1)RS-1

IL 78 DRAINAGE DETAILS



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

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

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USER NAME = cushmanbw

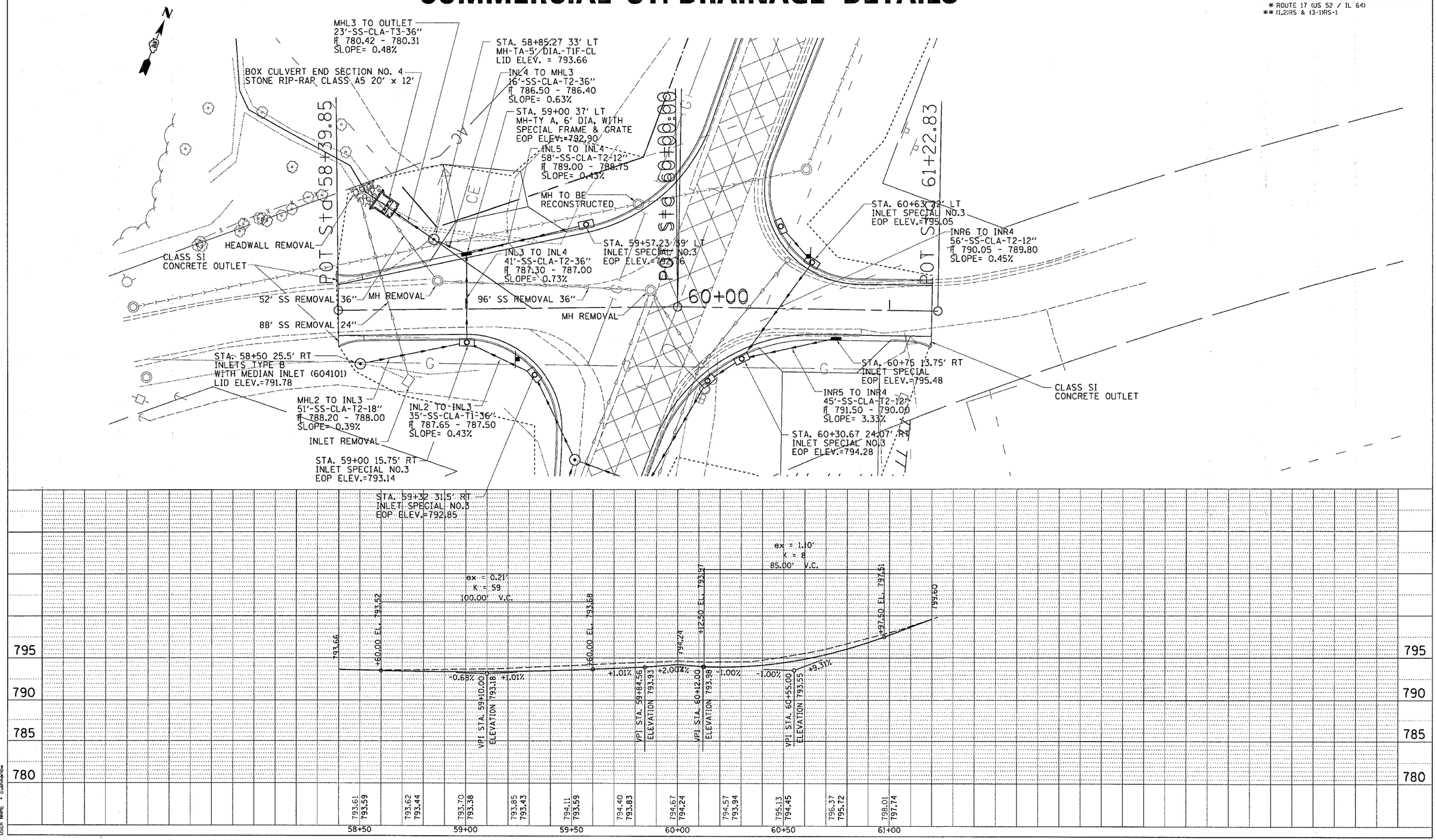
DRAINAGE DETAILS IL 78

CONTRACT NO. 64560

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	CARROLL	548	137
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* ROUTE 17 (US 52 / IL 64)
** (1,2)RS & (3-1)RS-1

COMMERCIAL ST. DRAINAGE DETAILS



PLAN
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SURVEYED
PLOTTED
ALIGNMENT CHECKED
R.I. OF WAY CHECKED
CADD FILE NAME
BY
DATE

PROFILE
NOTE BOOK NO. ____
SURVEYED
PLOTTED
GRADES CHECKED
R.W. NOTED
STRUCTURE NOTATIONS CHKD
BY
DATE

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USER NAME = cushmanbw

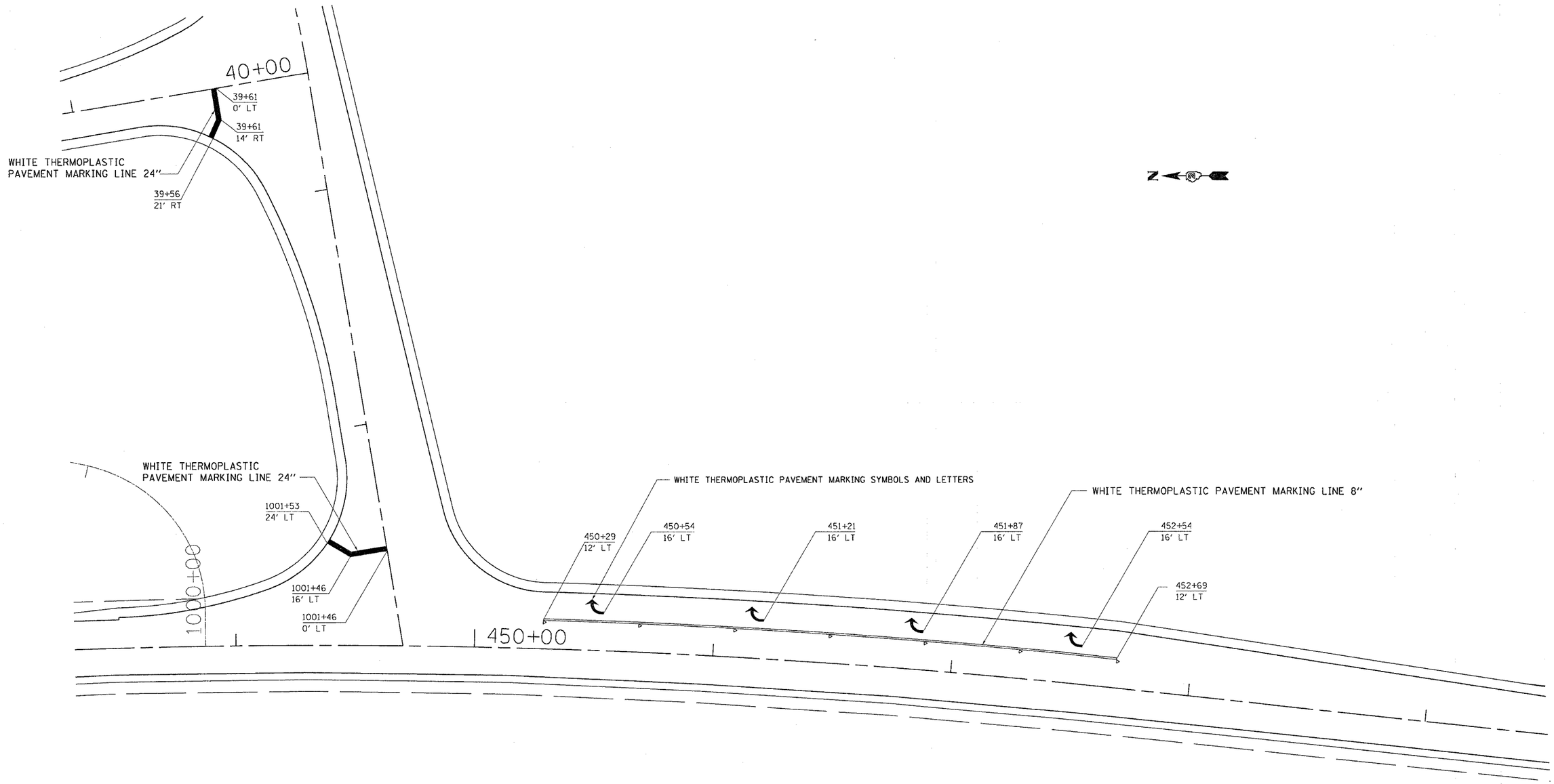
DRAINAGE DETAILS COMMERCIAL ST.

CONTRACT NO. 64560

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	CARROLL	548	138
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* ROUTE 17 (US 52 / IL 64)
** (1,2)RS & (3-1)RS-1

PAVEMENT MARKING DETAILS



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

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SCALE: VERT. HORIZ.
DATE
DRAWN BY
CHECKED BY

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USER NAME = hensonke

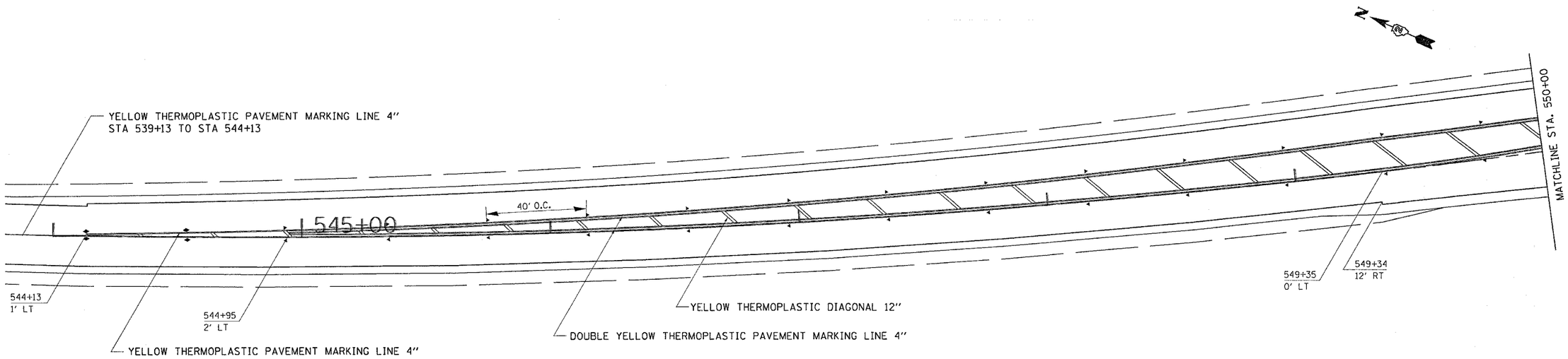
PAVEMENT MARKINGS

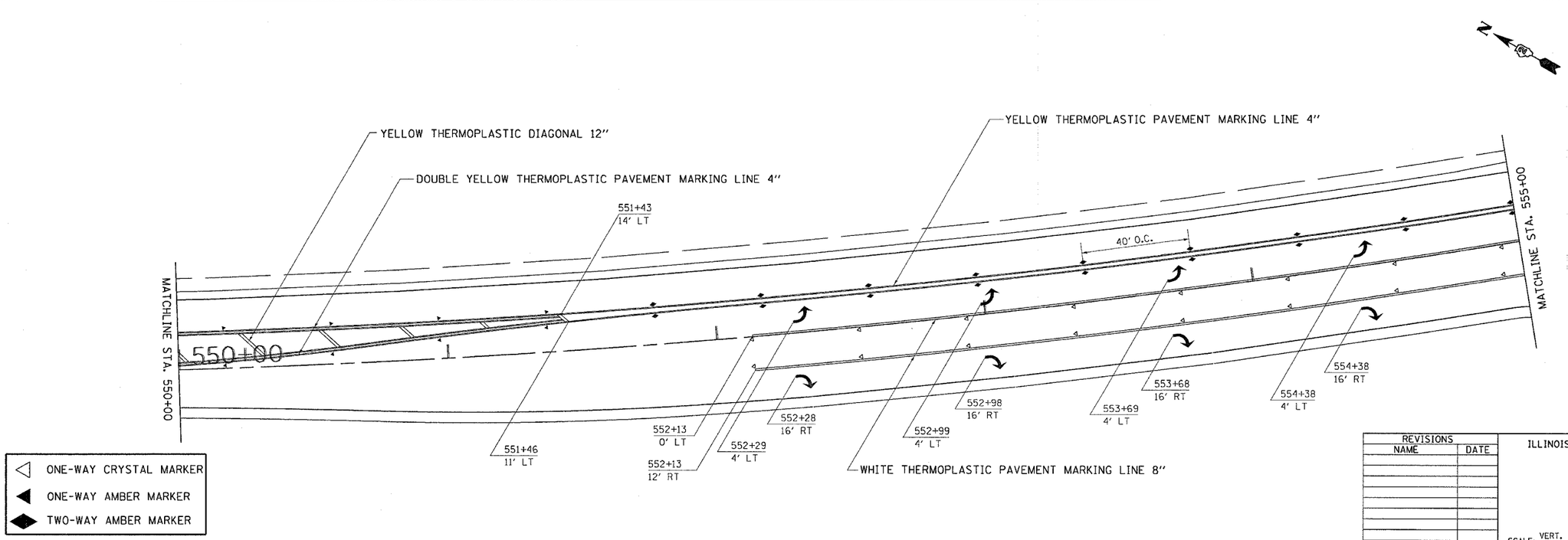
CONTRACT NO. 64560

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	CARROLL	548	139
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* ROUTE 17 (US 52 / IL 64)
** (1,2)RS & (3-1)RS-1

PAVEMENT MARKING DETAILS





ONE-WAY CRYSTAL MARKER
ONE-WAY AMBER MARKER
TWO-WAY AMBER MARKER

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SCALE: VERT. HORIZ.
DATE
DRAWN BY
CHECKED BY

PAVEMENT MARKINGS

PLOT DATE = Fri Mar 23 06:27:55 2007
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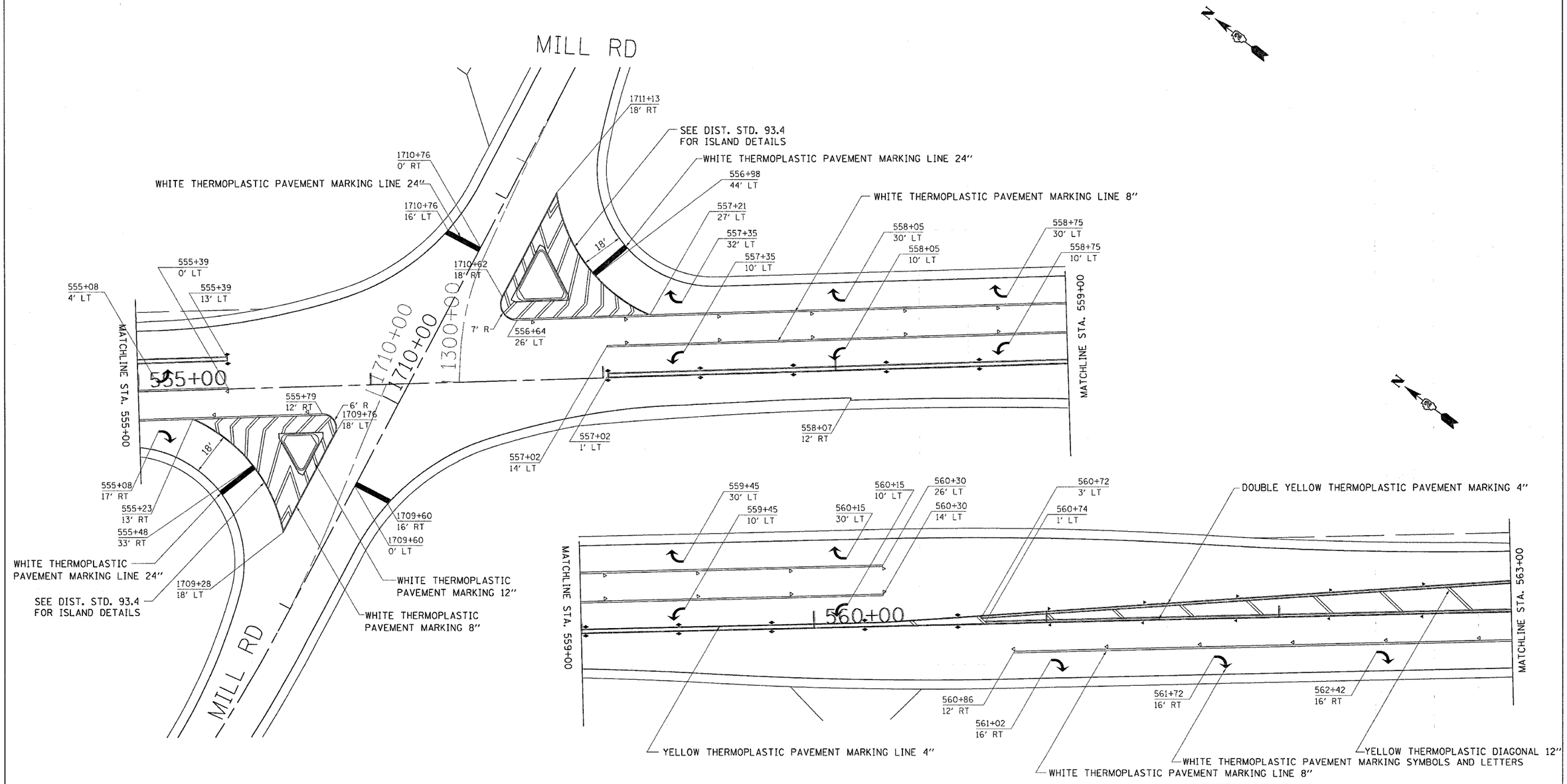
PLOT SCALE = 20.0000 ' / IN.
USER NAME = hensonke

CONTRACT NO. 64560

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	CARROLL	548	140
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* ROUTE 17 (US 52 / IL 64)
** (1,2)RS & (3-1)RS-1

PAVEMENT MARKING DETAILS



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SCALE: VERT. HORIZ.

DATE

DRAWN BY

CHECKED BY

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USER NAME = hansonke

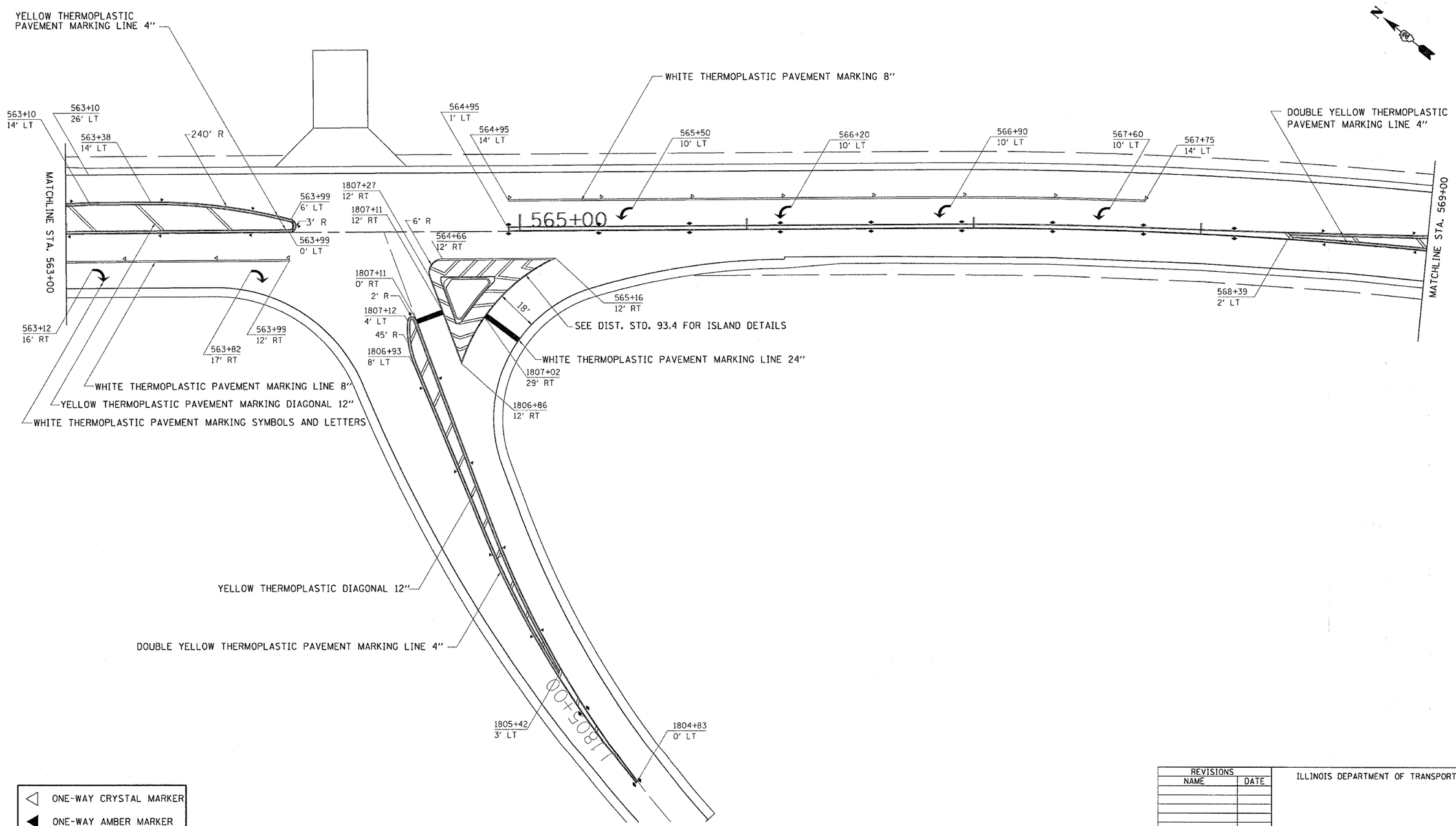
PAVEMENT MARKINGS

CONTRACT NO. 64560

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	CARROLL	548	141
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* ROUTE 17 (US 52 / IL 64)
** (1,2)RS & (3-1)RS-1

PAVEMENT MARKING DETAILS



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

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USER NAME = herscoke

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SCALE: VERT. HORIZ.
DATE
DRAWN BY
CHECKED BY

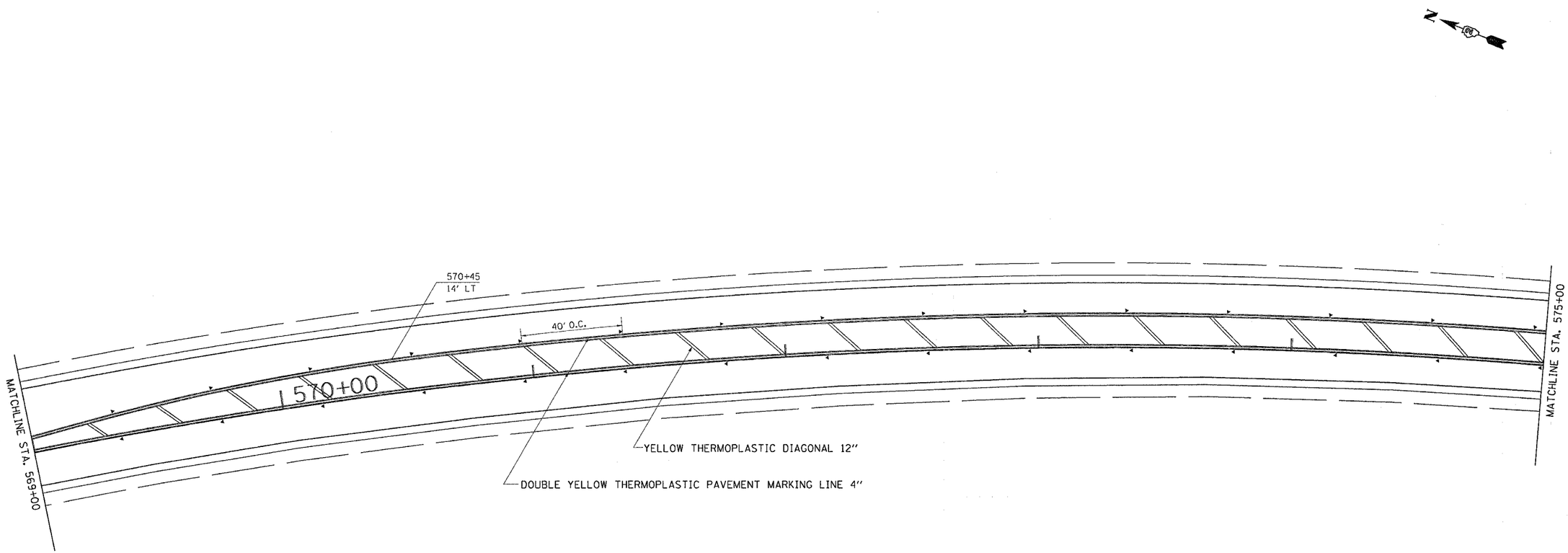
PAVEMENT MARKINGS

CONTRACT NO. 64560

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	CARROLL	548	142
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* ROUTE 17 (US 52 / IL 64)
** (1,2)RS & (3-1)RS-1

PAVEMENT MARKING DETAILS



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

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SCALE: VERT. HORIZ.
DATE
DRAWN BY
CHECKED BY

PAVEMENT MARKINGS

PLOT DATE = Fri Mar 23 06:27:56 2007
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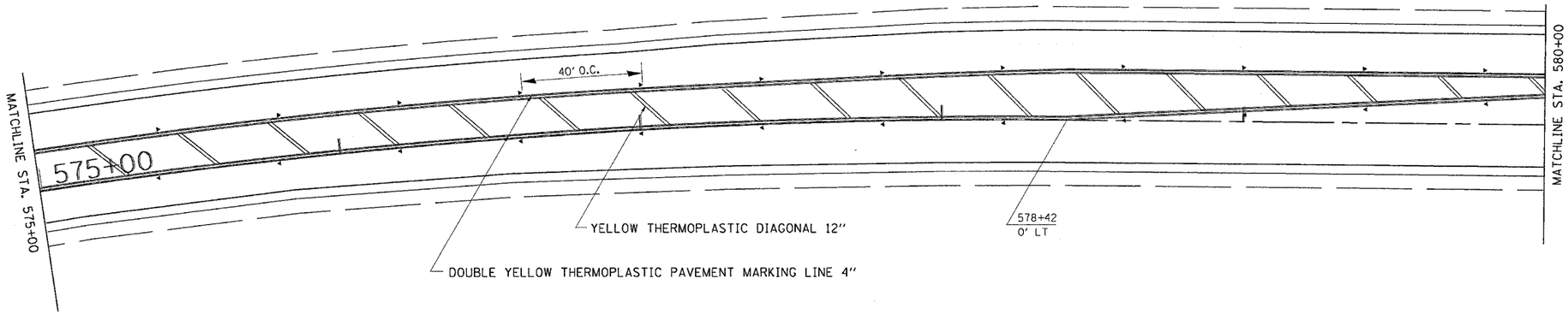
USER NAME = hansonke

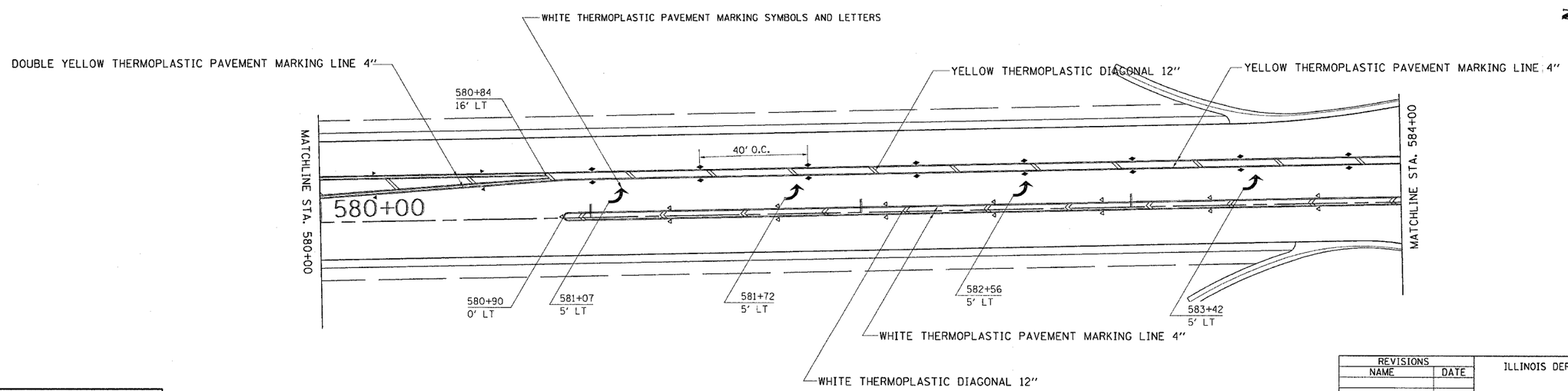
CONTRACT NO. 64560

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	CARROLL	548	143
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* ROUTE 17 (US 52 / IL 64)
** (1,2)RS & (3-1)RS-1

PAVEMENT MARKING DETAILS





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

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SCALE: VERT. HORIZ.
DATE
DRAWN BY
CHECKED BY

PAVEMENT MARKINGS

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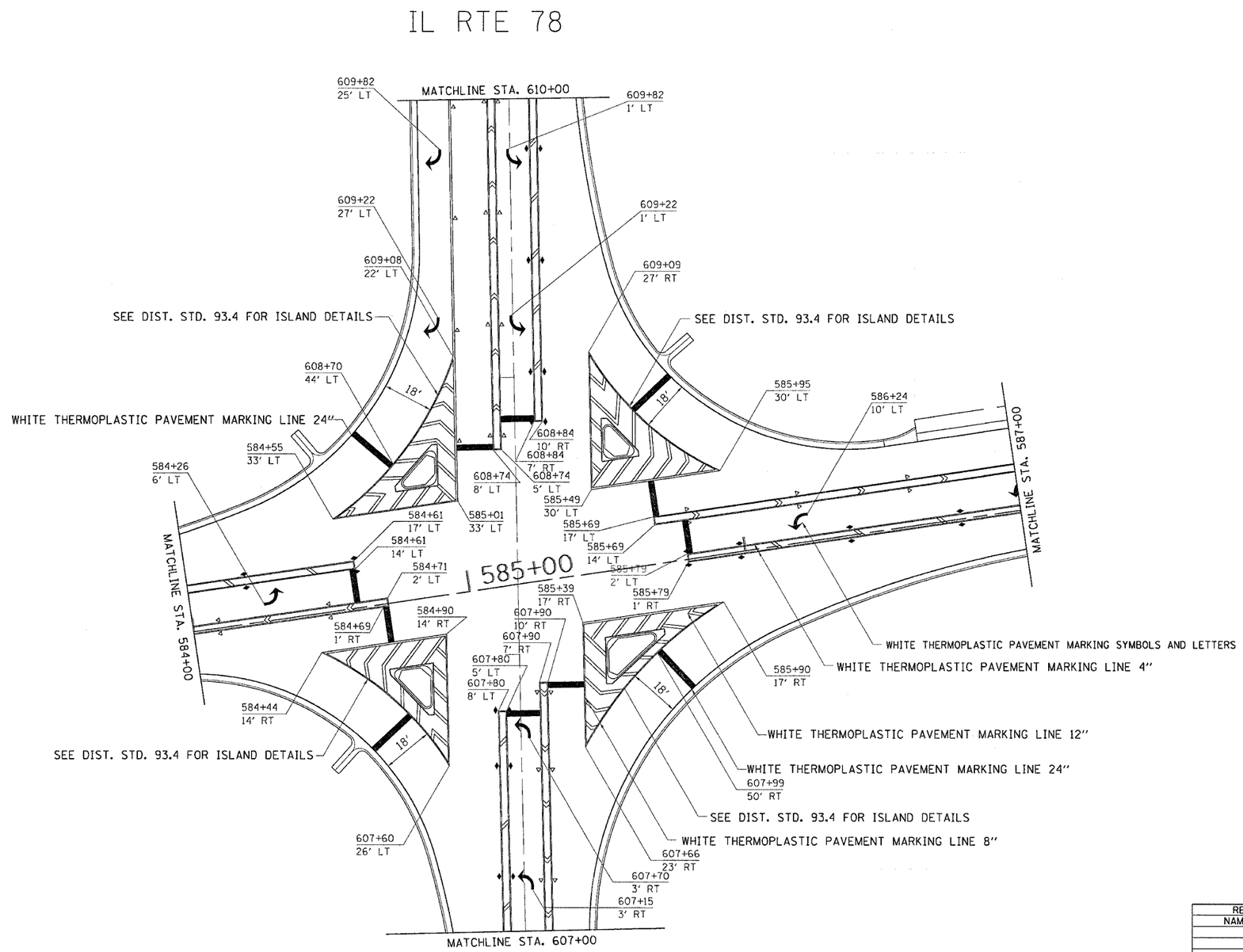
CONTRACT NO. 64560

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	CARROLL	548	144
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* ROUTE 17 (US 52 / IL 64)
** (1,2)RS & (3-1)RS-1

PAVEMENT MARKING DETAILS



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

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SCALE: VERT. HORIZ.
DATE
DRAWN BY
CHECKED BY

PLOT DATE = Fri Mar 23 06:27:56 2007
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USER NAME = hansonke

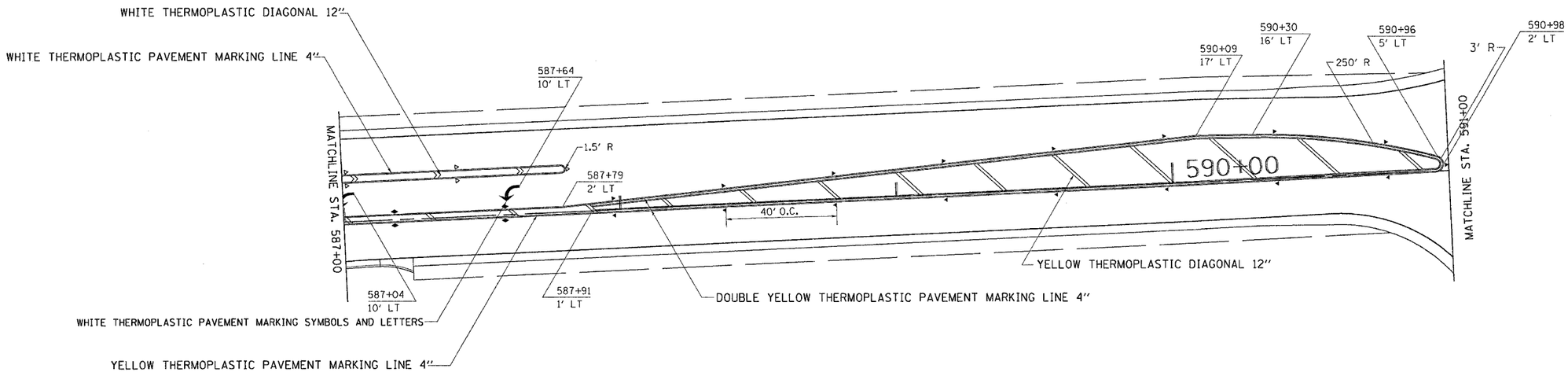
PAVEMENT MARKINGS

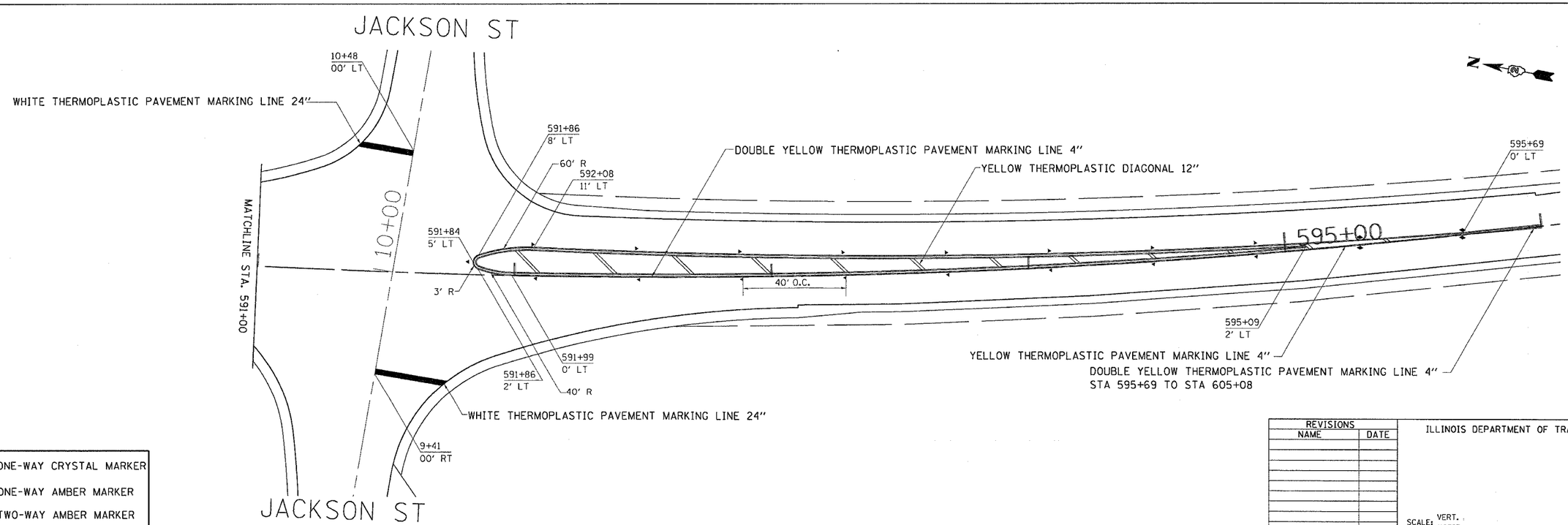
CONTRACT NO. 64560

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	CARROLL	548	145
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* ROUTE 17 (US 52 / IL 64)
** (1,2)RS & (3-1)RS-1

PAVEMENT MARKING DETAILS





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

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SCALE: VERT. HORIZ.
DATE
DRAWN BY
CHECKED BY

PAVEMENT MARKINGS

PLOT DATE = Fri Mar 23 08:27:56 2007
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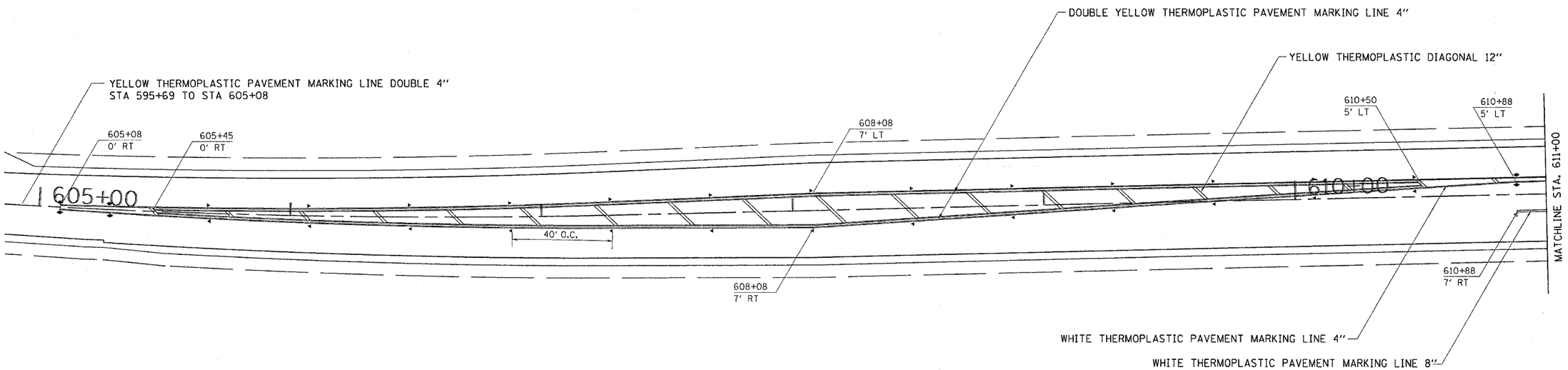
USER NAME = hernsorke

CONTRACT NO. 64560

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	CARROLL	548	146
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* ROUTE 17 (US 52 / IL 64)
** (1,2)RS & (3-1)RS-1

PAVEMENT MARKING DETAILS



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

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SCALE: VERT. HORIZ.
DATE
DRAWN BY
CHECKED BY

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USER NAME = hansonke

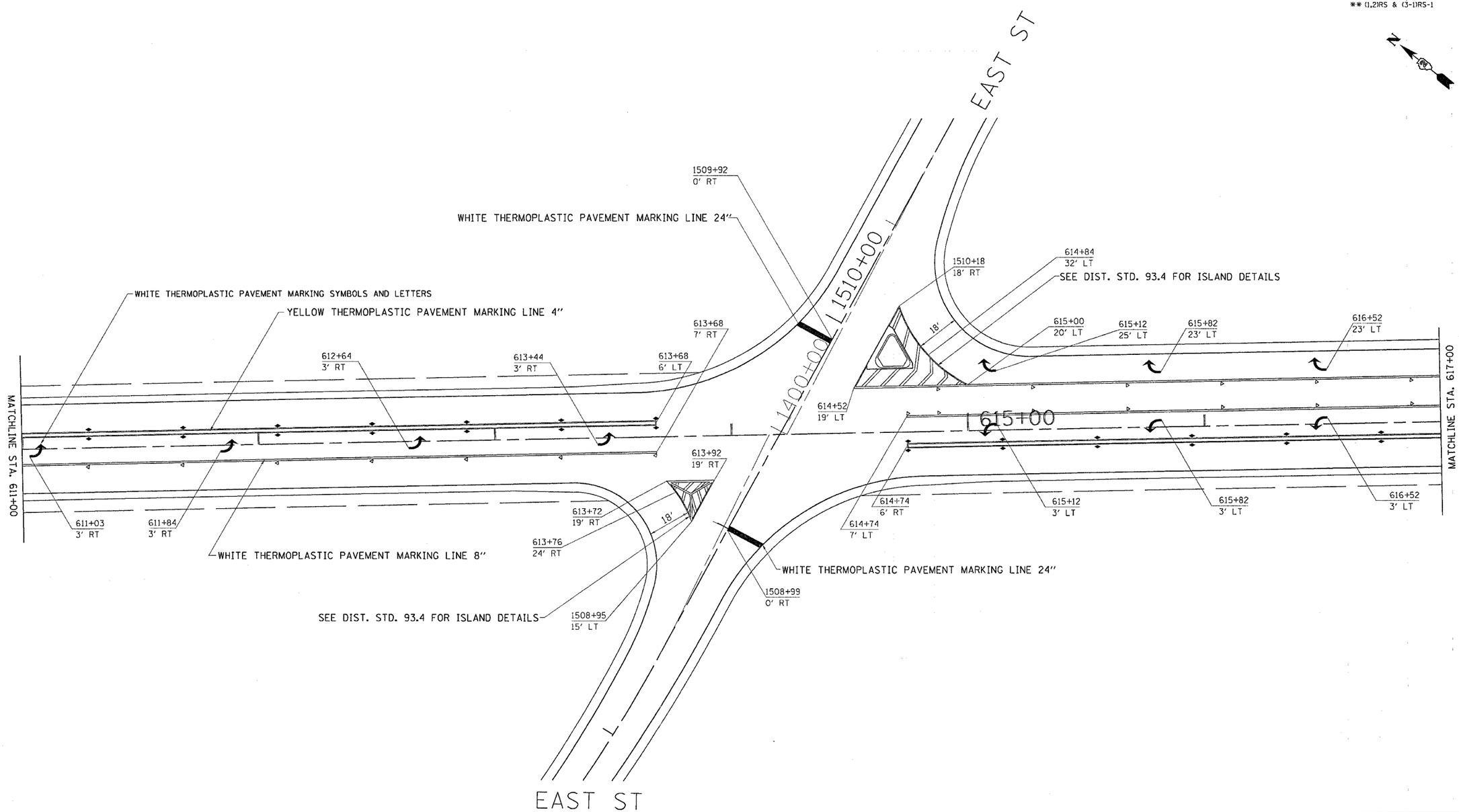
PAVEMENT MARKINGS

CONTRACT NO. 64560

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	CARROLL	548	147
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* ROUTE 17 (US 52 / IL 64)
** (1,2)RS & (3-1)RS-1

PAVEMENT MARKING DETAILS



◁ ONE-WAY CRYSTAL MARKER

◀ ONE-WAY AMBER MARKER

◆ TWO-WAY AMBER MARKER

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SCALE: VERT. HORIZ.

DATE

DRAWN BY

CHECKED BY

PAVEMENT MARKINGS

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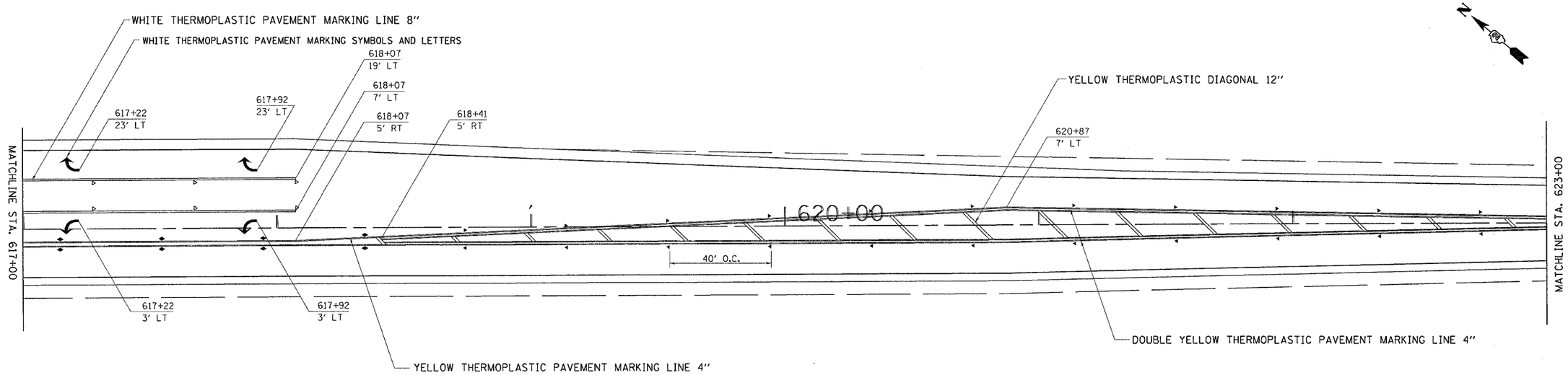
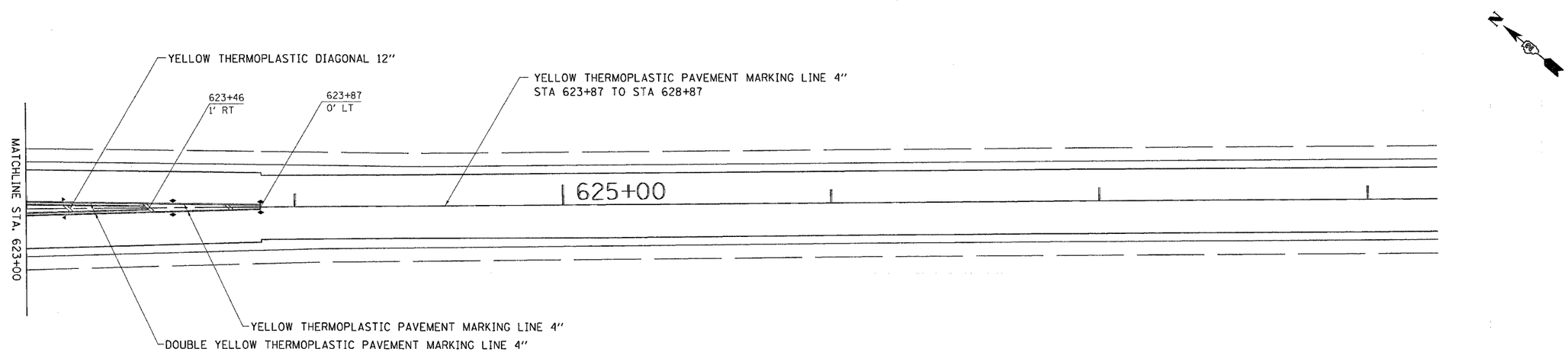
CONTRACT NO. 64560

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	CARROLL	548	148
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* ROUTE 17 (US 52 / IL 64)
** (1,2)RS & (3-1)RS-1

PAVEMENT MARKING DETAILS





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

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SCALE: VERT. HORIZ.
DATE
DRAWN BY
CHECKED BY

PAVEMENT MARKINGS

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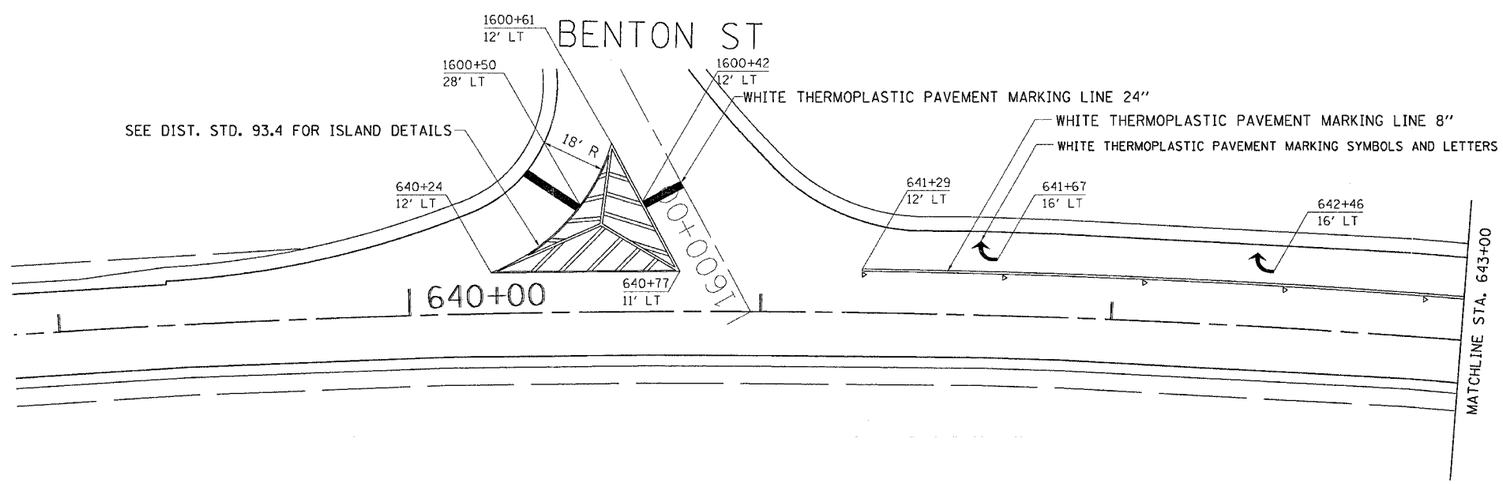
USER NAME = hensonke

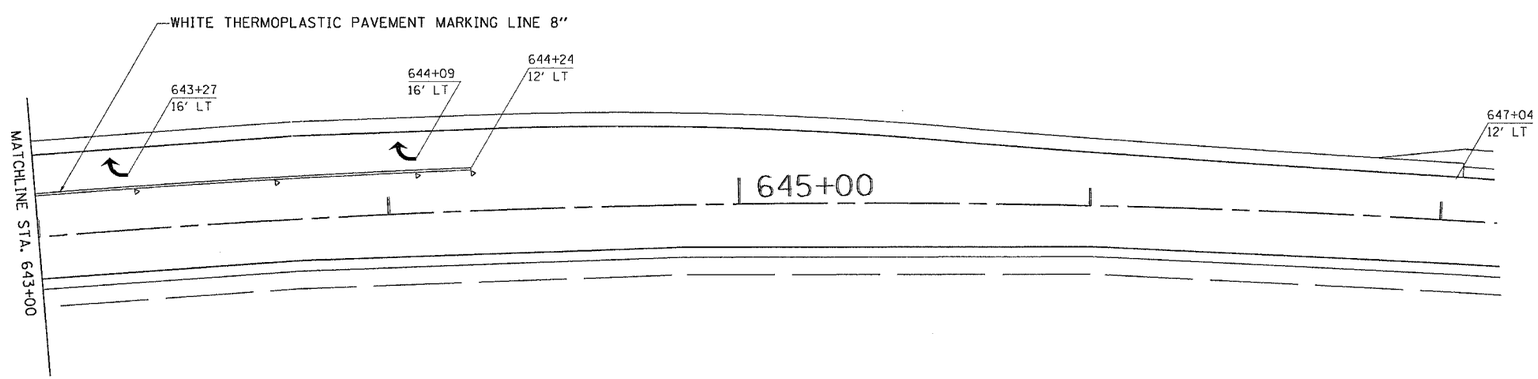
CONTRACT NO. 64560

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	CARROLL	548	149
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* ROUTE 17 (US 52 / IL 64)
** (1,2)RS & (3-1)RS-1

PAVEMENT MARKING DETAILS





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

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SCALE: VERT. HORIZ.
DATE
DRAWN BY
CHECKED BY

PAVEMENT MARKINGS

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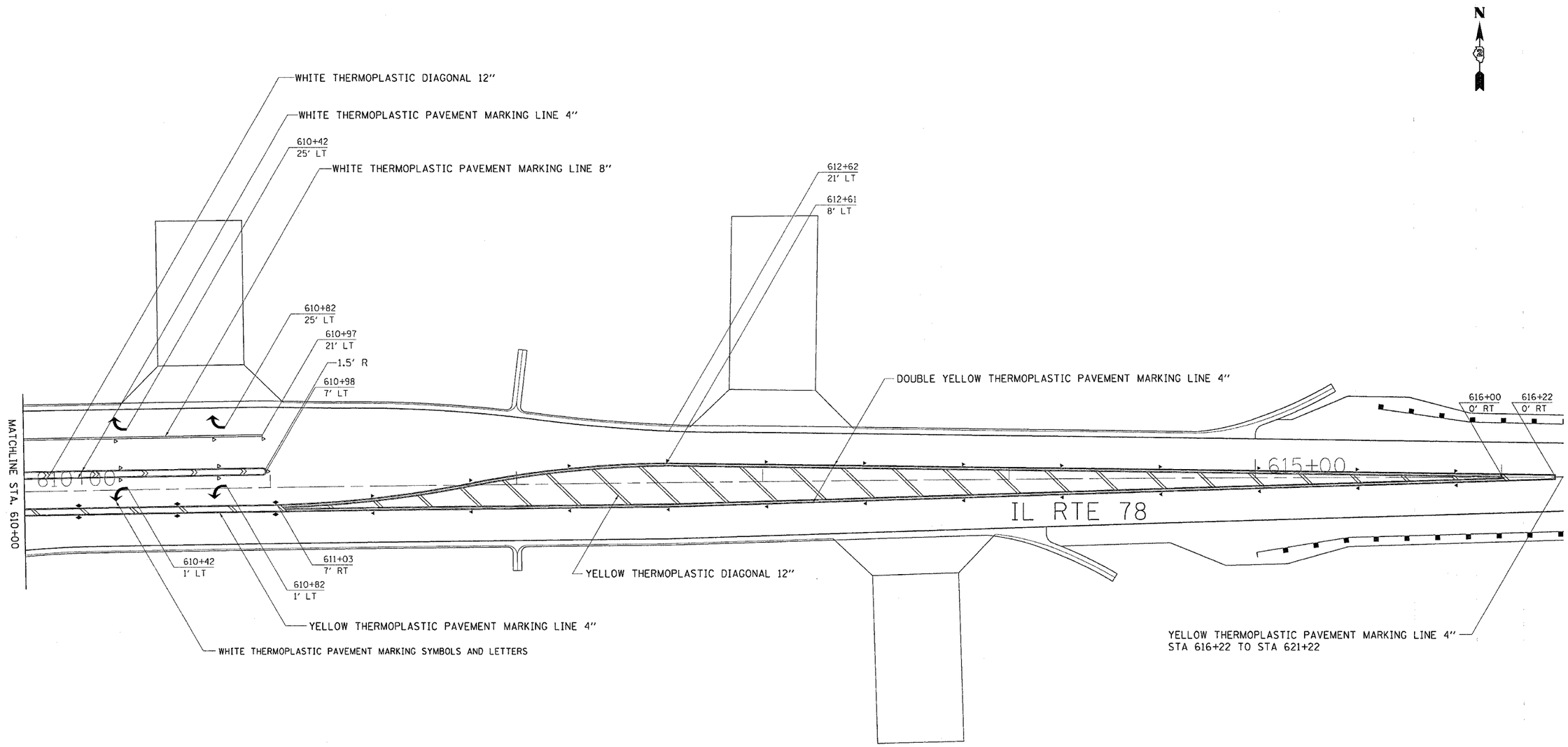
USER NAME = hensonke

CONTRACT NO. 64560

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	CARROLL	548	150
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* ROUTE 17 (US 52 / IL 64)
** (1,2)RS & (3-1)RS-1

PAVEMENT MARKING DETAILS



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

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USER NAME = hensonke

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SCALE: VERT. HORIZ.
DATE
DRAWN BY
CHECKED BY

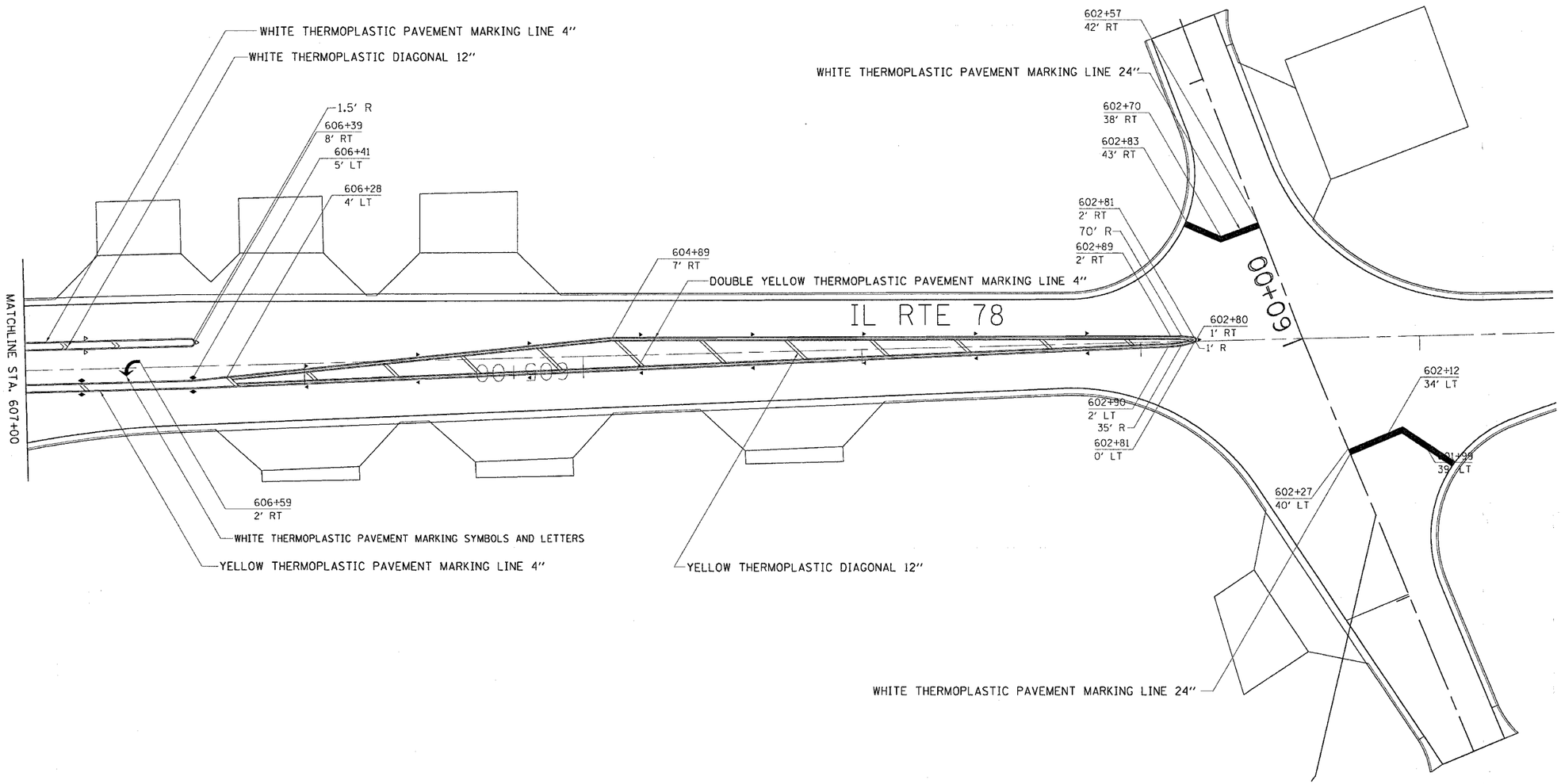
PAVEMENT MARKINGS

CONTRACT NO. 64560

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	CARROLL	548	151
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* ROUTE 17 (US 52 / IL 64)
** (1,2)RS & (3-1)RS-1

PAVEMENT MARKING DETAILS



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

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SCALE: VERT. HORIZ.

DATE

DRAWN BY

CHECKED BY

PAVEMENT MARKINGS

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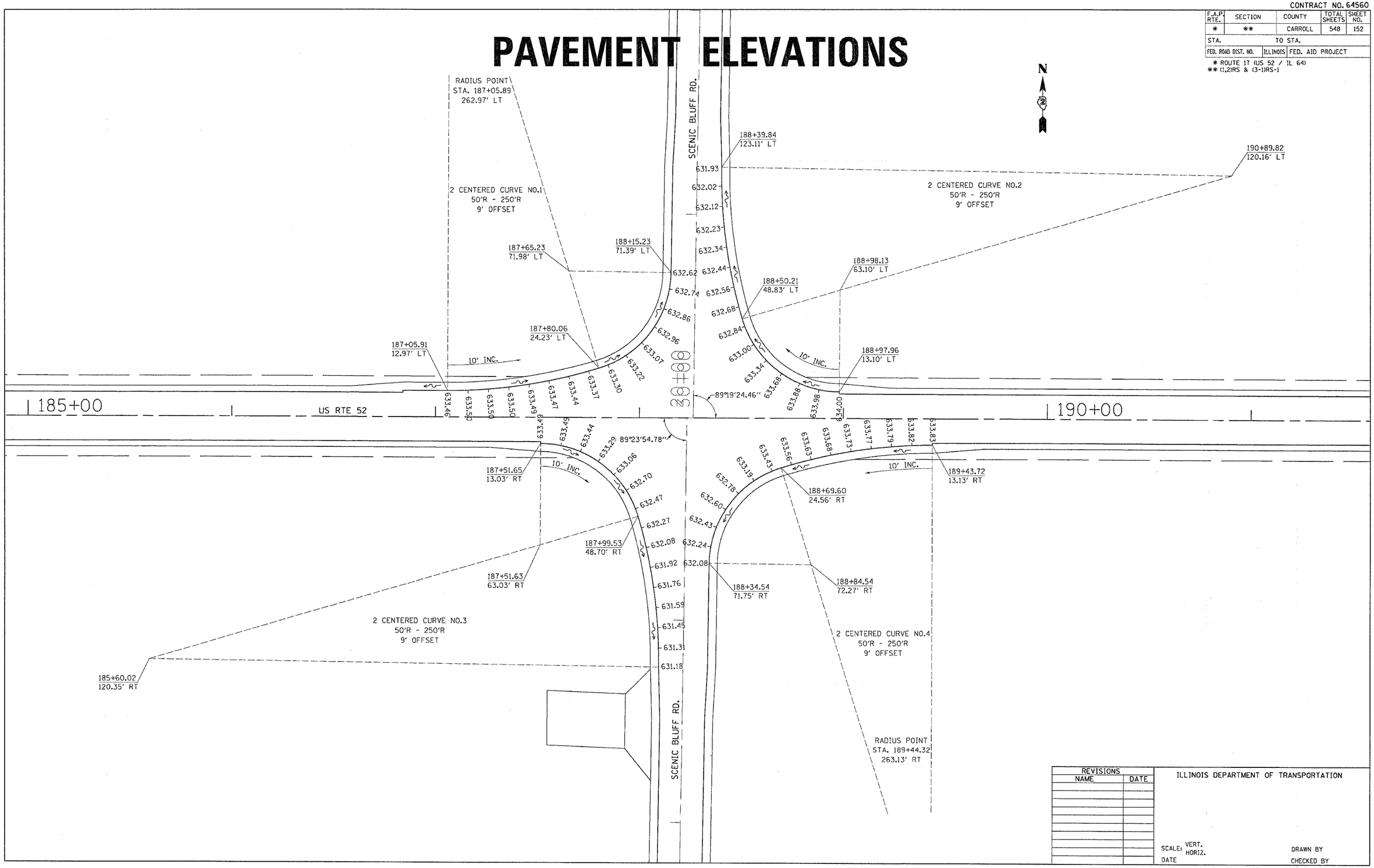
USER NAME = hanscrke

CONTRACT NO. 64560

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	CARROLL	548	152
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* ROUTE 17 (US 52 / IL 64)
** (1,2)RS & (3-1)RS-1

PAVEMENT ELEVATIONS



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SCALE: VERT. HORIZ.

DATE

DRAWN BY

CHECKED BY

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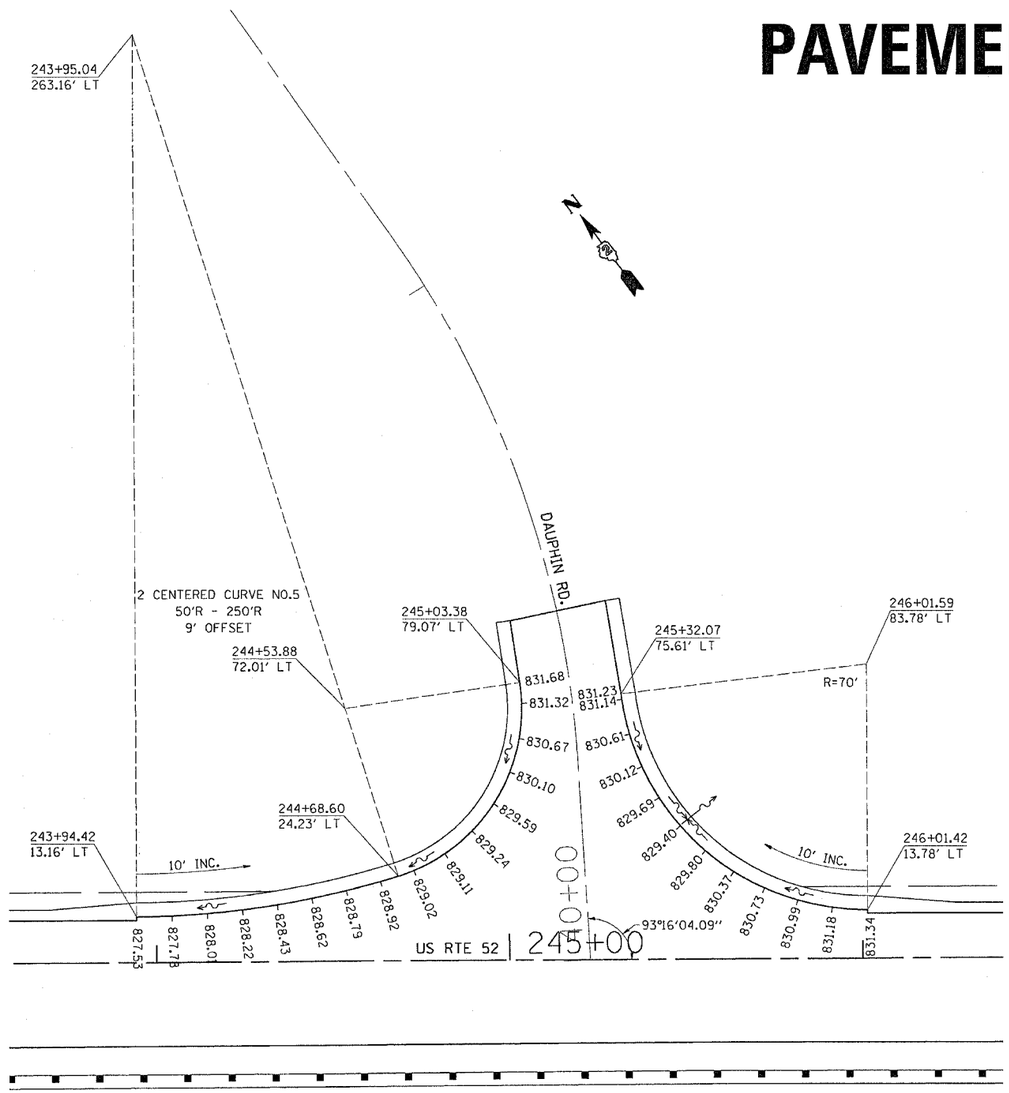
PAVEMENT ELEVATIONS

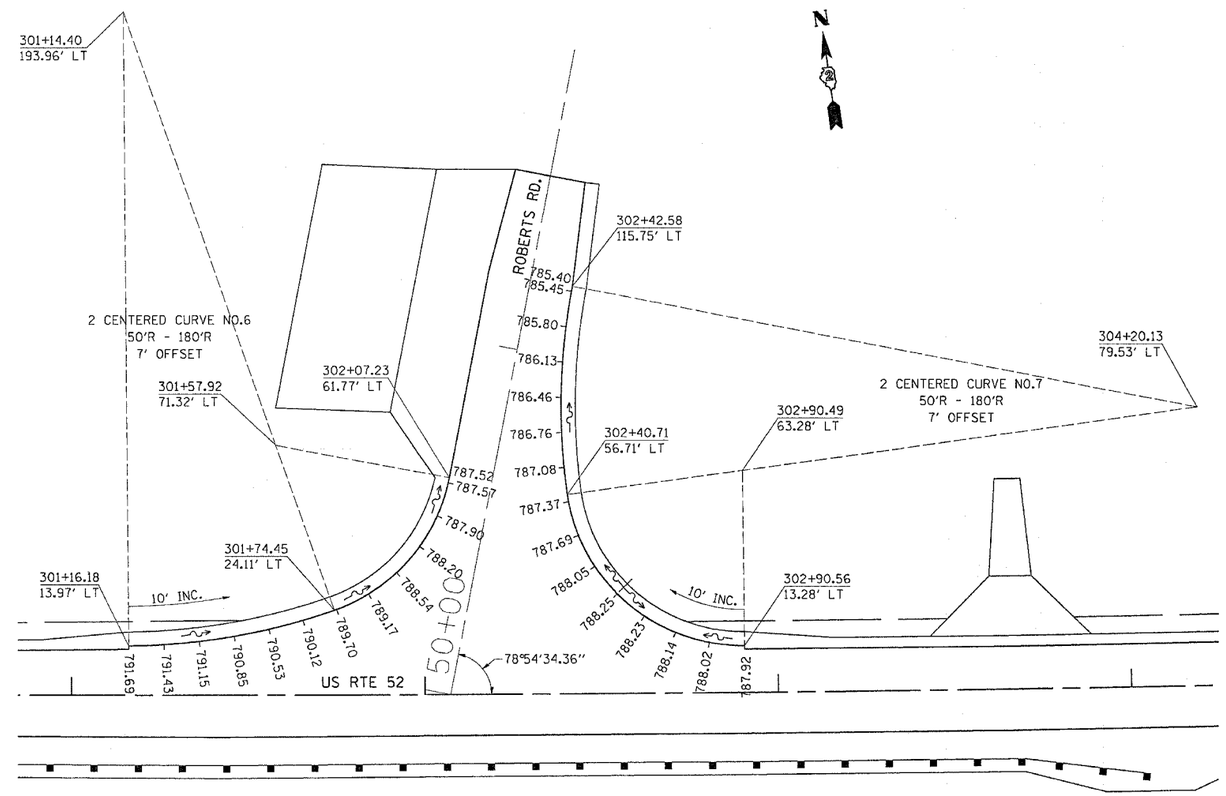
CONTRACT NO. 64560

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	CARROLL	548	153
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* ROUTE 17 (US 52 / IL 64)
** (1,2)RS & (3-1)RS-1

PAVEMENT ELEVATIONS





REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SCALE: VERT.
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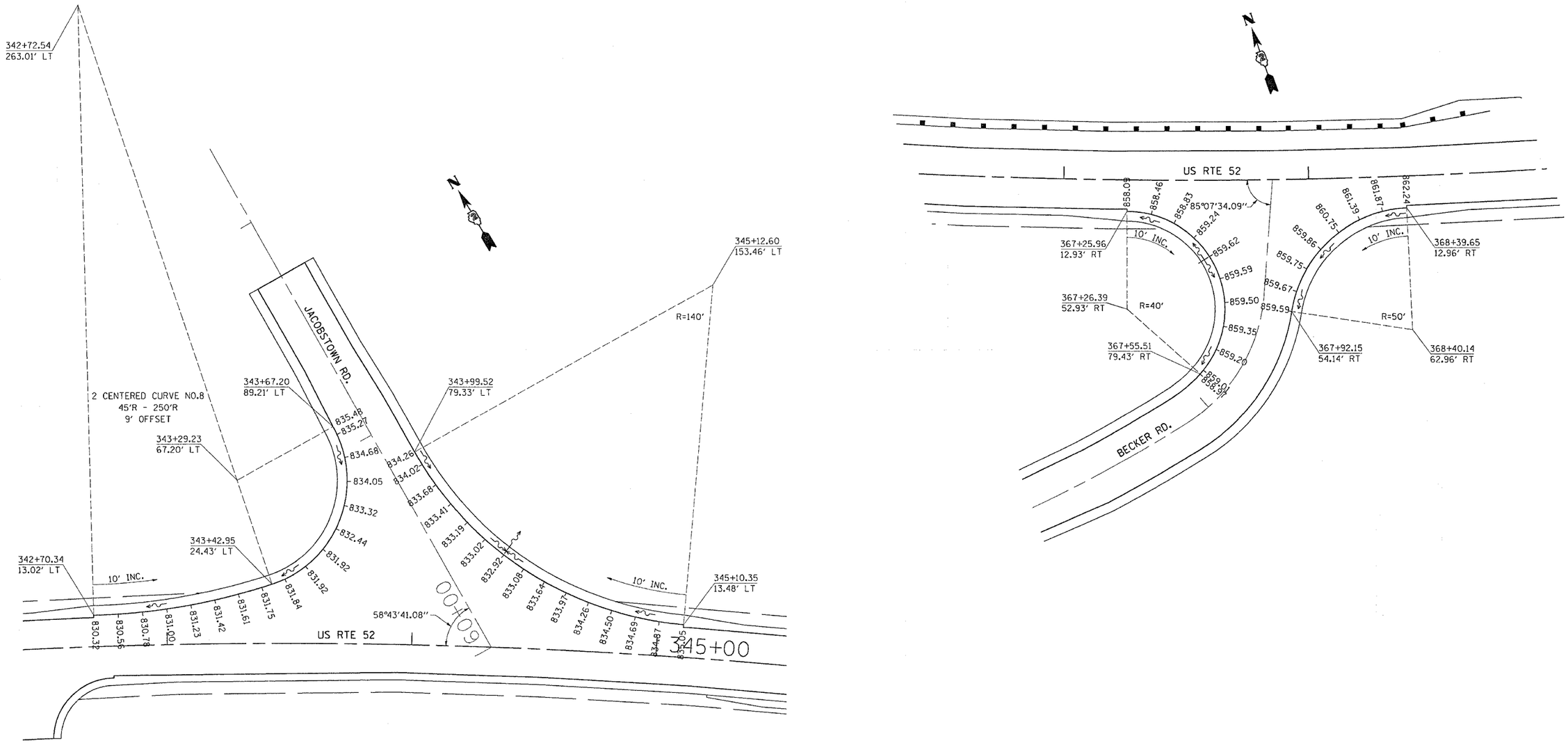
PAVEMENT ELEVATIONS

CONTRACT NO. 64560

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	CARROLL	548	154
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* ROUTE 17 (US 52 / IL 64)
** (1,2)RS & (3-1)RS-1

PAVEMENT ELEVATIONS



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NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

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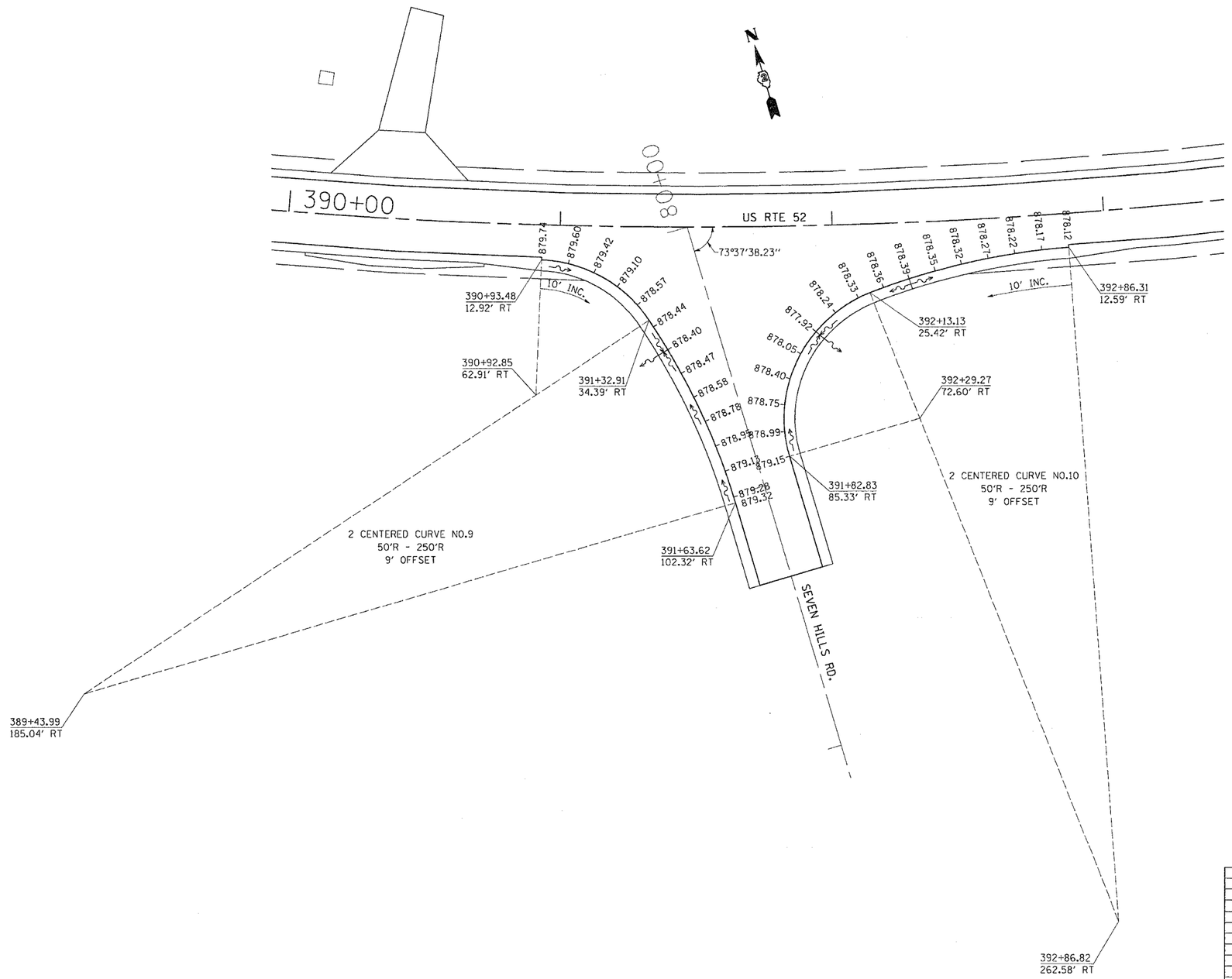
PAVEMENT ELEVATIONS

CONTRACT NO. 64560

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	CARROLL	548	155
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* ROUTE 17 (US 52 / IL 64)
** (1,2)RS & (3-1)RS-1

PAVEMENT ELEVATIONS



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

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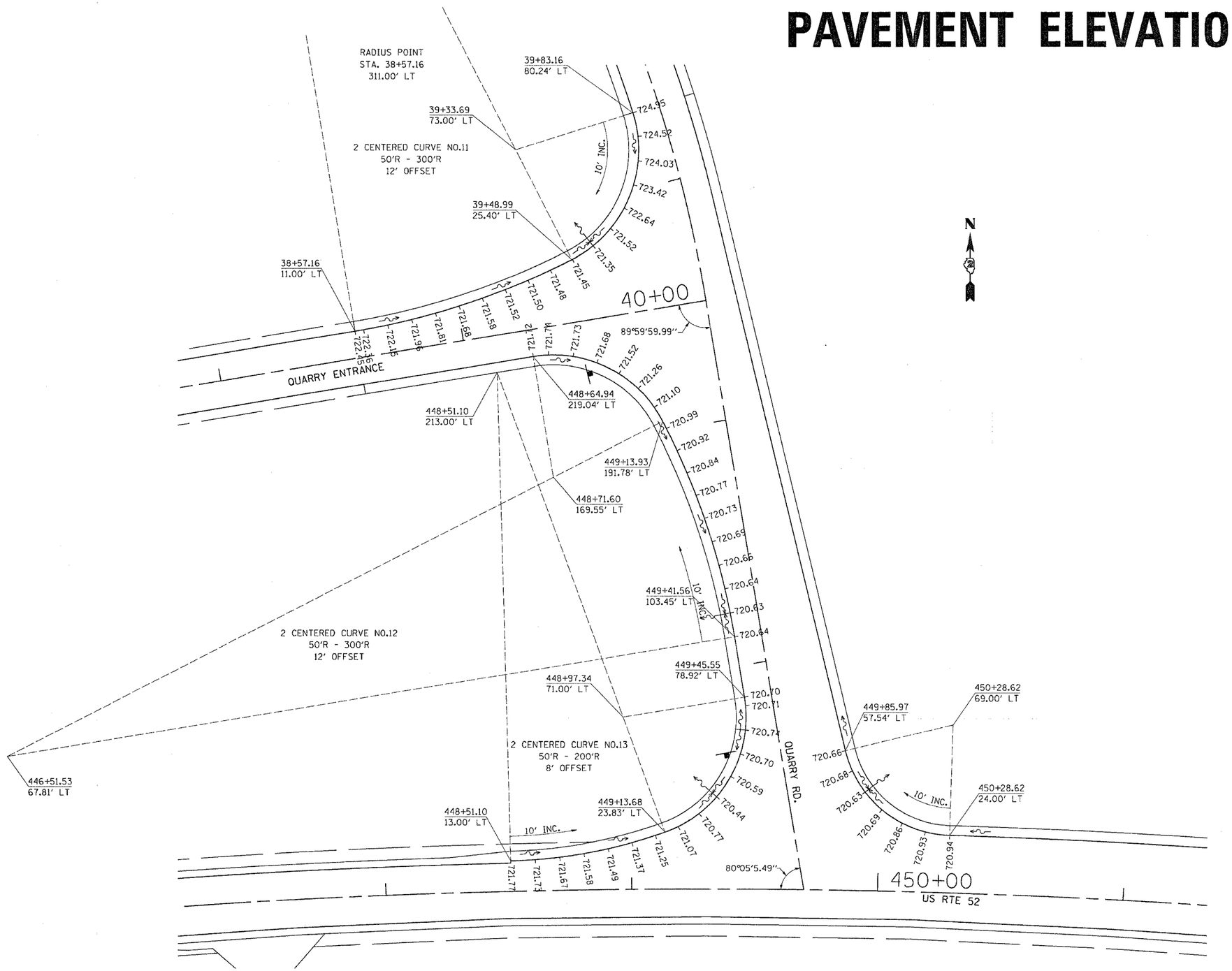
PAVEMENT ELEVATIONS

CONTRACT NO. 64560

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	CARROLL	548	156
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* ROUTE 17 (US 52 / IL 64)
** (1,2)RS & (3-1)RS-1

PAVEMENT ELEVATIONS



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

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PAVEMENT ELEVATIONS

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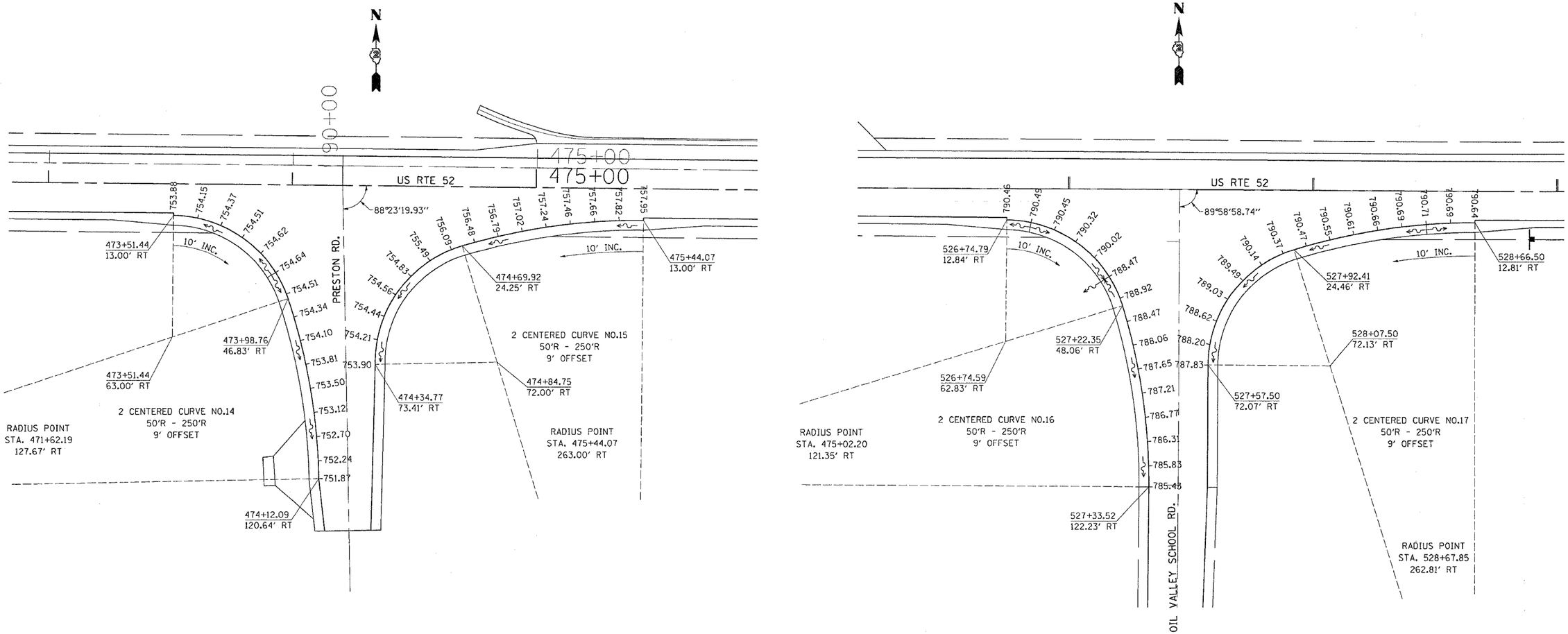
CONTRACT NO. 64560

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	CARROLL	548	157
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* ROUTE 17 (US 52 / IL 64)
** (1,2)RS & (3-1)RS-1

PAVEMENT ELEVATIONS



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SCALE: VERT. HORIZ.

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PAVEMENT ELEVATIONS

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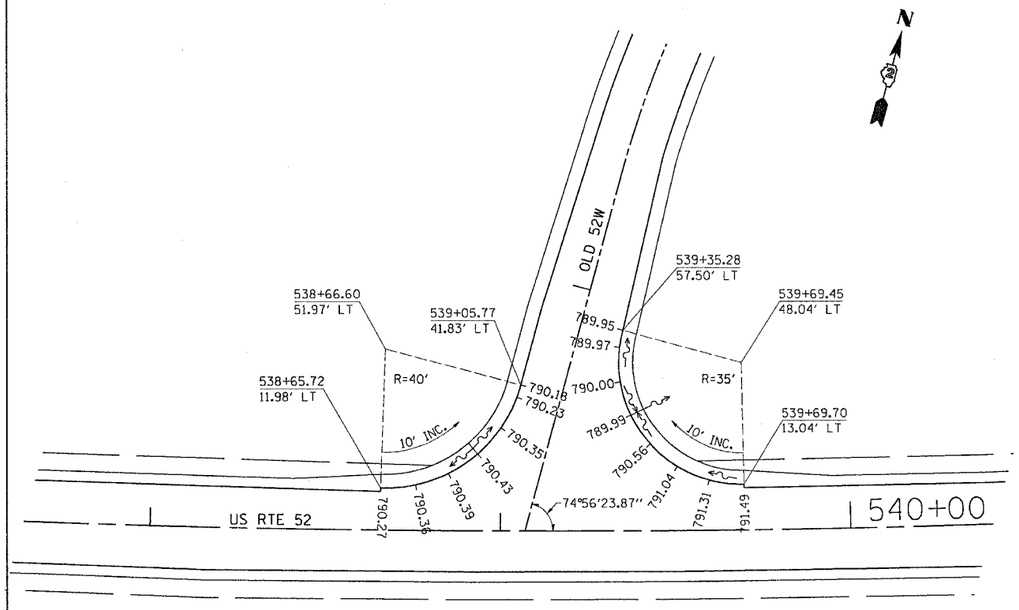
CONTRACT NO. 64560

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	CARROLL	548	158
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* ROUTE 17 (US 52 / IL 64)
** (1,2)RS & (3-1)RS-1

PAVEMENT ELEVATIONS



REVISIONS	
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ILLINOIS DEPARTMENT OF TRANSPORTATION

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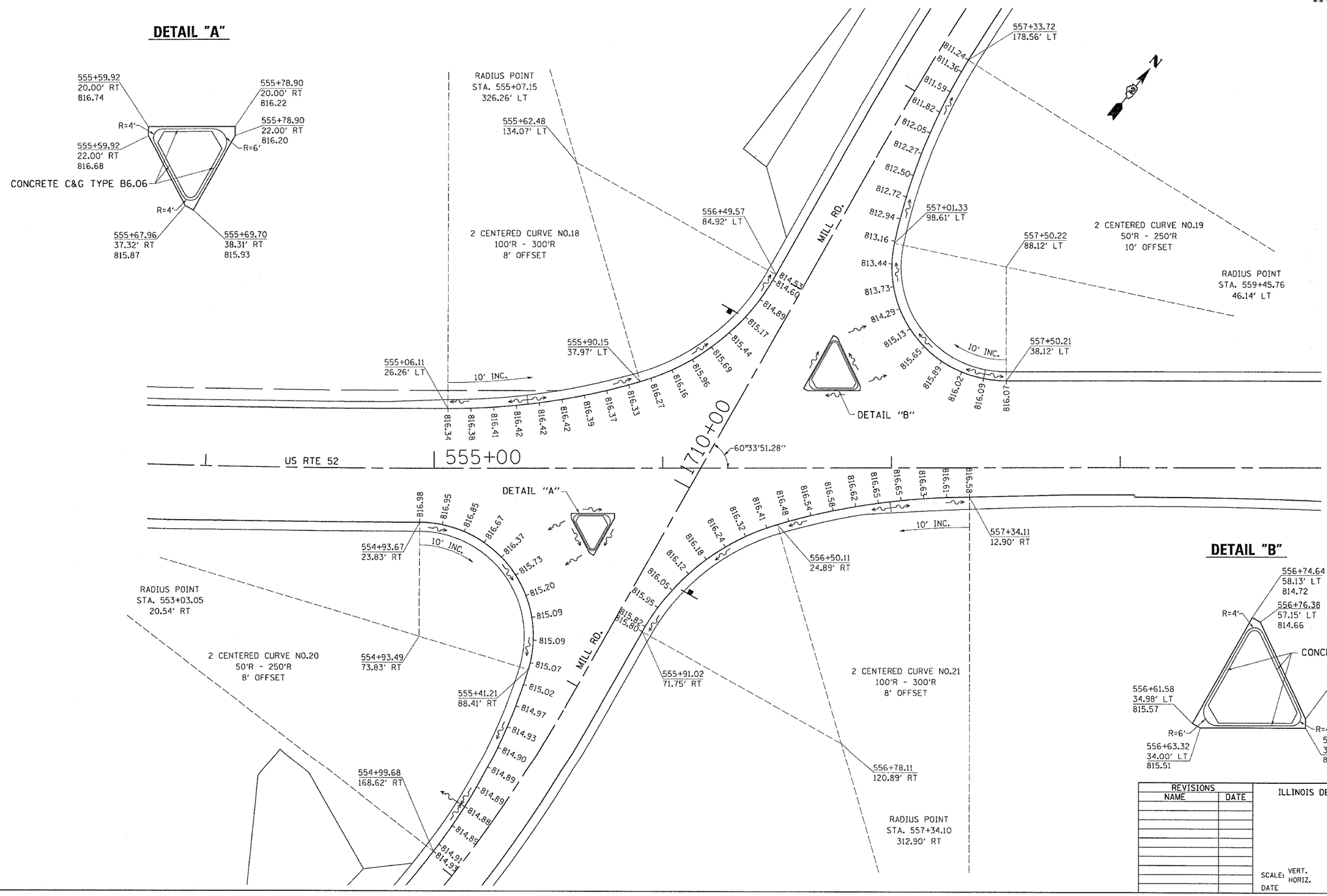
PAVEMENT ELEVATIONS

CONTRACT NO. 64560

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	CARROLL	548	159
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* ROUTE 17 (US 52 / IL 64)
** (1,2)RS & (3-1)RS-1

PAVEMENT ELEVATIONS



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ILLINOIS DEPARTMENT OF TRANSPORTATION

SCALE: VERT. HORIZ.

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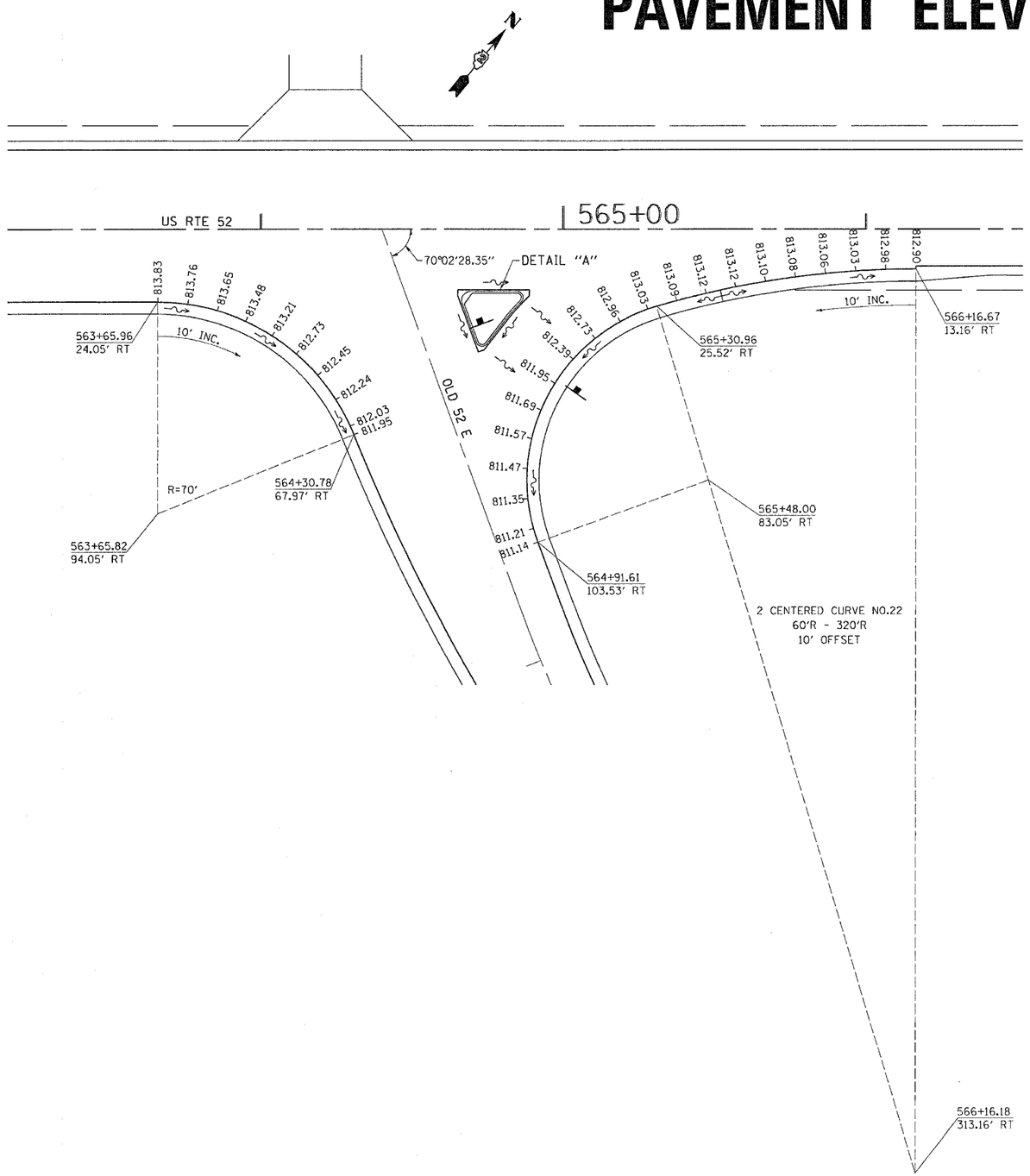
PAVEMENT ELEVATIONS

CONTRACT NO. 64560

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	CARROLL	548	160
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* ROUTE 17 (US 52 / IL 64)
** (1,2)RS & (3-1)RS-1

PAVEMENT ELEVATIONS



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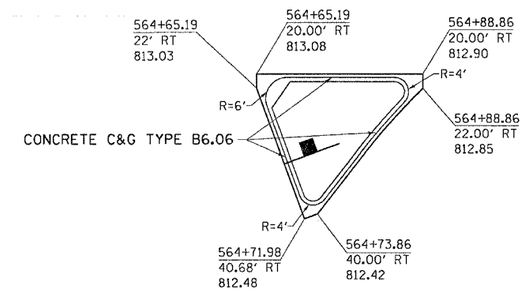

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ILLINOIS DEPARTMENT OF TRANSPORTATION

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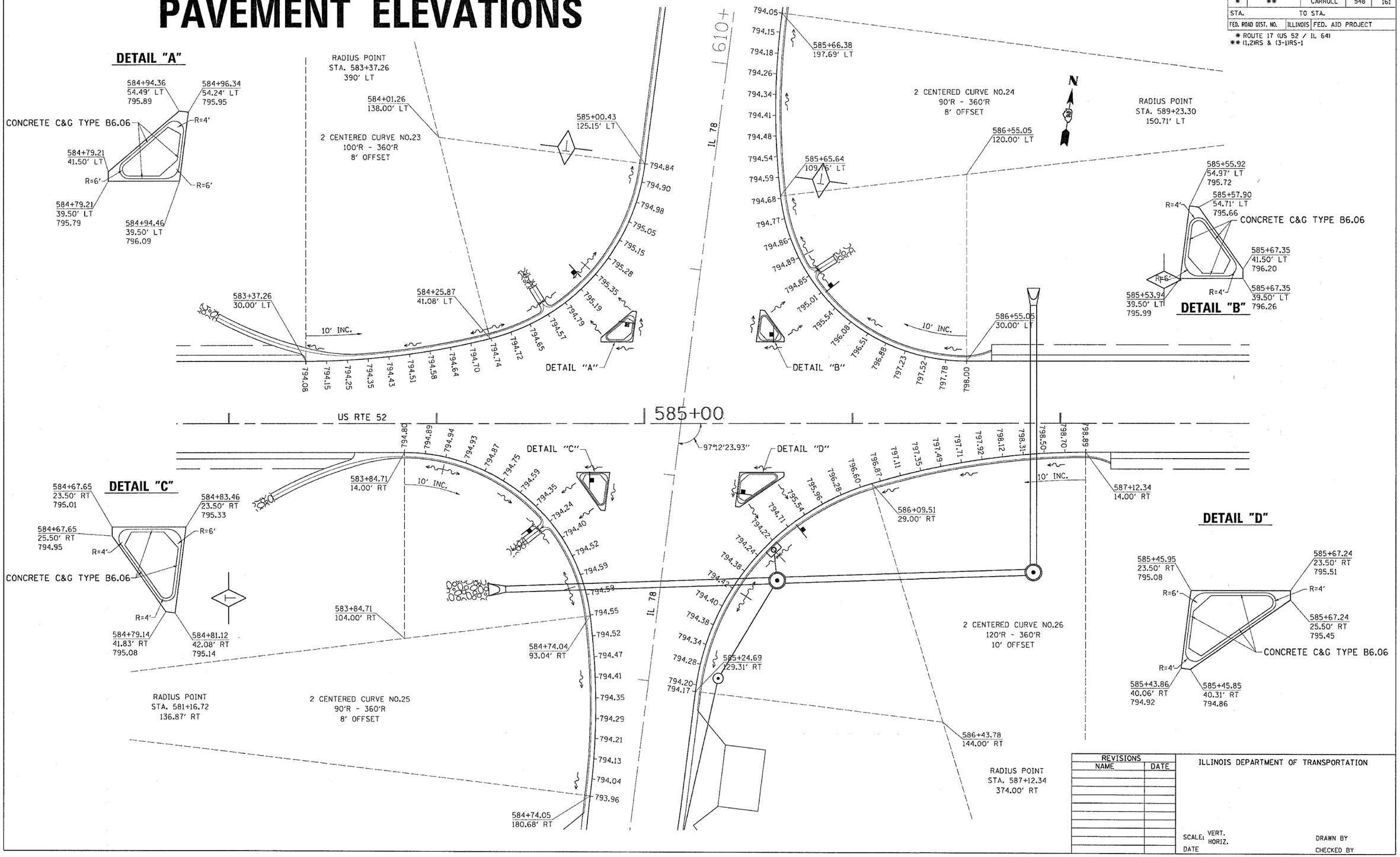
PAVEMENT ELEVATIONS

CONTRACT NO. 64560

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	CARROLL	548	161
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* ROUTE 17 (US 52 / IL 64)
** (1,2)RS & (3-1)RS-1

PAVEMENT ELEVATIONS



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

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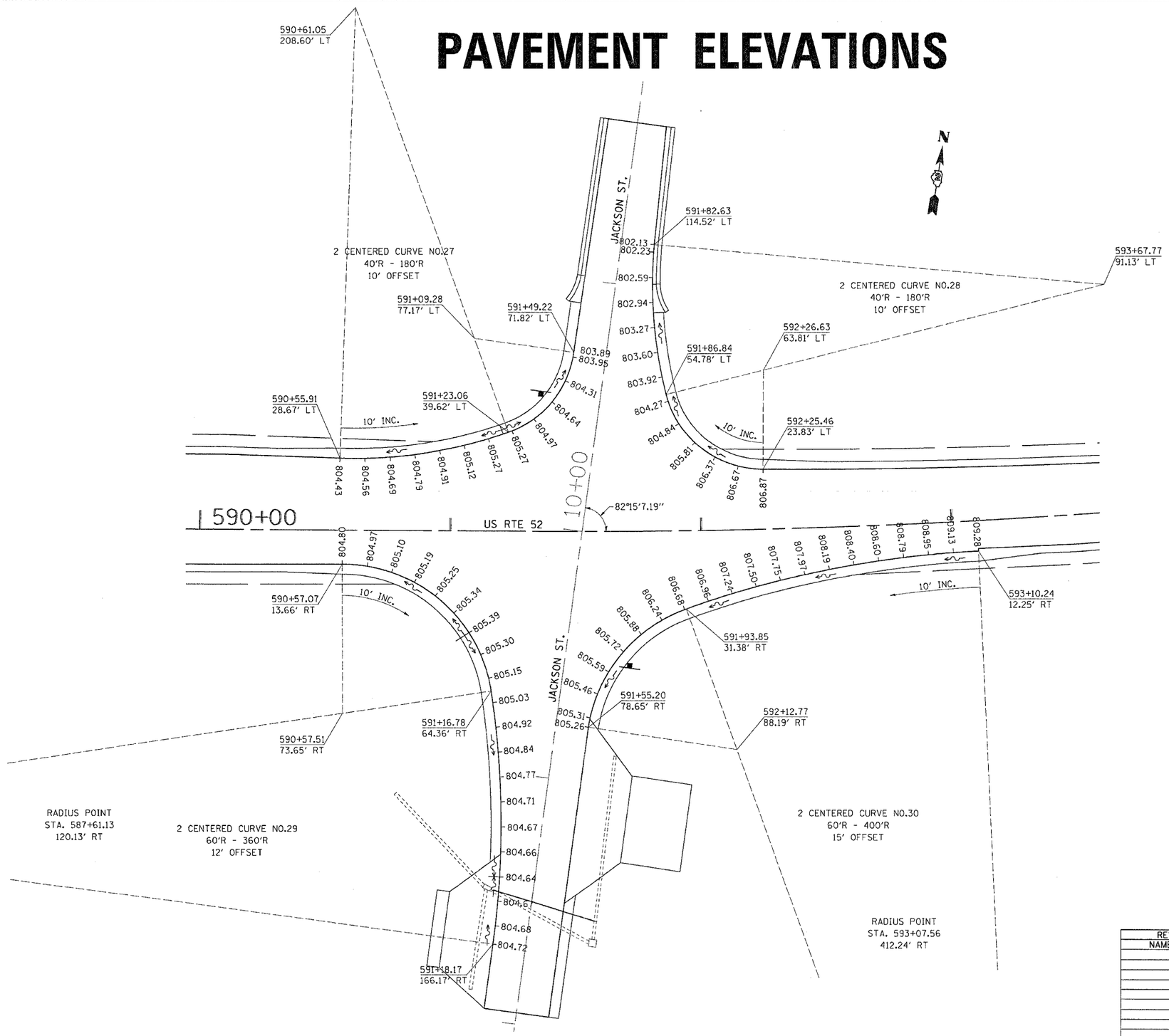
PAVEMENT ELEVATIONS

CONTRACT NO. 64560

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	CARROLL	548	162
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* ROUTE 17 (US 52 / IL 64)
** (1,2)RS & (3-1)RS-1

PAVEMENT ELEVATIONS



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SCALE: VERT. HORIZ.

DATE

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USER NAME = hansonke

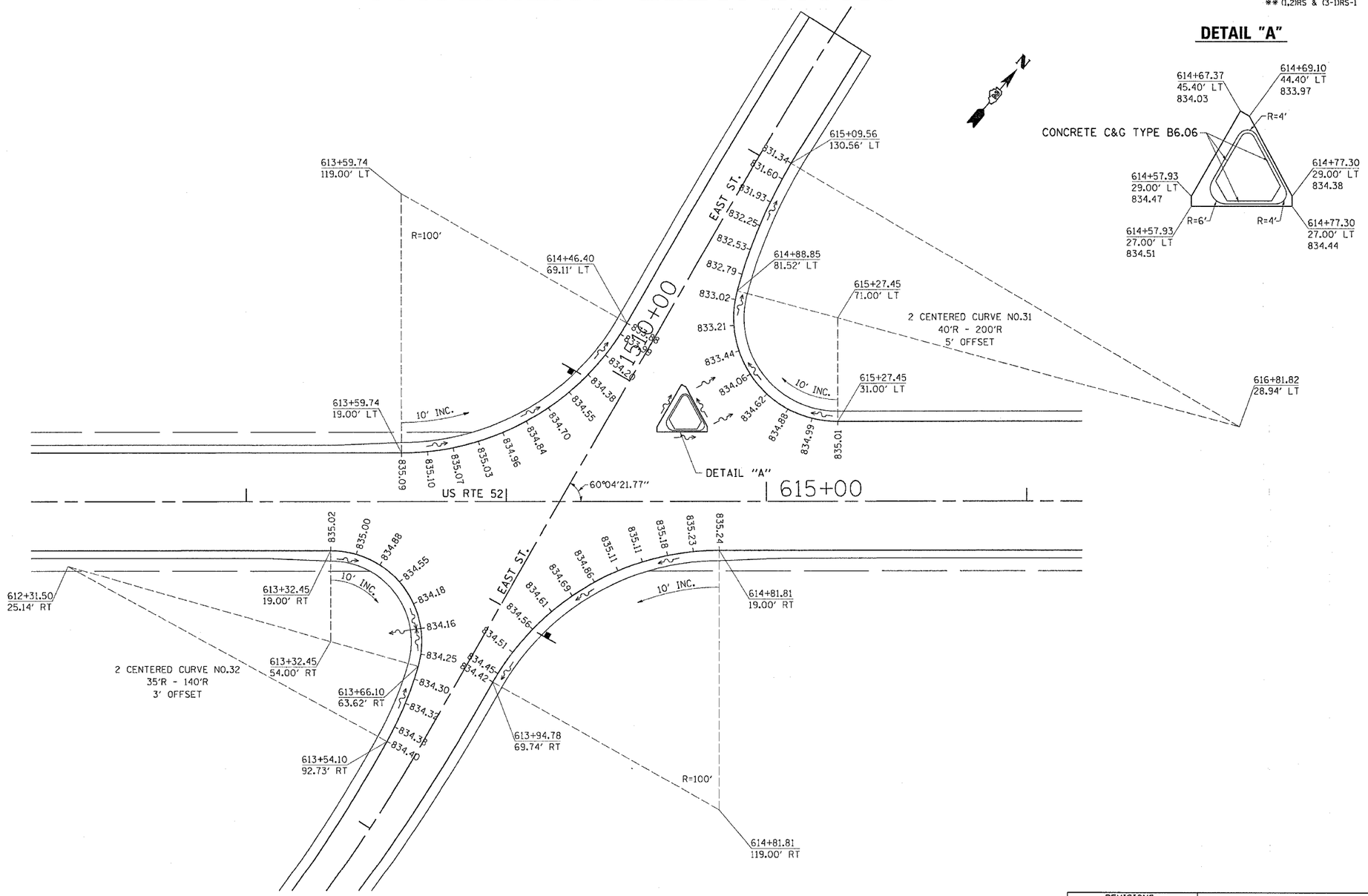
PAVEMENT ELEVATIONS

CONTRACT NO. 64560

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	CARROLL	548	163
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* ROUTE 17 (US 52 / IL 64)
** (1,2)RS & (3-1)RS-1

PAVEMENT ELEVATIONS



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SCALE: VERT. HORIZ.
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PAVEMENT ELEVATIONS

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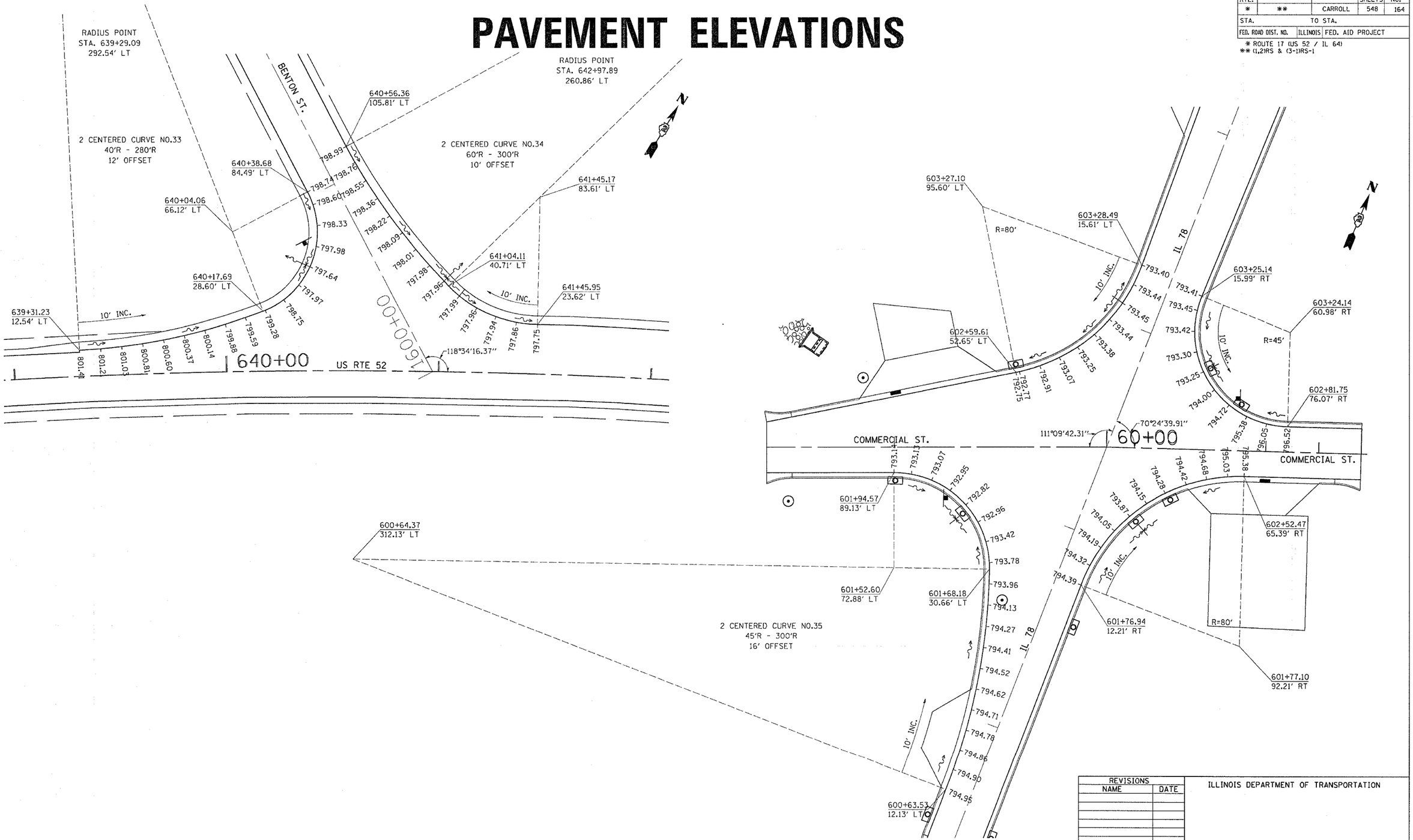
CONTRACT NO. 64560

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	CARROLL	548	164
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* ROUTE 17 (US 52 / IL 64)
** (1,2)RS & (3-1)RS-1

PAVEMENT ELEVATIONS



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SCALE: VERT. HORIZ.

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PAVEMENT ELEVATIONS

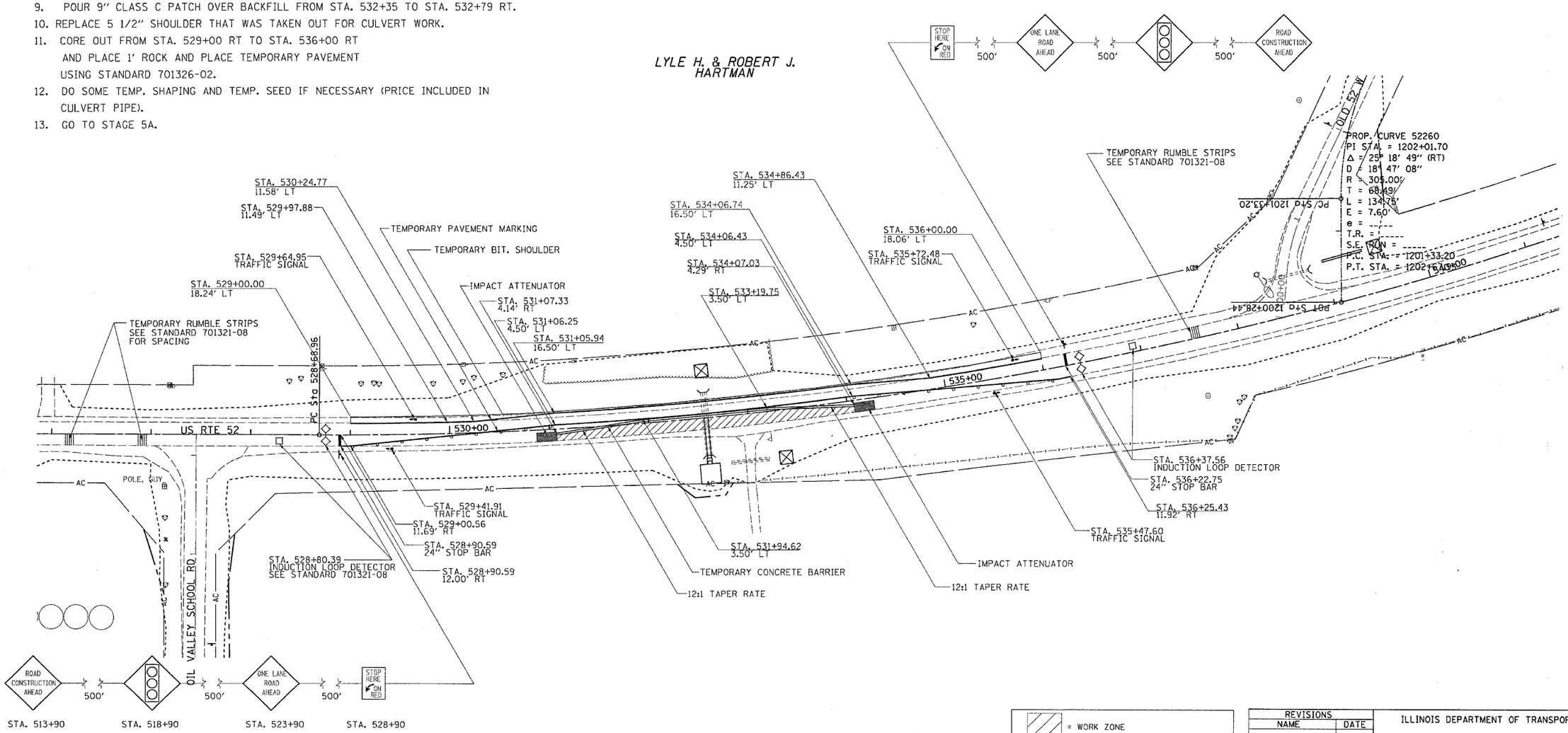
CONTRACT NO. 64560

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	CARROLL	548	165
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* ROUTE 17 (US 52 / IL 64)
** (1,2)RS & (3-1)RS-1

STAGING 5

1. CORE OUT FROM STA. 529+00 LT TO 536+00 LT AND PLACE 1' ROCK, PLACE TEMPORARY PAVEMENT, EXTEND CULVERTS (9' LT) USING CLASS D TYPE 1 24" TEMPORARY PIPE, PLACE 2 END SECTIONS 24", AND RESHAPE DITCH SO WATER FLOWS USING STANDARD 701326-02.
2. SET UP STANDARD 701321-08.
3. REMOVE ANY PAVEMENT MARKING THAT CONFLICTS WITH STAGING..
4. REMOVE PAVEMENT FROM STA. 532+35 TO 532+79 RT.
5. REMOVE EXISTING CMP AND HEAD WALL TO CENTER LINE.
6. PLACE DOUBLE BOX CULVERT TO CENTER LINE.
7. PLACE BOX CULVERT END SECTION, CULVERT NO. 3.
8. PLACE BACKFILL AND COMP.
9. POUR 9" CLASS C PATCH OVER BACKFILL FROM STA. 532+35 TO STA. 532+79 RT.
10. REPLACE 5 1/2" SHOULDER THAT WAS TAKEN OUT FOR CULVERT WORK.
11. CORE OUT FROM STA. 529+00 RT TO STA. 536+00 RT AND PLACE 1' ROCK AND PLACE TEMPORARY PAVEMENT USING STANDARD 701326-02.
12. DO SOME TEMP. SHAPING AND TEMP. SEED IF NECESSARY (PRICE INCLUDED IN CULVERT PIPE).
13. GO TO STAGE 5A.



NOTE:

THIS TRAFFIC CONTROL AND PROTECTION SHALL BE SET UP AND PAID FOR ACCORDING TO STANDARD 701321-08

= WORK ZONE
= TRAFFIC SIGNAL
= INDUCTION LOOP DETECTOR
= IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

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STAGING DETAILS

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• (1,2)RS & (3-1)RS-1

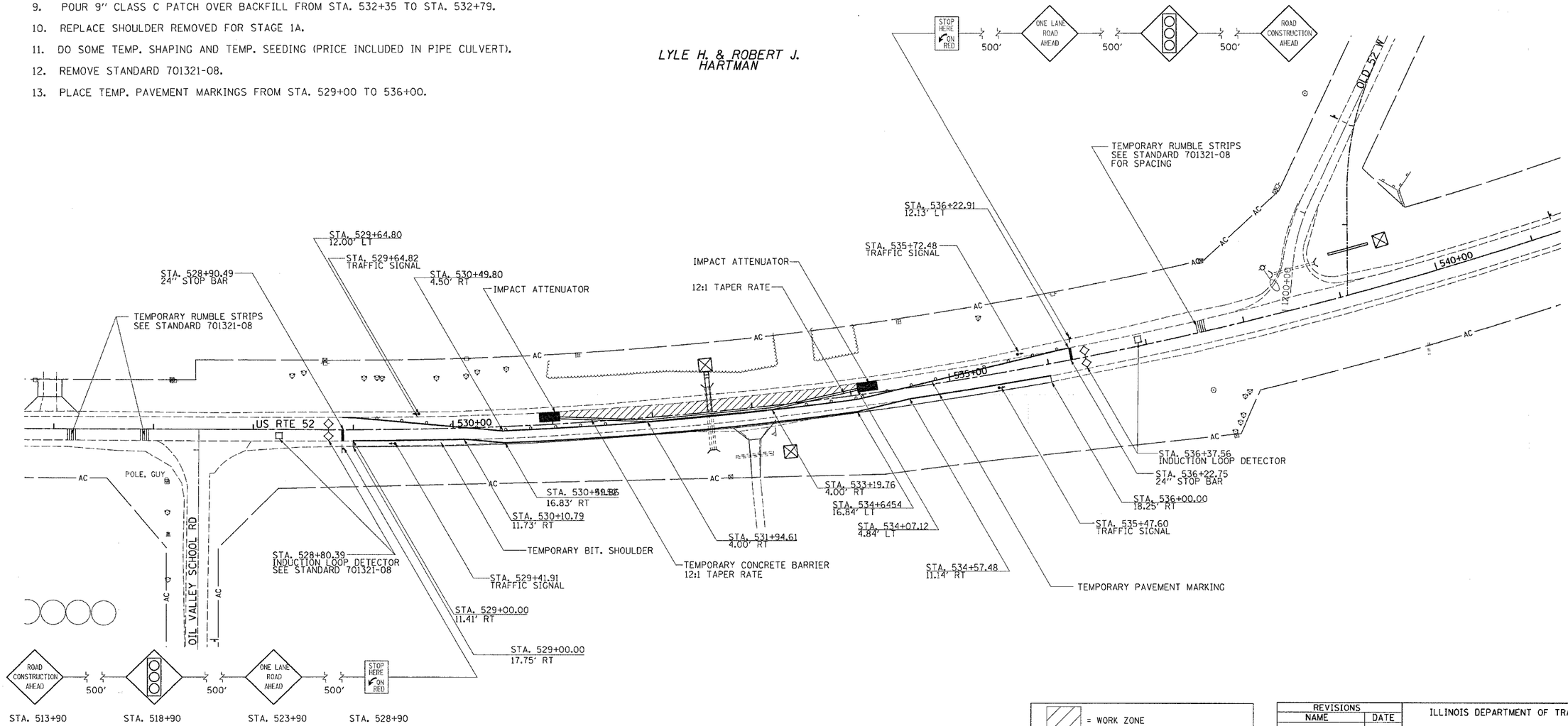
CONTRACT NO. 64560

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17*	**	CARROLL	548	166
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* ROUTE 17 (US 52 / IL 64)
** (1,2)RS & (3-1)RS-1

STAGING 5A

1. RELOCATE BARRIER WALL USING STANDARD 701201-02.
2. SET UP STANDARD 701321-08.
3. REMOVE ANY PAVEMENT MARKING THAT CONFLICTS WITH STAGING.
4. REMOVE PAVEMENT FROM STA. 532+35 TO 532+79.
5. REMOVE EXISTING CMP AND HEADWALL FROM CENTER LINE TO END.
6. PLACE DOUBLE BOX CULVERT FROM CENTER LINE TO END.
7. PLACE BOX CULVERT END SECTION, CULVERT NO. 3 (2)
8. PLACE BACKFILL AND COMP.
9. POUR 9" CLASS C PATCH OVER BACKFILL FROM STA. 532+35 TO STA. 532+79.
10. REPLACE SHOULDER REMOVED FOR STAGE 1A.
11. DO SOME TEMP. SHAPING AND TEMP. SEEDING (PRICE INCLUDED IN PIPE CULVERT).
12. REMOVE STANDARD 701321-08.
13. PLACE TEMP. PAVEMENT MARKINGS FROM STA. 529+00 TO 536+00.



NOTE:

THIS TRAFFIC CONTROL AND PROTECTION SHALL BE SET UP AND PAID FOR ACCORDING TO STANDARD 701321-08

= WORK ZONE

= TRAFFIC SIGNAL

= INDUCTION LOOP DETECTOR

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

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

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USER NAME = hernsonke

STAGING DETAILS

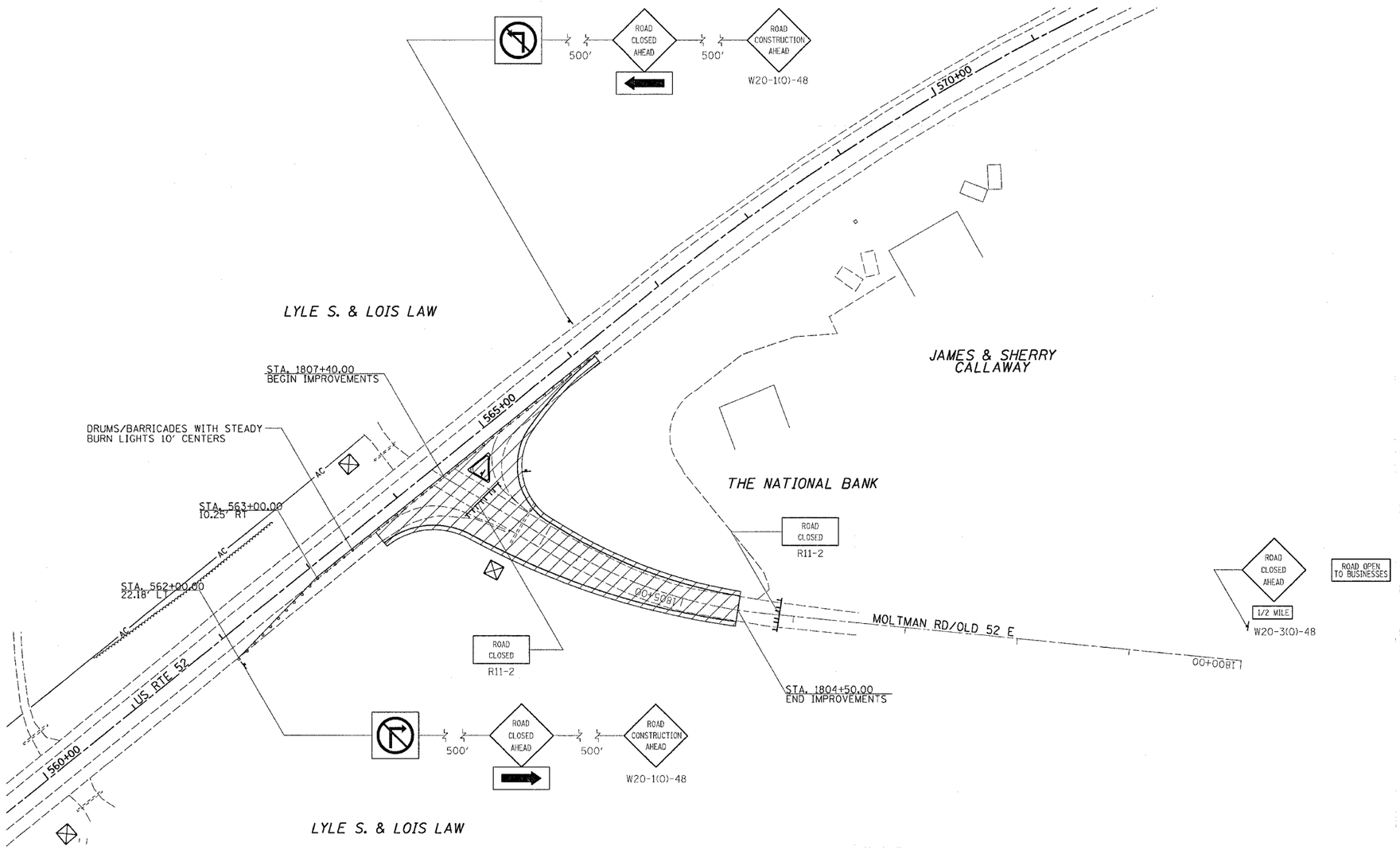
• (1,2)RS & (3-1)RS-1 CONTRACT NO. 64560

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1*	**	CARROLL	548	167
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* ROUTE 17 (US 52 / IL 64)
** (1,2)RS & (3-1)RS-1

STAGING 6

1. USE STANDARD 701201 TO SET UP ROAD CLOSURE.
   a. REMOVE ANY CONFLICTING PAVEMENT MARKING.
2. REMOVE PAVEMENT FROM STA. 1804+50 TO STA. 1807+40.
3. PLACE 1' OF SUB. GRAN. MATERIAL TYPE A AND FABRIC FILTER.
4. PLACE 3" OF INCIDENTAL HOT-MIX ASPHALT SURFACING (2 LIFTS).
5. DO SOME TEMP. STRIPING.
6. GO TO STAGE 6A.



= WORK ZONE

= TYPE III BARRICADE WITH FLASHING LIGHTS

= SIGN

= BARRICADE, OR DRUM WITH STEADY BURNING LIGHTS

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

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STAGING DETAILS

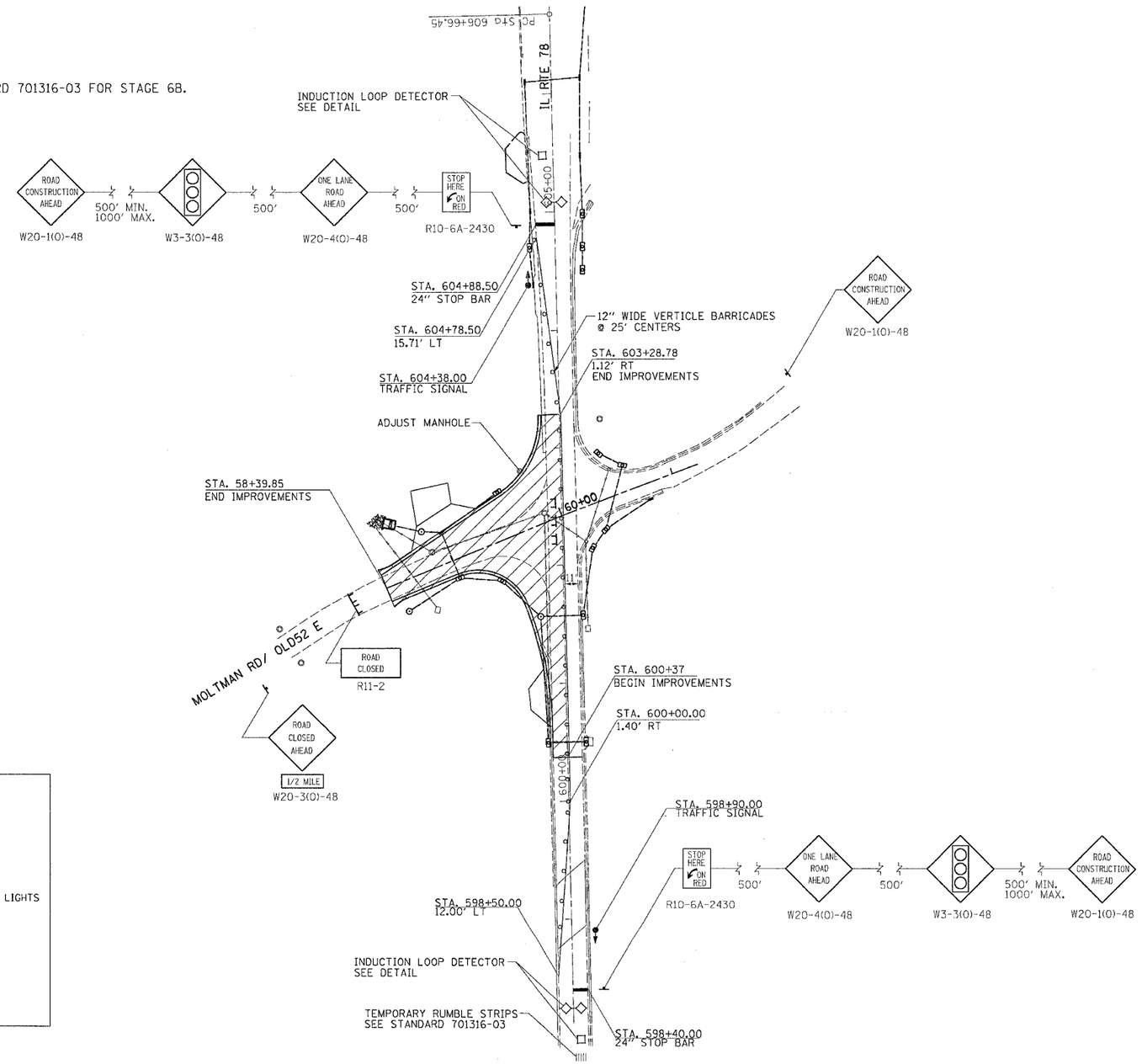
• (1,2)RS & (3-1)RS-1 CONTRACT NO. 64560

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1*	**	CARROLL	548	168
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* ROUTE 17 (US 52 / IL 64)
** (1,2)RS & (3-1)RS-1

STAGING 6A

1. USE STANDARD 701201-02 TO SET UP STANDARD 701316-03.
2. REMOVE PAVEMENT FROM STA. 600+37 TO STA. 603+28 LT AND FROM STA. 58+39 TO STA. 60+00.00 LT AND RT.
3. ADJUST MANHOLE.
   A. PLACE INLETS, MANHOLES, AND STORM SEWER. REMOVE OLD STORM SEWER
4. PLACE 1' OF SUB. GRAN. MATERIAL TYPE A.
5. PLACE CURB AND GUTTER.
6. PLACE ALL BINDER COARSE.
7. DO COMMERCIAL ENTRANCE.
8. GRADE AND SHAPE FOR WATER.
9. USE STANDARD 701201-02 TO SET UP STANDARD 701316-03 FOR STAGE 6B.
10. GO TO STAGE 6B.



= WORK ZONE
= TYPE III BARRICADE WITH FLASHING LIGHTS
= SIGN
= BARRICADE, OR DRUM WITH STEADY BURNING LIGHTS
= INDUCTION LOOP DETECTOR
= TRAFFIC SIGNAL
= TEMPORARY RUMBLE STRIPS

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

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STAGING DETAILS

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USER NAME = hernsorke

• (1,2)RS & (3-1)RS-1

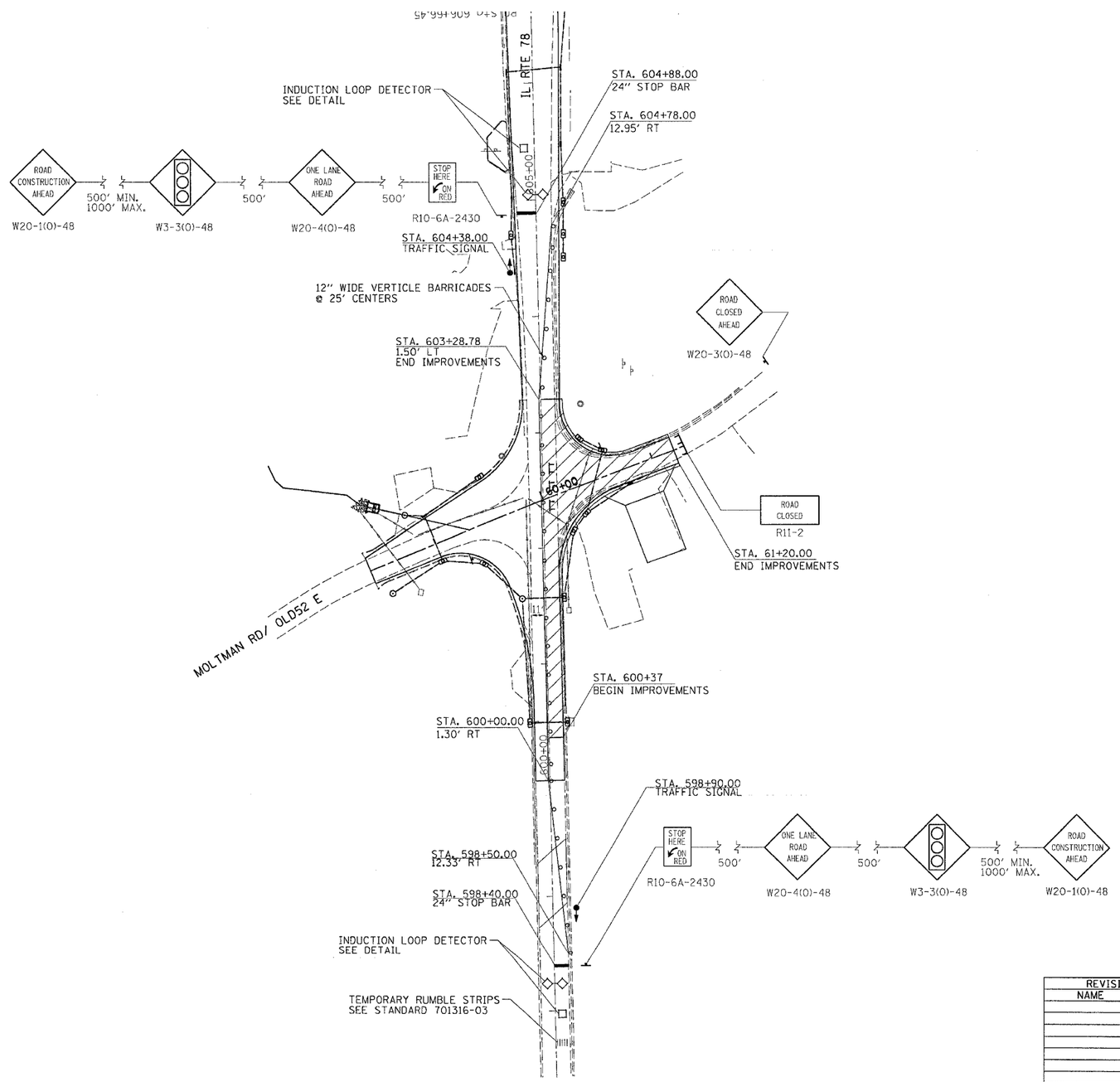
CONTRACT NO. 64560

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1*	**	CARROLL	548	169
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* ROUTE 17 (US 52 / IL 64)
** (1,2)RS & (3-1)RS-1

STAGING 6B

1. REMOVE PAVEMENT FROM STA. 600+37 TO STA. 603+28 RT AND STA. 60+00 TO 61+20 LT AND RT.
2. REMOVE INLETS AND STORM SEWER..
3. PLACE NEW INLET AT COMMERCIAL STREET.
4. PLACE 1' OF SUB. GRAN. MATERIAL TYPE A.
5. PLACE CURB AND GUTTER ON RT.
6. PLACE ALL BINDER COARSE.
7. DO COMMERCIAL ENTRANCE.
8. DO ANY GRADING AND SHAPING.
9. GO TO STAGE 7.



= WORK ZONE

= TYPE III BARRICADE WITH FLASHING LIGHTS

= SIGN

= BARRICADE, OR DRUM WITH STEADY BURNING LIGHTS

= INDUCTION LOOP DETECTOR

= TRAFFIC SIGNAL

= TEMPORARY RUMBLE STRIPS

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

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USER NAME = hensonke

STAGING DETAILS

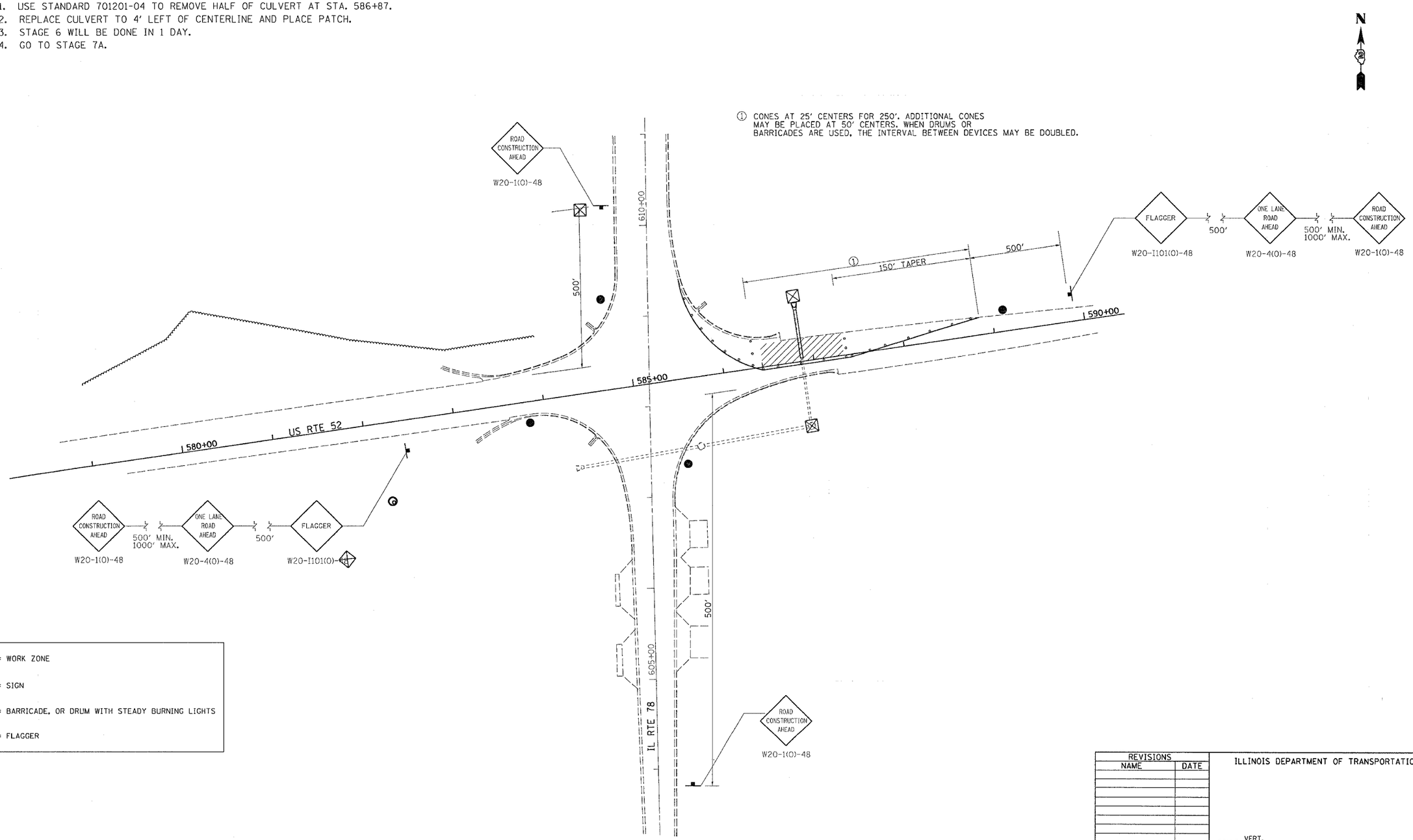
CONTRACT NO. 64560

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1*	**	CARROLL	548	170
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* ROUTE 17 (US 52 / IL 64)
** (1,2)RS & (3-1)RS-1

STAGING 7

1. USE STANDARD 701201-04 TO REMOVE HALF OF CULVERT AT STA. 586+87.
2. REPLACE CULVERT TO 4' LEFT OF CENTERLINE AND PLACE PATCH.
3. STAGE 6 WILL BE DONE IN 1 DAY.
4. GO TO STAGE 7A.



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SCALE: VERT. HORIZ.
DATE
DRAWN BY
CHECKED BY

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PLOT SCALE = 50.0000 ' / IN.
USER NAME = hensonke

STAGING DETAILS

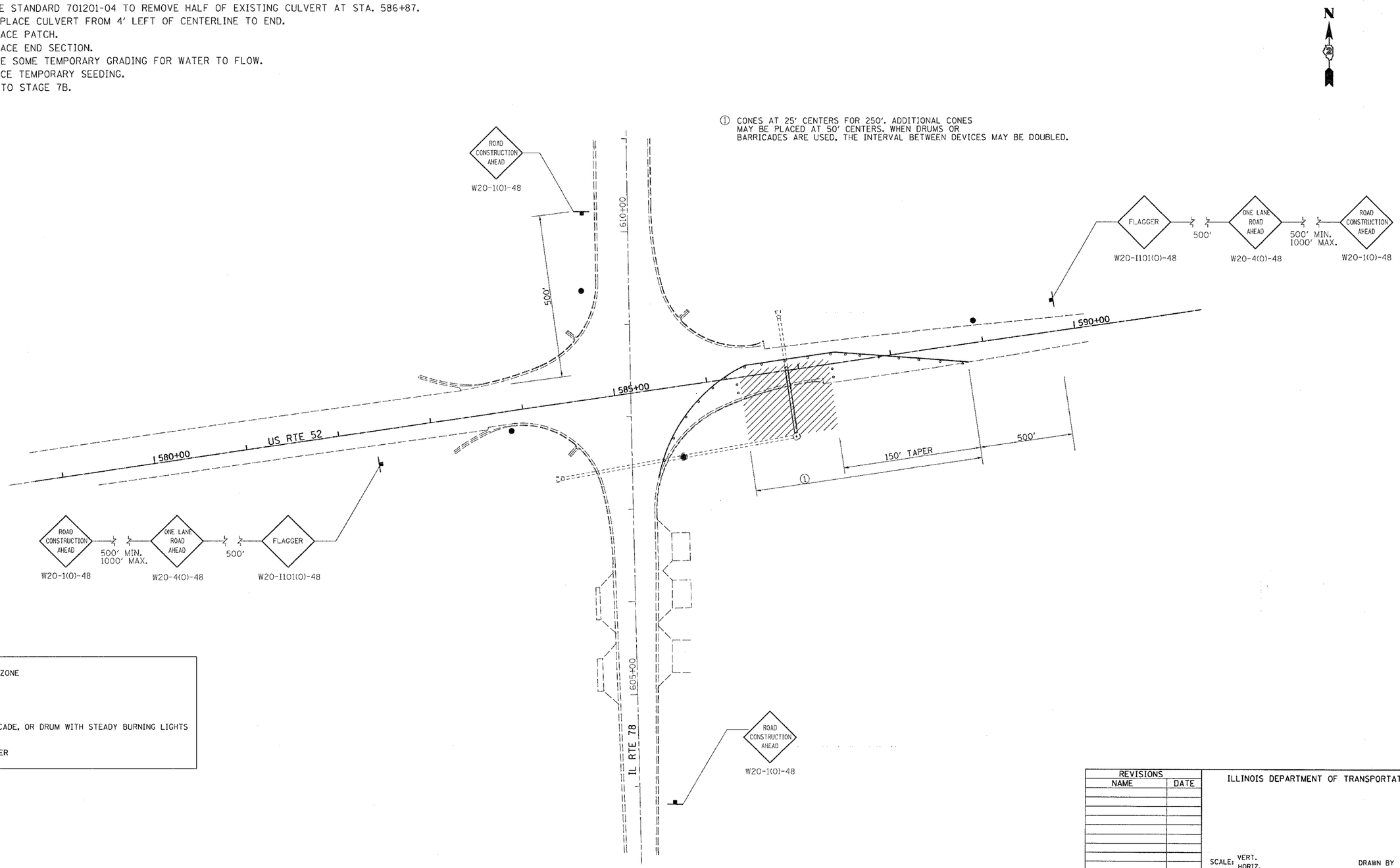
CONTRACT NO. 64560

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1*	**	CARROLL	548	171
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* ROUTE 17 (US 52 / IL 64)
** (1,2)RS & (3-1)RS-1

STAGING 7A

1. USE STANDARD 701201-04 TO REMOVE HALF OF EXISTING CULVERT AT STA. 586+87.
2. REPLACE CULVERT FROM 4' LEFT OF CENTERLINE TO END.
3. PLACE PATCH.
4. PLACE END SECTION.
5. DUE SOME TEMPORARY GRADING FOR WATER TO FLOW.
6. PLACE TEMPORARY SEEDING.
7. GO TO STAGE 7B.



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SCALE: VERT. HORIZ.
DATE
DRAWN BY
CHECKED BY

STAGING DETAILS

PLOT DATE = Fri Mar 23 09:04:10 2007
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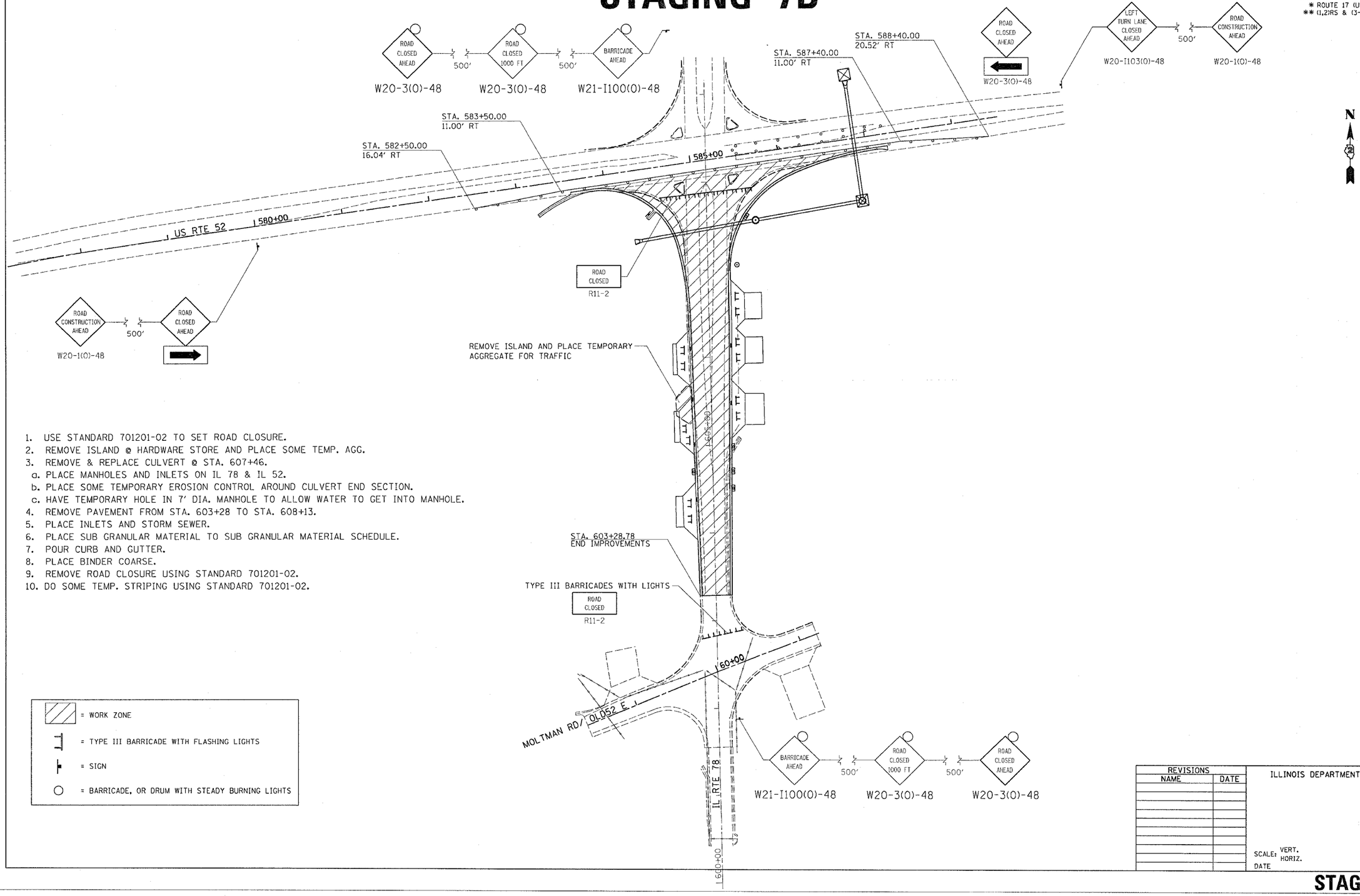
USER NAME = hensonke

• (1,2)RS & (3-1)RS-1 CONTRACT NO. 64560

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17*	**	CARROLL	548	172
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* ROUTE 17 (US 52 / IL 64)
** (1,2)RS & (3-1)RS-1

STAGING 7B



1. USE STANDARD 701201-02 TO SET ROAD CLOSURE.
2. REMOVE ISLAND @ HARDWARE STORE AND PLACE SOME TEMP. AGG.
3. REMOVE & REPLACE CULVERT @ STA. 607+46.
   a. PLACE MANHOLES AND INLETS ON IL 78 & IL 52.
   b. PLACE SOME TEMPORARY EROSION CONTROL AROUND CULVERT END SECTION.
   c. HAVE TEMPORARY HOLE IN 7' DIA. MANHOLE TO ALLOW WATER TO GET INTO MANHOLE.
4. REMOVE PAVEMENT FROM STA. 603+28 TO STA. 608+13.
5. PLACE INLETS AND STORM SEWER.
6. PLACE SUB GRANULAR MATERIAL TO SUB GRANULAR MATERIAL SCHEDULE.
7. POUR CURB AND GUTTER.
8. PLACE BINDER COARSE.
9. REMOVE ROAD CLOSURE USING STANDARD 701201-02.
10. DO SOME TEMP. STRIPING USING STANDARD 701201-02.

= WORK ZONE
= TYPE III BARRICADE WITH FLASHING LIGHTS
= SIGN
= BARRICADE, OR DRUM WITH STEADY BURNING LIGHTS

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SCALE: VERT. HORIZ.
DATE
DRAWN BY
CHECKED BY

STAGING DETAILS

PLOT DATE = Fri Mar 23 09:04:11 2007
FILE NAME = C:\projects\p207400\d07400stg.dgn
PLOT SCALE = 50.0000 ' / IN.
USER NAME = hansonke

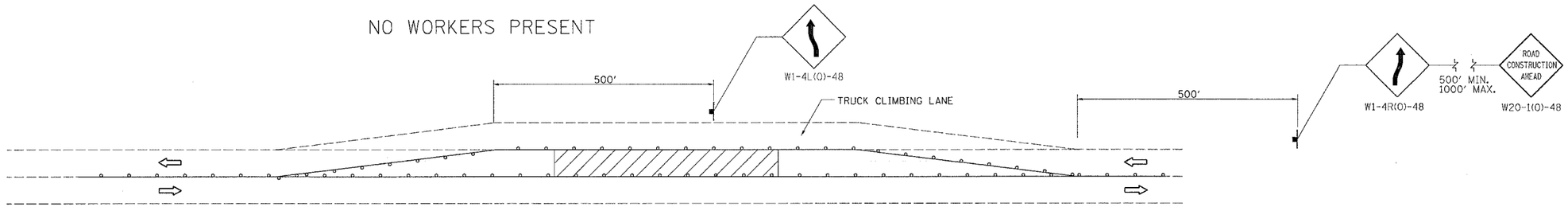
CONTRACT NO. 64560

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1*	**	CARROLL	548	173
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

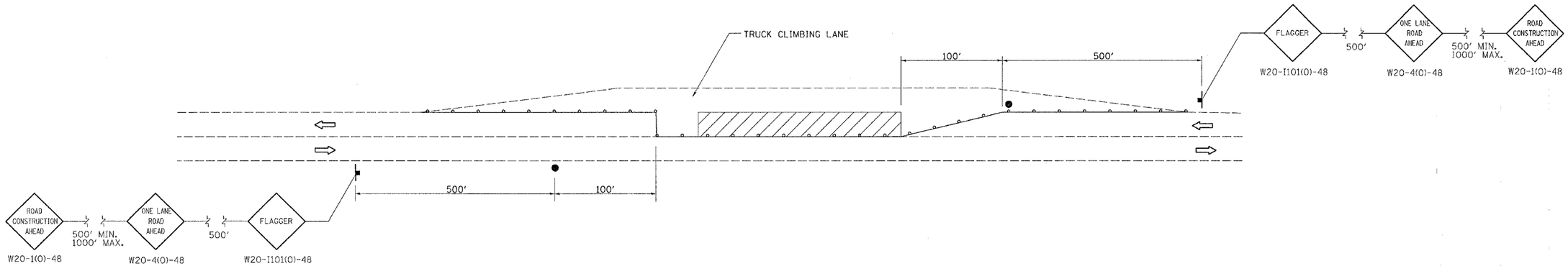
* ROUTE 17 (US 52 / IL 64)
** (1,2)RS & (3-1)RS-1

TRUCK CLIMBING LANES

NO WORKERS PRESENT



WITH WORKERS - DAYTIME



= WORK ZONE

= SIGN

= BARRICADE, OR DRUM WITH STEADY BURNING LIGHTS

= FLAGGER

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SCALE: VERT. HORIZ.

DATE

DRAWN BY

CHECKED BY

PLOT DATE = Fri Mar 23 09:04:12 2007
FILE NAME = C:\projects\p207400\d07400stg.dgn
PLOT SCALE = 50.0000 ' / IN.
USER NAME = hensonke

TRUCK CLIMBING LANES

CONTRACT NO. 64560

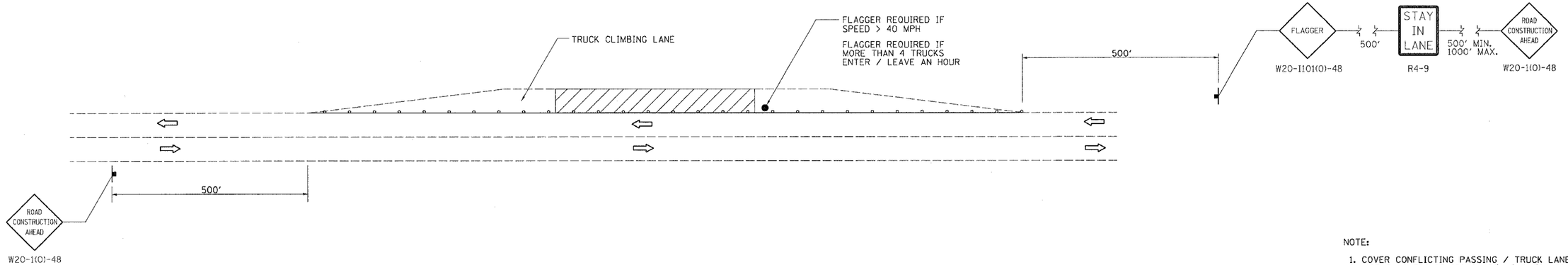
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17	**	CARROLL	548	174
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* ROUTE 17 (US 52 / IL 64)
** (1,2)RS & (3-1)RS-1

TRUCK CLIMBING LANES

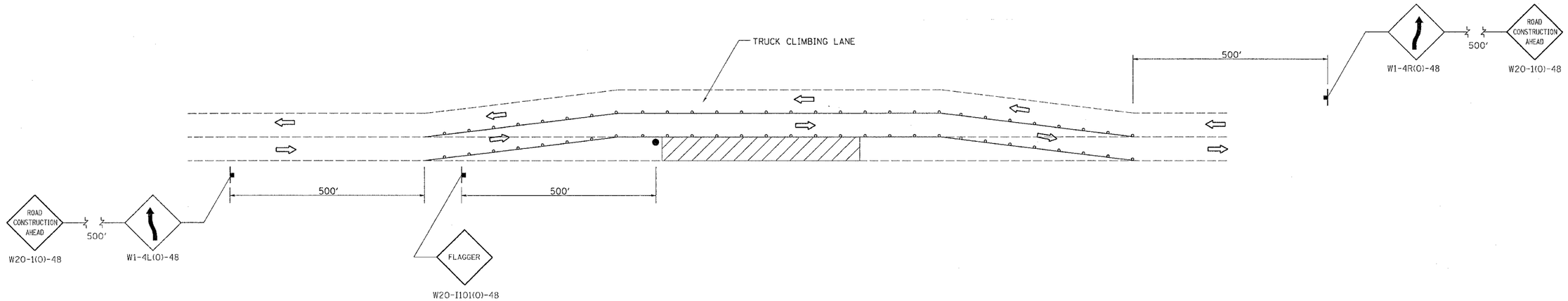
NOTE:

1. COVER CONFLICTING PASSING / TRUCK LANE SIGNS
2. USE FLASHERS IF SIGNS ARE UP OVER NIGHT



NOTE:

1. COVER CONFLICTING PASSING / TRUCK LANE SIGNS
2. USE FLASHERS IF SIGNS ARE UP OVER NIGHT



= WORK ZONE

= SIGN

= BARRICADE, OR DRUM WITH STEADY BURNING LIGHTS

= FLAGGER

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SCALE: VERT. HORIZ.

DATE

DRAWN BY

CHECKED BY

PLOT DATE = Fri Mar 23 09:04:12 2007
FILE NAME = C:\projects\p207400\d07400stg.dgn
PLOT SCALE = 50.0000 ' / IN.
USER NAME = hansonke

CONTRACT NO. 64560

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	CARROLL	548	175
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* ROUTE 17 (US 52 / IL 64)
** (1,2)RS & (3-1)RS-1

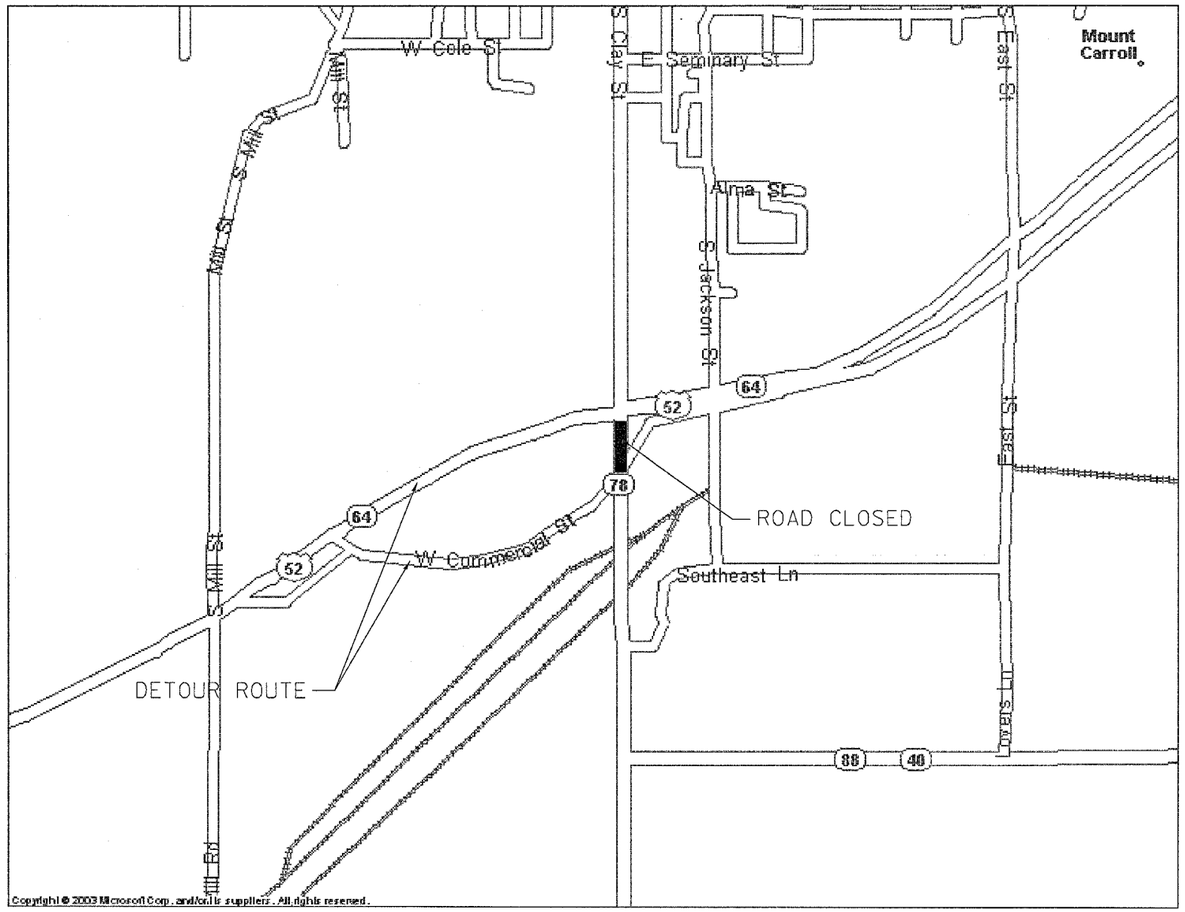
DETOUR SHEET

1. DETOUR SIGNING TO BE PROVIDED BY THE DEPARTMENT OF TRANSPORTATION.

2. IL 78 SOUTH WILL BE CLOSED BETWEEN US 52/ IL 62 AND W. COMMERCIAL ST.

   IL 78 NORTHBOUND TRAFFIC WILL TAKE W. COMMERCIAL ST. AND US 52/ IL 64 TO GET TO NORTH IL 78.

   IL 78 SOUTHBOUND TRAFFIC WILL TAKE US 52/ IL 64 AND W COMMERCIAL ST. TO GET TO SOUTH IL 78.



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

DETOUR SHEET
IL 78 S. ROAD CLOSURE

SCALE: VERT. HORIZ.
DATE
DRAWN BY
CHECKED BY

DETOUR SHEET

PLOT DATE = Fri Mar 23 09:04:12 2007
FILE NAME = E:\projects\p207400\d07400stg.dgn
PLOT SCALE = 70.0000 ' / IN.
USER NAME = hensonke

Benchmark:

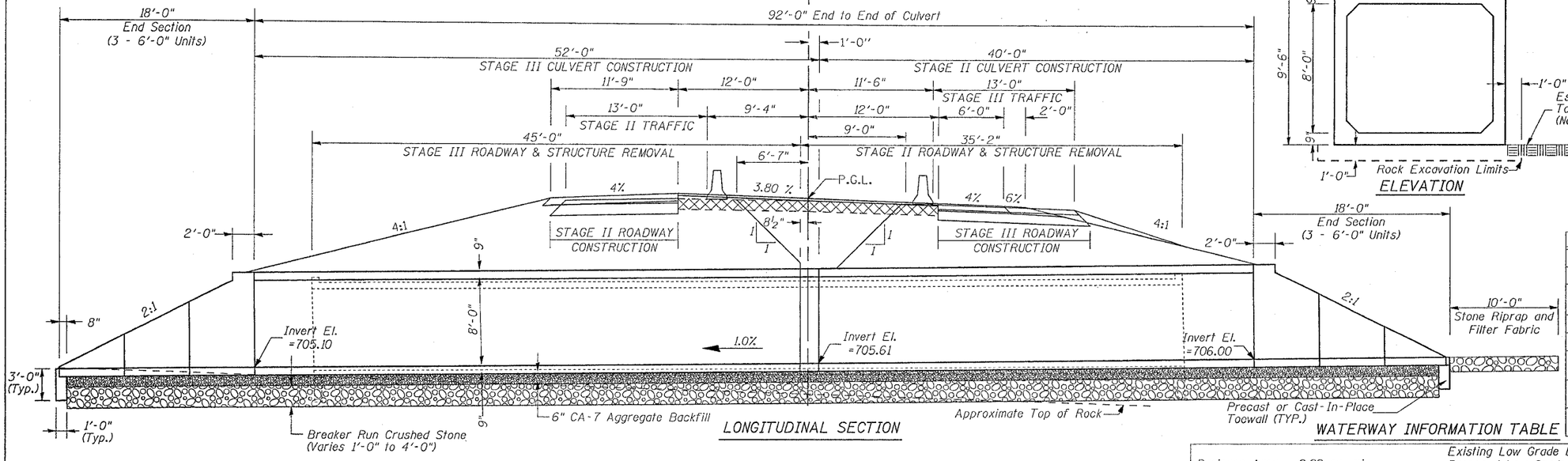
Existing Structure: Built in 1958 as a Single Barrel 8'-0" x 7'-6" R. C. Box Culvert, with a Culvert Length of ±80'-4". Traffic to be Maintained Utilizing Stage Construction. No Salvage

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

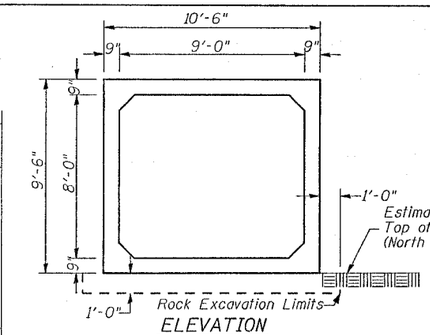
CONTRACT NO.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17	*	CARROLL	548	176
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* (1,2)RS & (3-1)RS-1



LONGITUDINAL SECTION



ELEVATION

HORIZONTAL CURVE DATA

PI STA. = 447+95.15
Δ = 17° 21' 49" (RT)
D = 1° 50' 11"
R = 3,119.87'
T = 476.39'
L = 945.48'
E = 36.16'
P.C. STA. = 443+18.76
P.T. STA. = 452+64.24
S.E. = 0.038'/'

PROFILE GRADE

Match existing plus 2½" overlay

DESCRIPTION	UNIT	QTY.
Stone Riprap, Class **A5**	Sq Yd	11.7
Filter Fabric	Sq Yd	11.7
Rock Excavation For Structures	Cu Yd	14
Removal of Existing Structures No. 1	Each	1
Temporary Sheet Piling	Sq Ft	972
Box Culvert End Section, Culvert No. 1	Each	2
Precast Concrete Box Culvert 9' X 8'	Foot	92
Breaker Run Crushed Stone	Ton	203

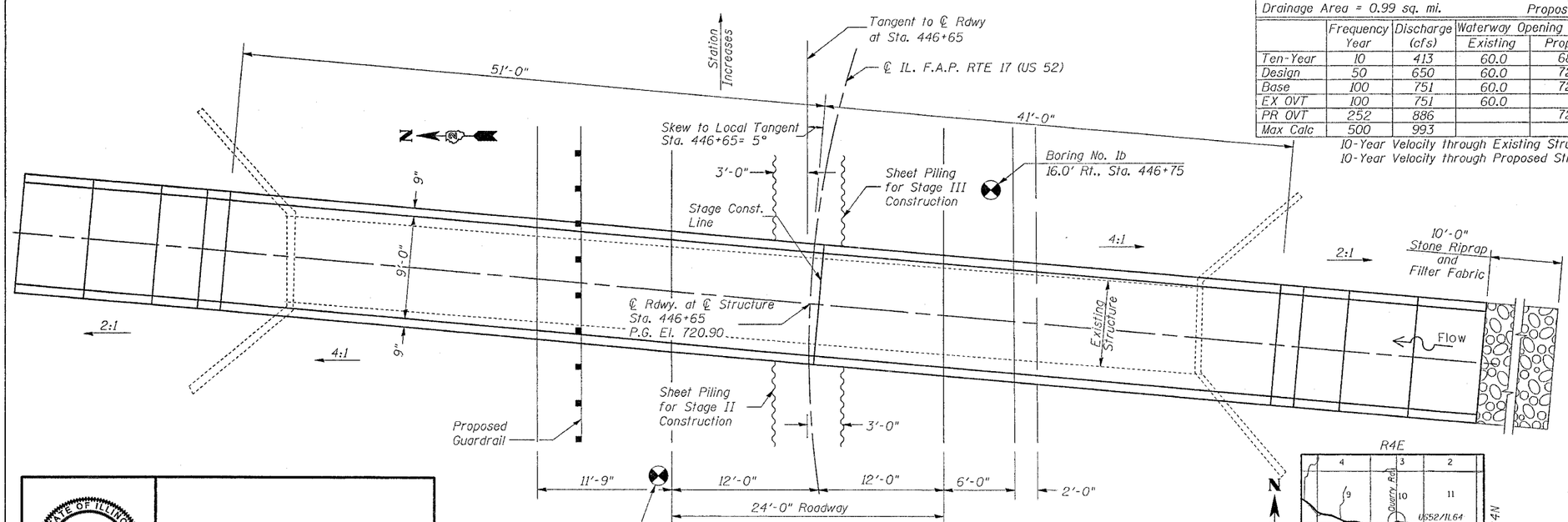
WATERWAY INFORMATION TABLE

Drainage Area = 0.99 sq. mi.

Existing Low Grade Elevation: 719.40 ft. @ Sta. 451+74.7
Proposed Low Grade Elevation: 719.59 ft. @ Sta. 451+74.7

	Frequency Year	Discharge (cfs)	Waterway Opening Sq. Ft. Existing	Waterway Opening Sq. Ft. Proposed	Natural H.W.E.	Head (ft) Existing	Head (ft) Proposed	Headwater Elev. (ft) Existing	Headwater Elev. (ft) Proposed
Ten-Year	10	413	60.0	68.0	712.82	1.51	1.20	714.33	714.02
Design	50	650	60.0	72.0	714.69	3.17	2.26	717.86	716.95
Base	100	751	60.0	72.0	715.37	4.04	2.84	719.41	718.21
EX OVT	100	751	60.0		715.37	4.04		719.41	
PR OVT	252	886		72.0	716.23		3.36		719.59
Max Calc	500	993							

10-Year Velocity through Existing Structure= 6.88 fps
10-Year Velocity through Proposed Structure= 6.79 fps



PLAN

DESIGN SPECIFICATIONS

2002 A.A.S.H.T.O. Specifications

LOADING HS 20-44

Allow 50#/Sq. Ft. for future wearing surface

NOTES

Precast Box shall conform to the requirements of A.A.S.H.T.O. M259 (A.S.T.M. C789). The maximum design fill height for this structure is 6'-6".

Rock excavation is estimated at the North End of the culvert for approximately 30'. The width is 1'-0" from the outside of the culvert at an average depth of 1'-0".

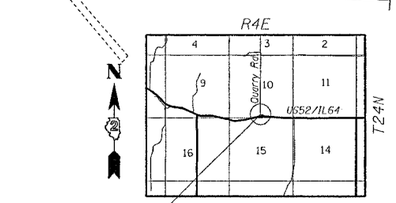
Breaker Run Crushed Stone to be placed as a subbase. Min. depth over competent rock is 1'-0". Additional thickness required if competent rock is not found.

Work this sheet with Staging sheets. Stage I is for Culvert No. 3.

For additional notes see the General Notes sheet.

DESIGN STRESSES

fy = 60,000 psi
fy = 65,000 psi (Welded Wire Fabric)
f'c = 3,500 psi
f'c = 5,000 psi (Precast)



LOCATION SKETCH

STATE OF ILLINOIS
DAVID F. MAXWELL
081-005455
ST. LOUIS, MO.
LICENSED STRUCTURAL ENGINEER

David F. Maxwell, S.E. Reg. No. 081-005455
Date: 3/15/07
My registration expires November 30, 2008.

GENERAL PLAN
US RTE 52 / IL RTE 64
CULVERT NO. 1
F.A.P. RTE 17 SECTION (1,2)RS & (3-1)RS-1
CARROLL COUNTY
STA. 446+65

PLOT DATE = 3/13/2007
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USER NAME = $$USER$$

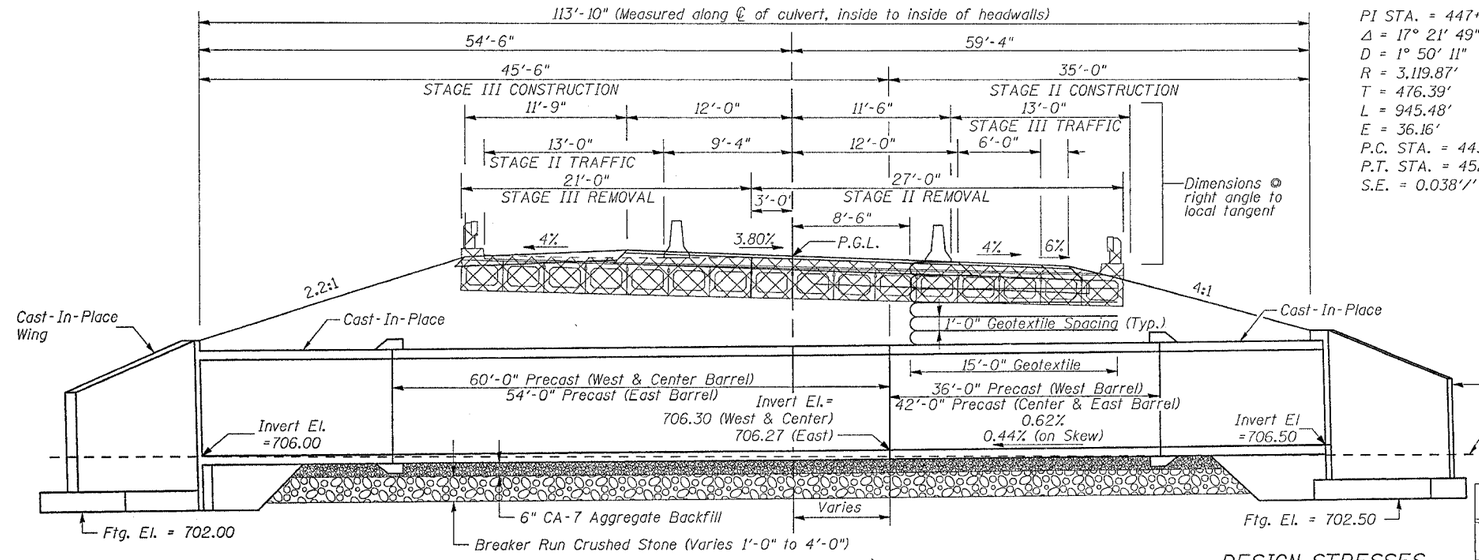
CONTRACT NO.				
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17	•	CARROLL	548	177
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

• (1,2)RS & (3-1)RS-1

Benchmark:

Existing Structure: Built in 1957 as a single span bridge with precast concrete deck beams. (Structure Number 008-0002) Length of span is 42'-10". Components of exisiting structure that do not affect new construction may remain in place. Remove existing to ±2'-0" below finished grade. No Salvage.

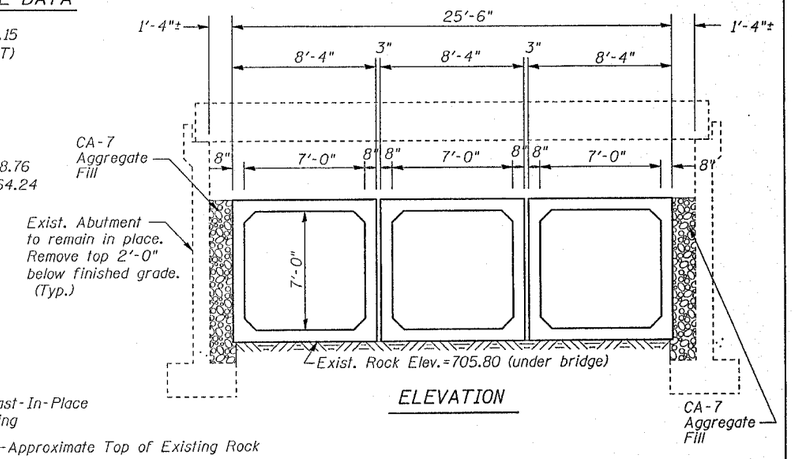
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



LONGITUDINAL SECTION

HORIZONTAL CURVE DATA

PI STA. = 447+95.15
Δ = 17° 21' 49" (RT)
D = 1° 50' 11"
R = 3,119.87'
T = 476.39'
L = 945.48'
E = 36.16'
P.C. STA. = 443+18.76
P.T. STA. = 452+64.24
S.E. = 0.038'/'



ELEVATION

DESIGN STRESSES

fy = 60,000 psi
fy = 65,000 psi (Welded Wire Fabric)
f'c = 3,500 psi
f'c = 5,000 psi (Precast)

PROFILE GRADE

Match existing plus 2½" overlay

DESIGN SPECIFICATIONS

2002 A.A.S.H.T.O. Specifications

WATERWAY INFORMATION TABLE

Ex. Drainage Area = 3.03 sq. mi.
Prop. Drainage Area = 2.75 sq. mi.
Existing Low Grade Elevation: 719.50 ft. @ Sta. 451+76
Proposed Low Grade Elevation: @ Sta.

	Frequency Year	Discharge Existing	Discharge Proposed	Waterway Opening Sq. Ft. Existing	Waterway Opening Sq. Ft. Proposed	Natural H.W.E.	Head (ft) Exist.	Head (ft) Prop.	Headwater Elev. (ft) Existing	Headwater Elev. (ft) Proposed
Ten-Year	10	532	489	134.4	109	711.7	0	0	711.7	711.7
Design	50	855	740	165.2	132	712.8	0.5	0	713.3	712.8
Base	100	1000	843	176.4	141	713.2	0.6	0	713.8	713.2
EX OVT										
PR OVT										
Max Calc	500	1361	1087	207.2	164	714.3	0.7	0.1	715.0	714.4

10-Year Velocity through Existing Structure= 3.28 fps
10-Year Velocity through Proposed Structure= 4.55 fps

NOTES

Precast Box shall conform to the requirements of A.A.S.H.T.O. M259 (A.S.T.M. C789) The maximum design fill height for this structure is 7'-8".

Removal of the slab on the existing bridge creates an unstable condition for the existing abutment walls. Top of wall shall be braced against ground or opposite wall until culvert is placed and backfilled. Force at top of wall is 2.3 k/ft. Contractor to submit bracing plan or other method to stabilize walls for approval prior to removal of bridge deck . See special provision for Temporary Support System.

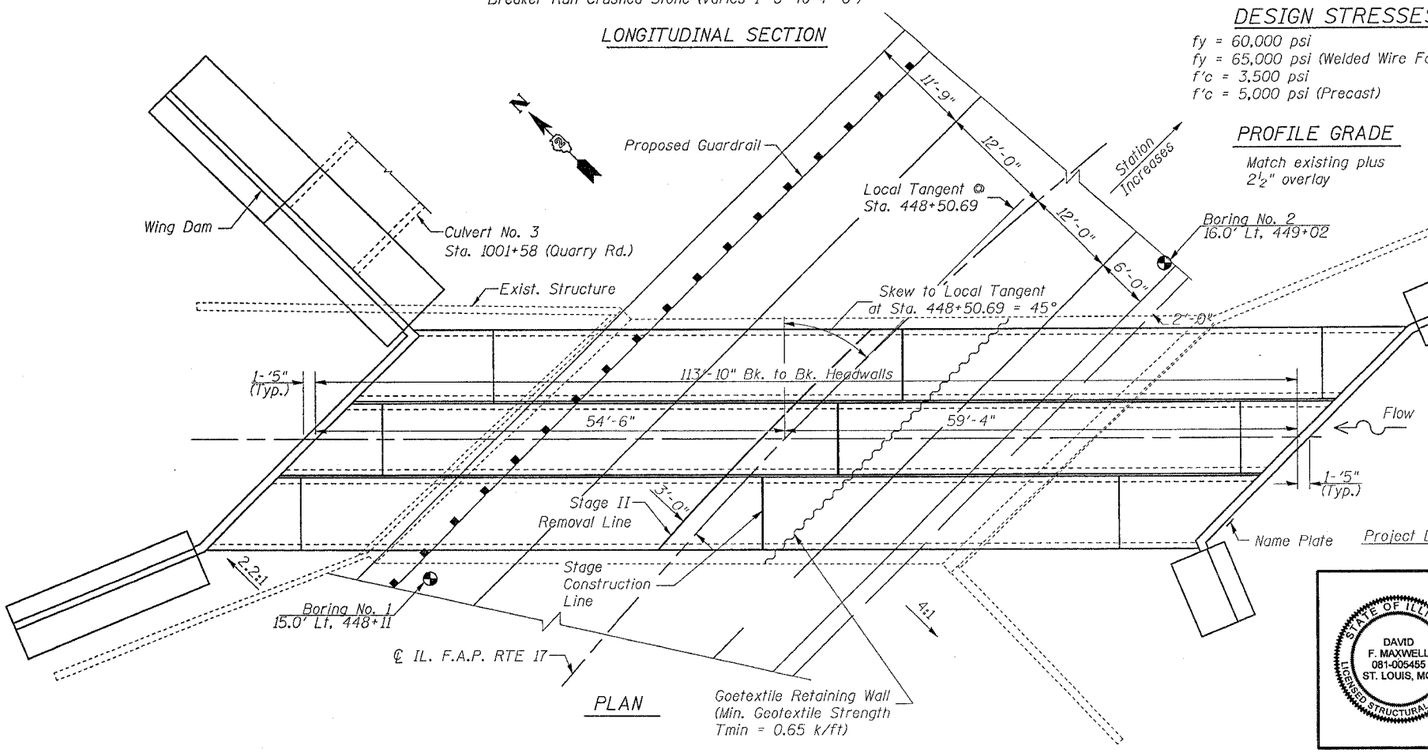
Breaker Run Crushed Stone to be placed as a subbase. Min. depth over component rock is 1'-0". Additional thickness required if component rock is not found.

Rock Excavation is estimated to be required under 55'-0" of culvert at a depth of 1'-0" between existing walls.

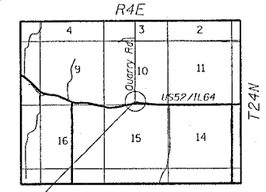
Work this sheet with Roadway Staging sheets. Stage I is for Culvert No. 3 construction. For additional notes see the General Notes sheet.

LOADING HS 20-44

Allow 50#/Sq. Ft. for future wearing surface



PLAN



LOCATION SKETCH

STATE OF ILLINOIS
DAVID F. MAXWELL 081-005455 ST. LOUIS, MO.
LICENSED STRUCTURAL ENGINEER

David F. Maxwell, S.E. Reg. No. 081-005455
Date: 3/15/07
My registration expires November 30, 2008.

GENERAL PLAN
US RTE 52 / IL RTE 64
CULVERT NO. 2
F.A.P. RTE 17 SECTION (1,2)RS & (3-1)RS-1
CARROLL COUNTY
STA. 448+50.69
STRUCTURE NO. 008-2019

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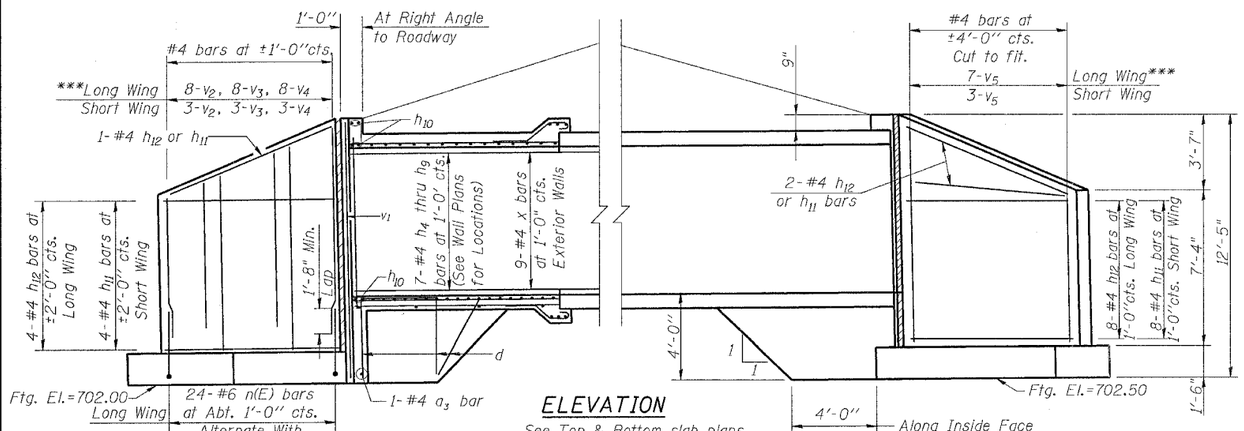
CONTRACT NO. 64560

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	CARROLL	548	178
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* ROUTE 17 (US 52 / IL 64)
** (1,2)RS & (3,1)RS-1

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

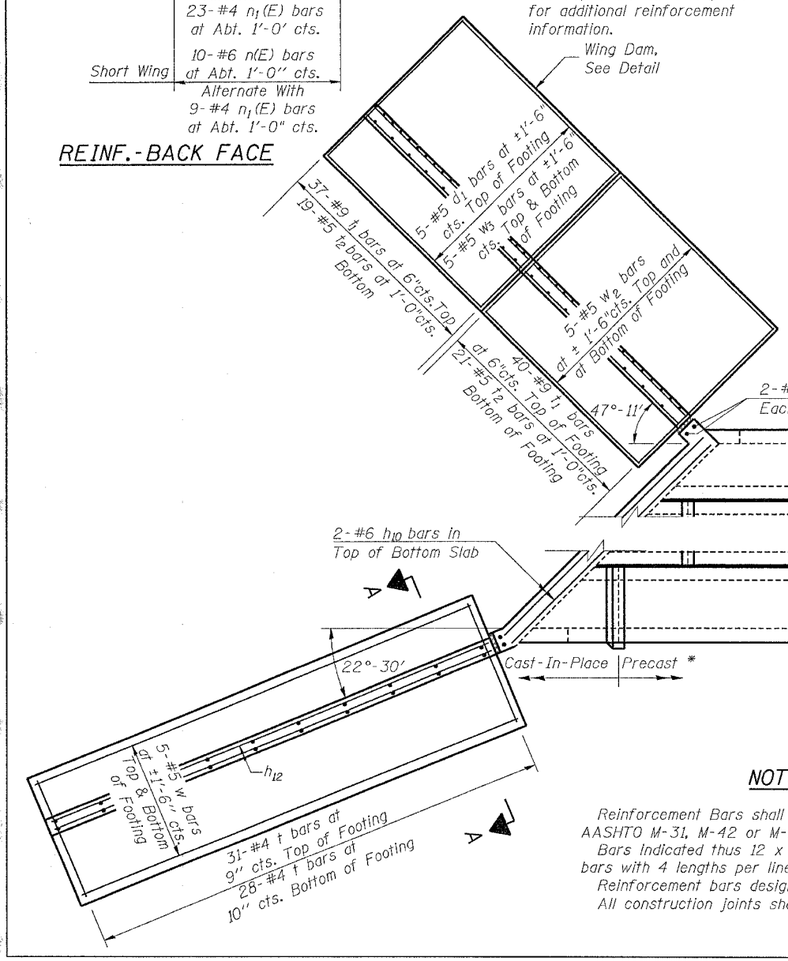


ELEVATION

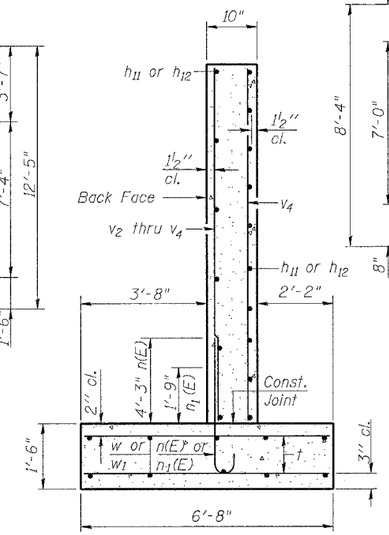
See Top & Bottom slab plans for additional reinforcement information.

REINF.-FRONT FACE

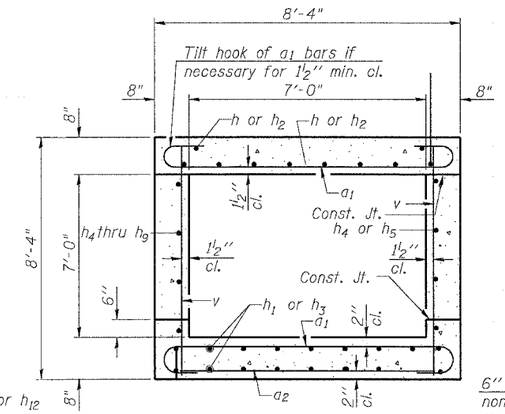
***For wing dam. see detail.



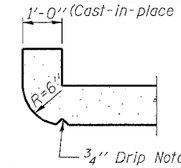
REINF.-BACK FACE



SECTION A-A

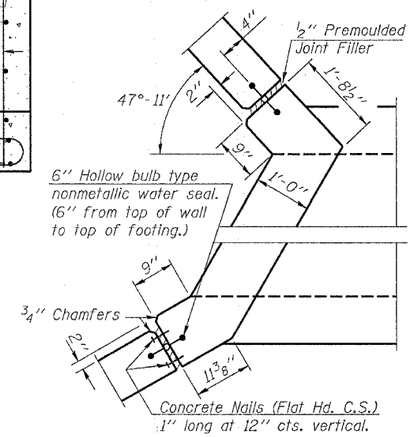


SECTION THRU BARREL

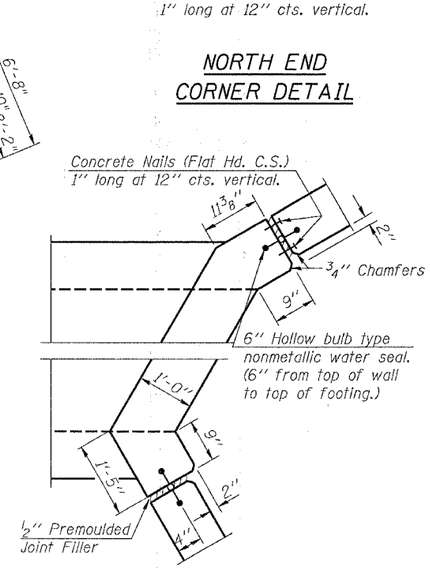


SECTION THRU HEADWALL

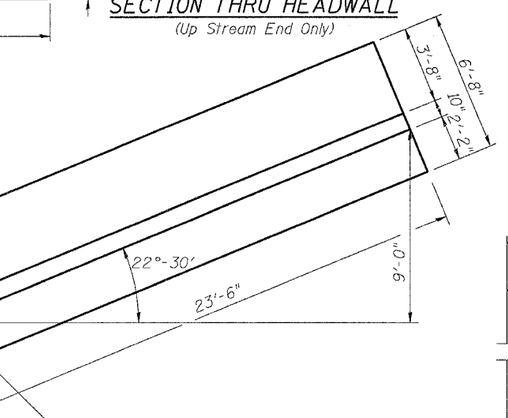
(Up Stream End Only)



NORTH END CORNER DETAIL



SOUTH END CORNER DETAIL



PLAN

Cast-In-Place | Precast *

* See Staggered End Section for Dimensions

DESIGN STRESSES

fy = 60,000 psi
f'c = 3,500 psi

Max. Soil Pressure under footing = 2931 psf

NOTES

Reinforcement Bars shall conform to the requirements of AASHTO M-31, M-42 or M-53, Grade 60.

Bars indicated thus 12 x 4-#5 etc. indicates 12 lines of bars with 4 lengths per line.

Reinforcement bars designated (E) shall be epoxy coated.

All construction joints shall be bonded.

CULVERT DETAILS
US RTE 52 / IL RTE 64
CULVERT NO. 2
F.A.P. RTE 17 SECTION (1,2)RS & (3-1)RS-1
CARROLL COUNTY
STA. 448+50.69
STRUCTURE NO. 008-2019

PLOT DATE = Fri Mar 23 09:39:46 2007
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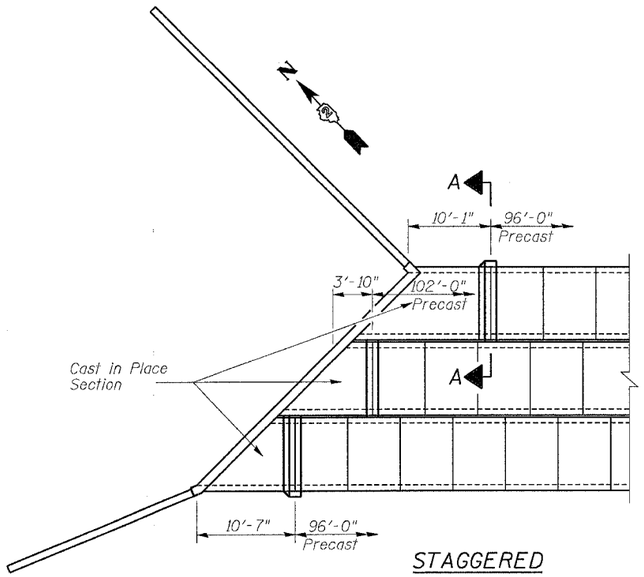
PLOT SCALE = 20.0000 ' / IN.
USER NAME = cushmanbw

CONTRACT NO. 64560

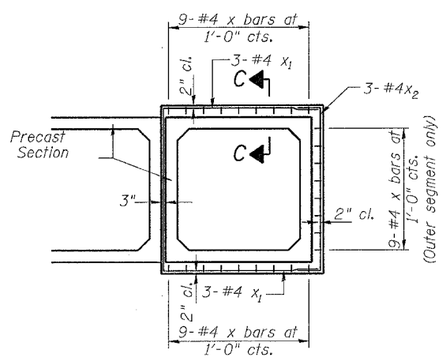
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	CARROLL	548	179
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

*ROUTE 17 (US 52 / IL 64)
**(1,2)RS & (3,1)RS-1

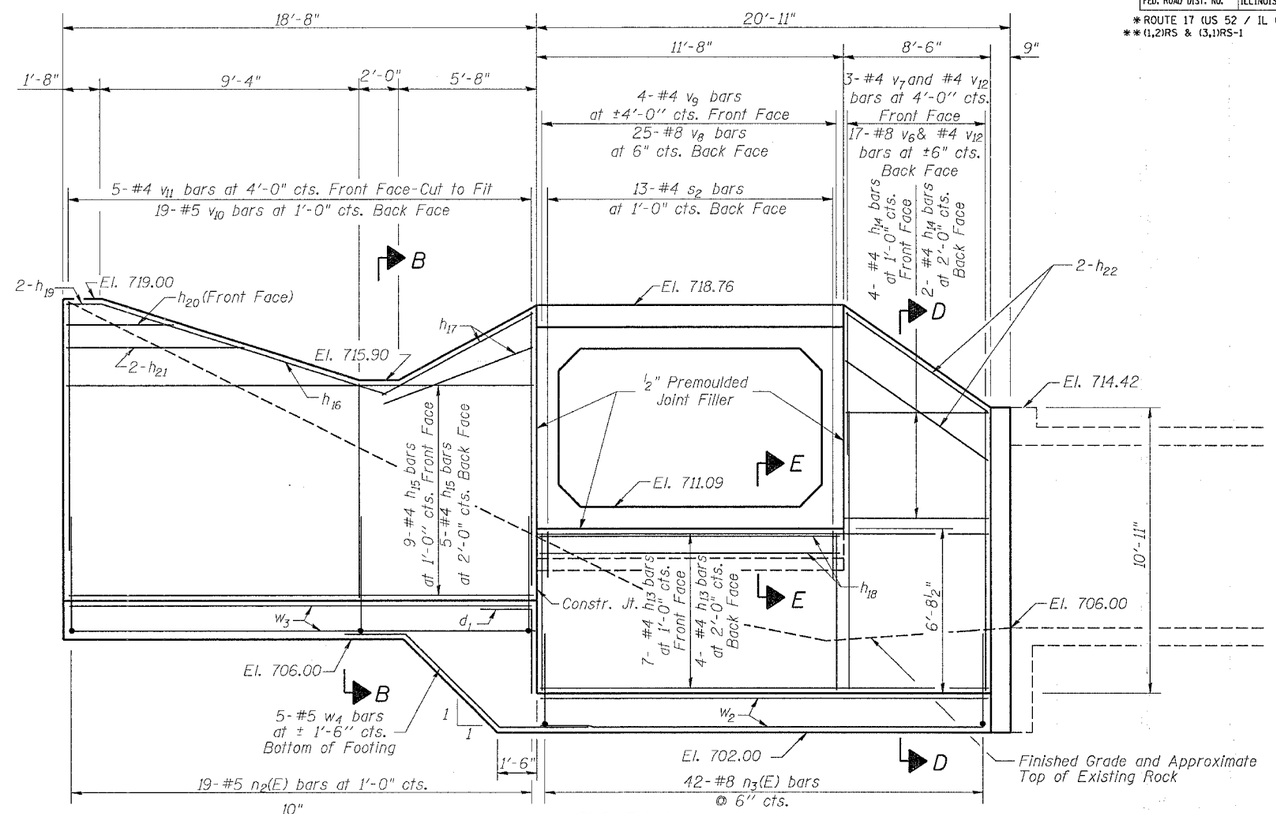


STAGGERED END SECTION

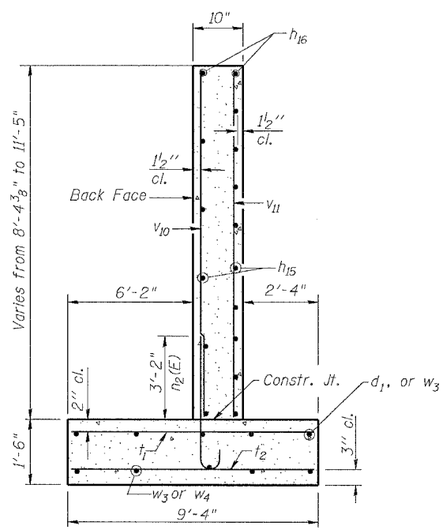
North End Shown
South End Similar & Rotated by 180°



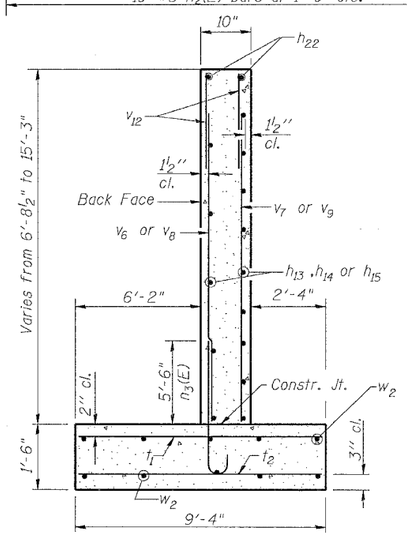
SECTION A-A



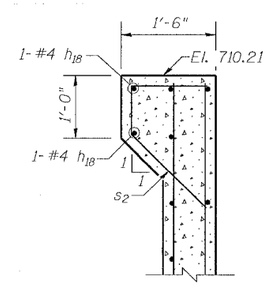
WING DAM
(LOOKING EAST)



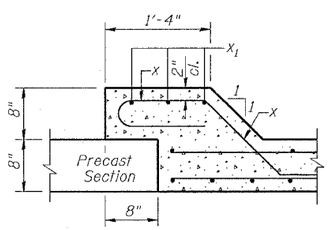
SECTION B-B



SECTION D-D



SECTION E-E



SECTION C-C

STATION 448+50.69
BUILT 200 BY
STATE OF ILLINOIS
F.A.P. RT. 17 SEC. (1,2)RS & (3-1)RS-1
LOADING HS20
STR. NO. 008-2019

NAME PLATE DETAIL

CULVERT DETAILS
US RTE 52 / IL RTE 64
CULVERT NO. 2
F.A.P. RTE 17 SECTION (1,2)RS & (3-1)RS-1
CARROLL COUNTY
STA. 448+50.69
STRUCTURE NO. 008-2019

PLOT DATE = Fri Mar 23 09:59:56 2007
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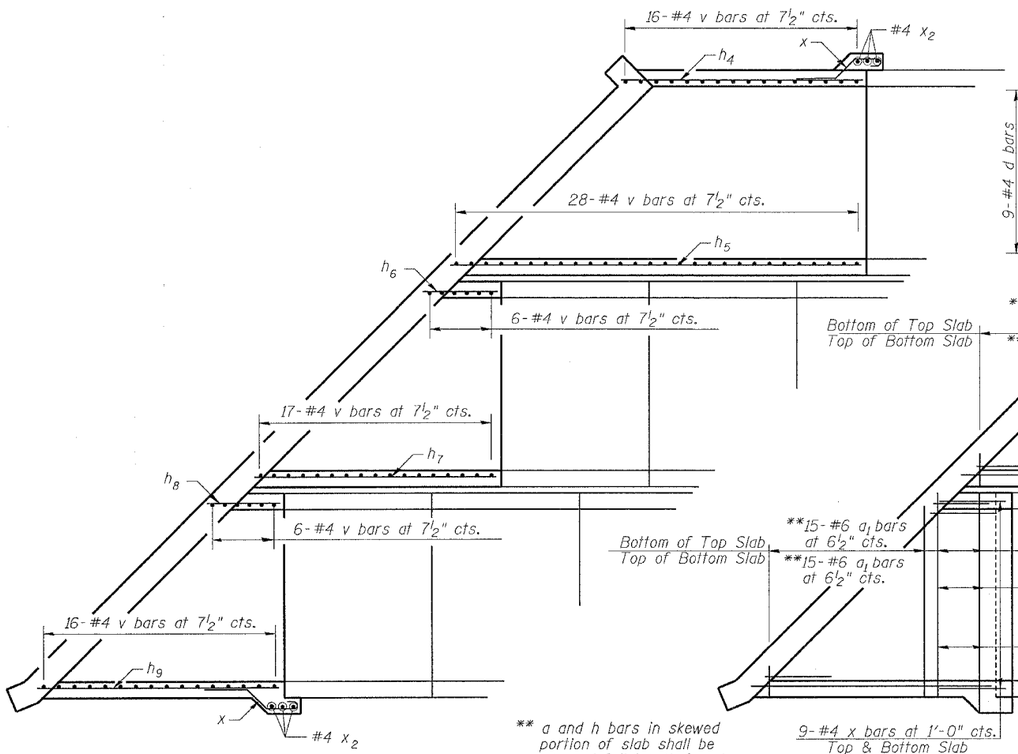
USER NAME = cushmandw

CONTRACT NO. 64560

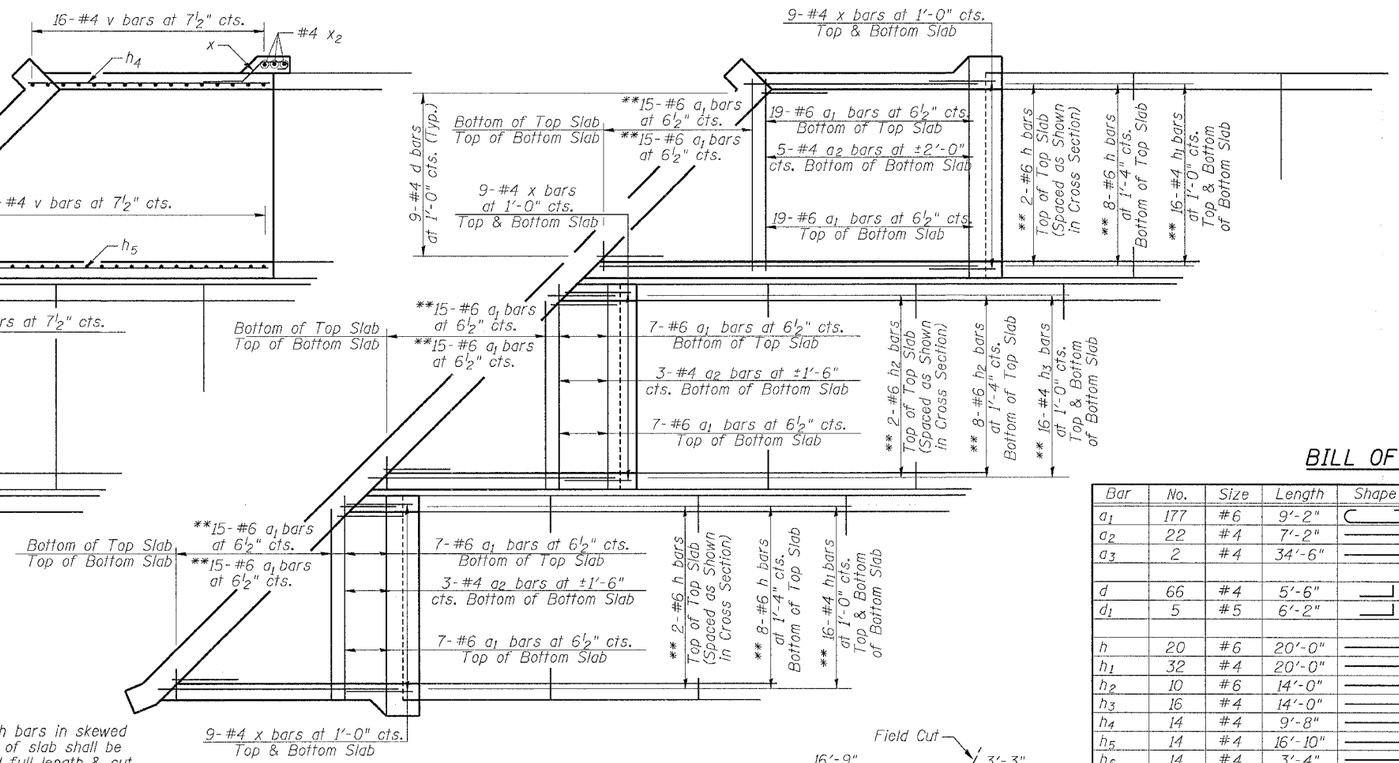
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	CARROLL	548	180
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* ROUTE 17 (US 52 / IL 64)
** (1,2)RS & (3,1)RS-1

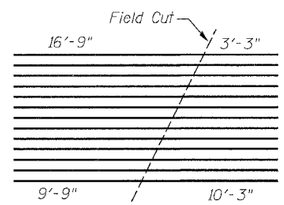


BOX CULVERT WALL REINFORCEMENT

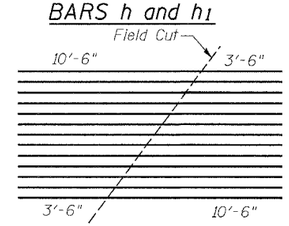
** a and h bars in skewed portion of slab shall be ordered full length & cut to fit. Balance of bars to be used in opposite end.



TOP & BOTTOM SLAB REINFORCEMENT



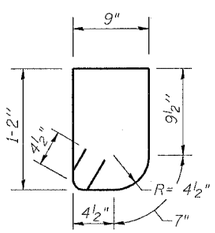
BARS h and h1



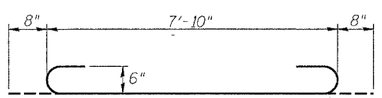
BARS h2 and h3

BILL OF MATERIAL

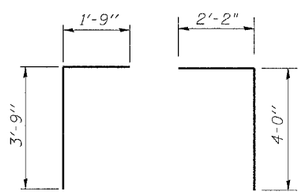
Bar	No.	Size	Length	Shape	Bar	No.	Size	Length	Shape
a_1	177	#6	9'-2"		s	36	#4	4'-5"	
a_2	22	#4	7'-2"		s_1	36	#4	4'-7"	
a_3	2	#4	34'-6"		s_2	13	#4	3'-7"	
d	66	#4	5'-6"		t	143	#4	6'-5"	
d_1	5	#5	6'-2"		t_1	77	#9	9'-0"	
					t_2	40	#5	9'-0"	
h	20	#6	20'-0"						
h_1	32	#4	20'-0"		v	178	#4	7'-10"	
h_2	10	#6	14'-0"		v_1	8	#5	12'-1"	
h_3	16	#4	14'-0"		v_2	19	#4	5'-10"	
h_4	14	#4	9'-8"		v_3	19	#4	7'-1"	
h_5	14	#4	16'-10"		v_4	20	#4	8'-3'	
h_6	14	#4	3'-4"		v_5	17	#4	10'-8"	
h_7	14	#6	10'-8"		v_6	17	#8	9'-1"	
h_8	14	#4	3'-1"		v_7	3	#4	10'-7"	
h_9	14	#4	10'-5"		v_8	25	#8	4'-11"	
h_{10}	12	#6	36'-1"		v_9	4	#5	6'-5'	
h_{11}	15	#4	8'-11"		v_{10}	12	#5	8'-4"	
h_{12}	30	#4	22'-5"		v_{11}	4	#4	11'-2"	
h_{13}	11	#4	19'-10"		v_{12}	20	#4	6'-0"	
h_{14}	6	#4	8'-2"						
h_{15}	14	#4	18'-4"		x	144	#4	5'-7"	
h_{16}	2	#4	10'-4"		x_1	36	#4	8'-0"	
h_{17}	4	#4	8'-4"		x_2	12	#4	12'-8"	
h_{18}	2	#4	11'-4"						
h_{19}	2	#4	1'-4"		w	20	#5	22'-5"	
h_{20}	1	#4	4'-0"		w_1	10	#5	8'-11"	
h_{21}	2	#4	6'-8"		w_2	10	#5	20'-7"	
h_{22}	4	#4	9'-3"		w_3	10	#5	18'-4"	
					w_4	5	#5	10'-0"	
n(E)	58	#6	6'-1"						
n_1(E)	55	#4	3'-5"						
n_2(E)	12	#5	6'-8"						
n_3(E)	42	#8	7'-8"						



BAR s
(Upstream)

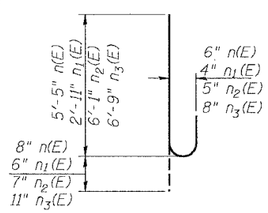


BAR a1

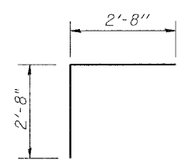


BAR d

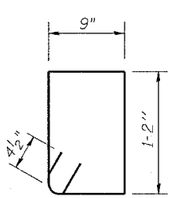
BAR d1



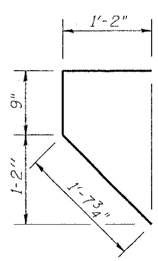
BAR n(E), n_1(E) and n_2(E)



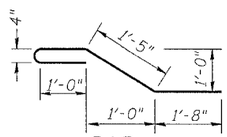
BAR z



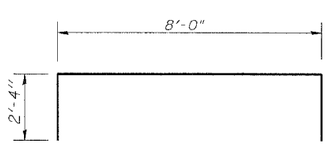
BAR s1
(Downstream)



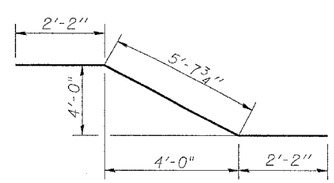
BAR s2



BAR x



BAR x2



BAR w4

DESCRIPTION	UNIT	QTY.
Removal of Existing Structure	EACH	1
Precast Concrete Box Culvert 7' X 7'	FOOT	294
Rock Excavation for Structures	CU. YD.	233
Geotextile Retaining Wall	SQ. FT.	320
Breaker Run Crushed Stone	TON	914
Temporary Support System	L SUM	1
Name Plates	EACH	1

Concrete Box Culverts	Cu. Yd.	127.1
Reinforcement Bars, Epoxy Coated	Pound	1598
Reinforcement Bars	Pound	14558

CULVERT DETAILS
US RTE 52 / IL RTE 64
CULVERT NO. 2
F.A.P. RTE 17 SECTION (1,2)RS & (3-1)RS-1
CARROLL COUNTY
STA. 448+50.69
STRUCTURE NO. 008-2019

PLOT DATE = Fri Mar 23 10:06:09 2007
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PLOT SCALE = 20.0000 ' / IN.
USER NAME = cushmanbv

Benchmark:

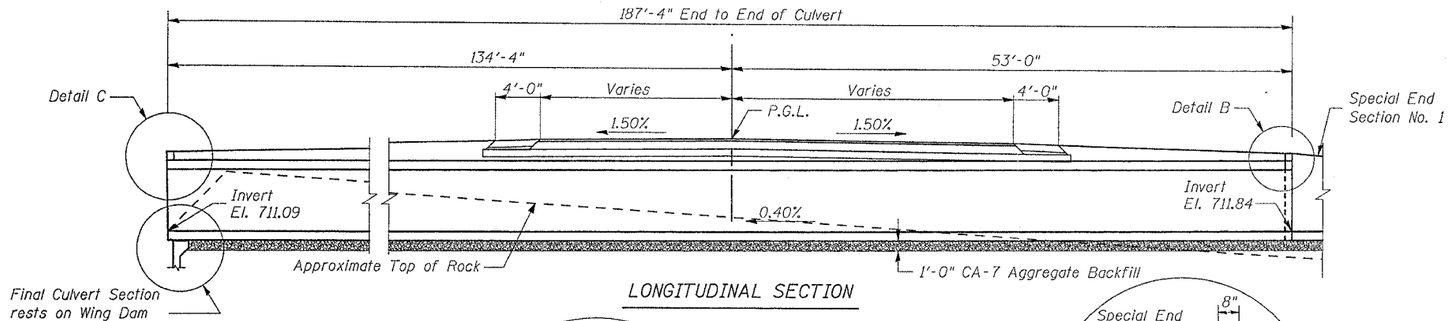
Existing Structure: Built in 1958 as a single barrel 10'-0" X 6'-0" R.C. Box Culvert, with a culvert length of ±61'-11". Current structure is located beneath US 52 and will be filled in place.
No Salvage

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

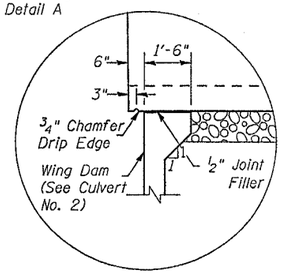
CONTRACT NO.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17	•	CARROLL	548	181
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

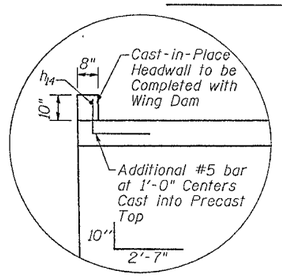
• (1,2)RS & (3-1)RS-1



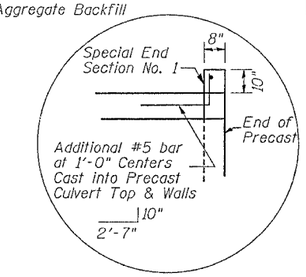
LONGITUDINAL SECTION



DETAIL A



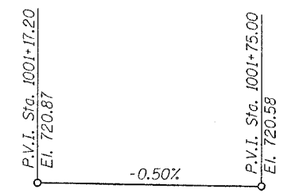
DETAIL C



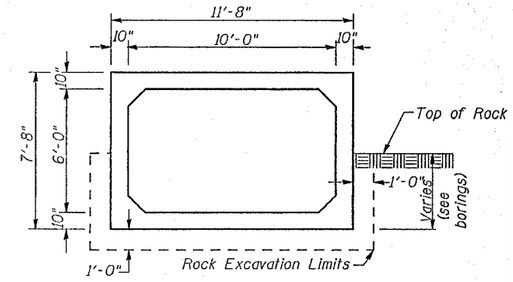
DETAIL B

QUARRY ROAD HORIZONTAL CURVE DATA

PI STA. = 1005+10.96
Δ = 31° 54' 56" (LT)
D = 10° 08' 27"
R = 565.00'
T = 161.56'
L = 314.72'
E = 22.65'
P.C. STA. = 1003+49.40
P.T. STA. = 1006+64.12
S.E. = 0.040 '/'



PROFILE GRADE



ELEVATION

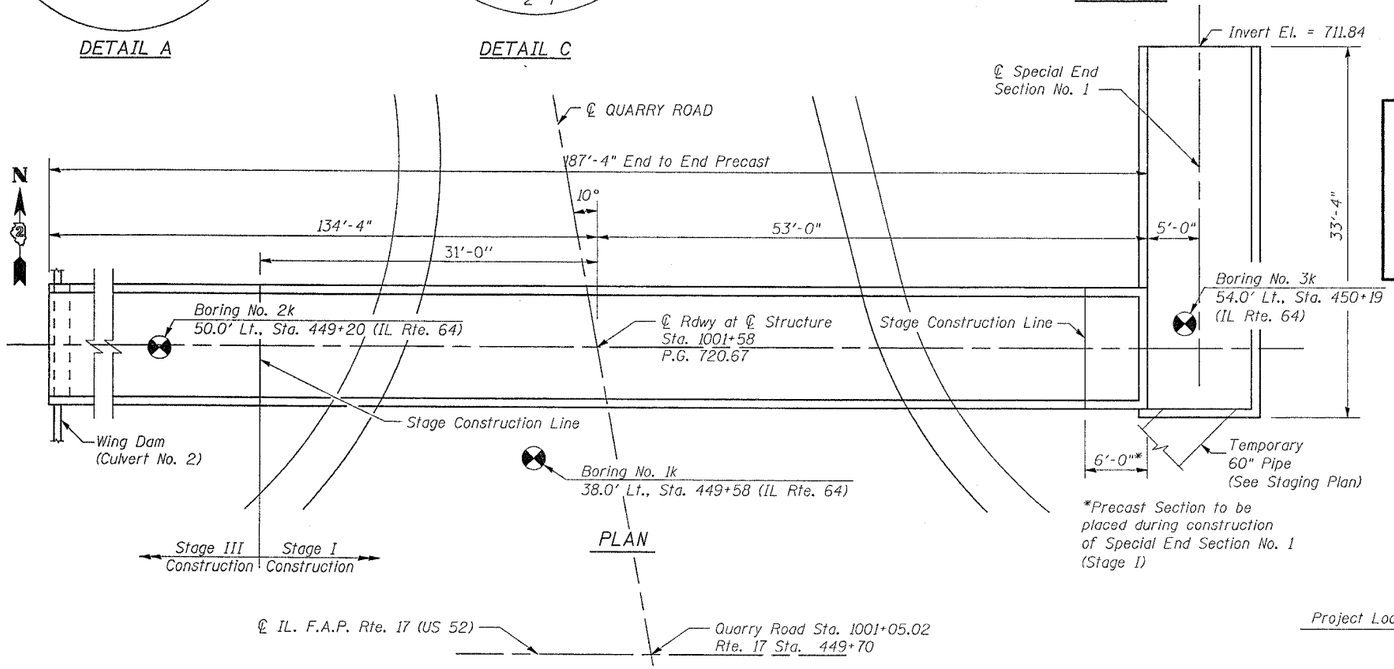
DESCRIPTION	UNIT	QTY.
Rock Excavation For Structures	Cu. Yd.	233
Precast Concrete Box Culvert 10' X 6' (M273)	Foot	187

WATERWAY INFORMATION

Drainage Area EX = 178.7 Acres Drainage Area PR = 178.7 Acres
Existing Low Grade Elevation: 720.00 ft.@ 450+00
Proposed Low Grade Elevation: 720.67 ft. @ 450+00

Flood	Freqency Year	Discharge EX cfs	Discharge PR cfs	Headwater Elev. (ft) Existing	Headwater Elev. (ft) Proposed
Ten-Year	10	226.0	226.0	716.10	715.78
Design	50	311.0	311.0	716.89	716.74
Base	100	356.0	356.0	717.37	717.22
EX Overtopping	>500				
PR Ovaertopping	>500				
Max Calc	500	497.0	497.0	718.76	718.61

10-Year Velocity through Existing Culvert= 5.7 fps
10-Year Velocity through Proposed Culvert= 9.4 fps



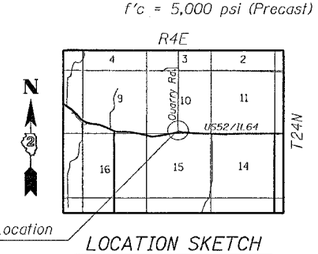
PLAN

STATE OF ILLINOIS
DAVID F. MAXWELL
081-005455
ST. LOUIS, MO.
LICENSED STRUCTURAL ENGINEER

David F. Maxwell, S.E. Reg. No. 081-005455
Date: 3/15/07
My registration expires November 30, 2008.

DESIGN STRESSES

fy = 60,000 psi
fy = 65,000 psi (Welded Wire Fabric)
f'c = 3,500 psi
f'c = 5,000 psi (Precast)



LOCATION SKETCH

DESIGN SPECIFICATIONS

2002 A.A.S.H.T.O. Specifications

LOADING HS 20-44

Allow 50#/Sq. Ft. for future wearing surface

NOTES

Precast Box shall conform to the requirements of A.A.S.H.T.O. M273 (A.S.T.M. C850)

Rock Excavation is estimated at the East End of the culvert for 60'-0". The width is estimated at 1'-0" from the outside of the culvert at an average depth of 5'-0".

For additional notes see the General Notes sheet.

All CA-7 is included in PRECAST CONCRETE BOX CULVERT 10' X 6'.

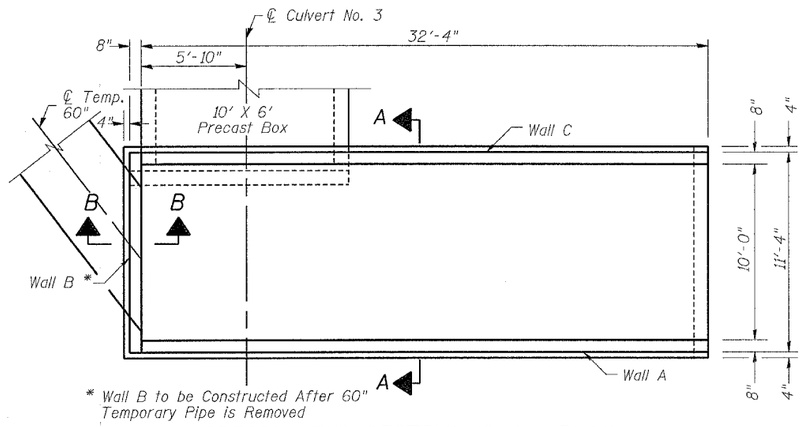
GENERAL PLAN
US RTE 52 / IL RTE 64
CULVERT NO. 3 **(M273)**
F.A.P. RTE 17 SECTION (1,2)RS & (3-1)RS-1
CARROLL COUNTY
STA. 1001+58 (QUARRY RD.)

PLOT DATE = 3/13/2007
FILE NAME = D:\CAD\1863330PB\1287480CULV3.dgn
PLOT SCALE = 8SCALE8
USER NAME = 81SCER

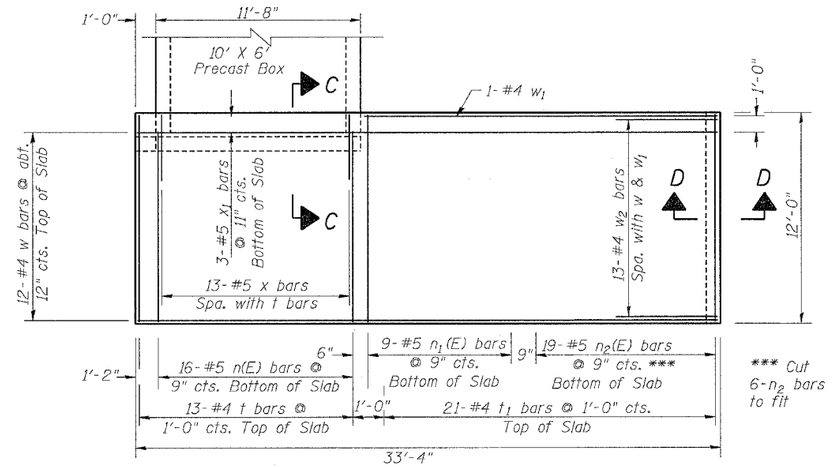
CONTRACT NO. 64560

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	CARROLL	548	182
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* ROUTE 17 (US 52 / IL 64)
** (1,2)RS & (3,1)RS-1



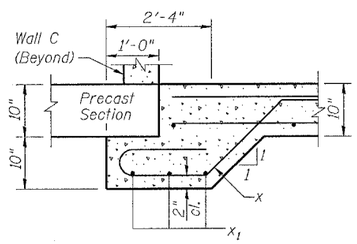
SPECIAL END SECTION NO. 1 - PLAN



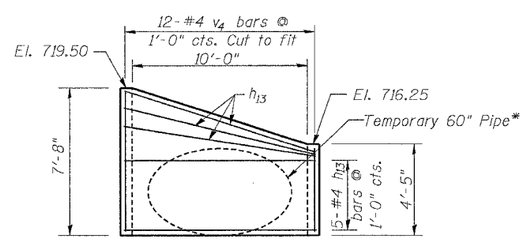
BOTTOM SLAB

BILL OF MATERIAL

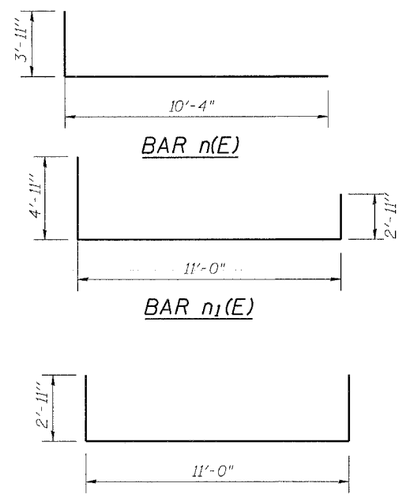
Bar	No.	Size	Length	Shape
h	8	#4	17'-6"	
h_1	1	#4	14'-9"	
h_2	1	#4	6'-9"	
h_3	1	#4	4'-5"	
h_4	1	#4	8'-4"	
h_5	1	#4	14'-5"	
h_6	8	#4	11'-0"	
h_7	1	#4	10'-9"	
h_8	1	#4	7'-8"	
h_9	1	#4	4'-8"	
h_{10}	1	#4	13'-9"	
h_{11}	1	#4	12'-10"	
h_{12}	1	#4	20'-11"	
h_{13}	8	#4	11'-0"	
h_{14}	1	#4	11'-5'	
n(E)	16	#5	14'-3"	
n_1(E)	9	#5	18'-10"	
n_2(E)	19	#5	16'-10"	
t	13	#4	10'-8"	
t_1	21	#4	11'-8"	
v	13	#5	7'-11"	
v_1	18	#5	5'-5"	
v_2	5	#5	4'-4"	
v_3	8	#5	3'-1"	
v_4	12	#5	7'-4"	
w	12	#4	33'-0"	
w_1	1	#4	20'-4'	
w_2	13	#4	4'-4"	
x	13	#5	8'-2"	
x_1	3	#5	12'-4"	
Concrete Box Culverts			Cu. Yd.	20.8
Reinforcement Bars, Epoxy Coated			Pound	749
Reinforcement Bars			Pound	1375

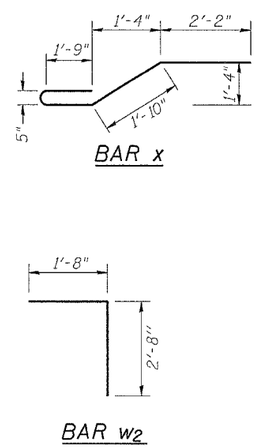


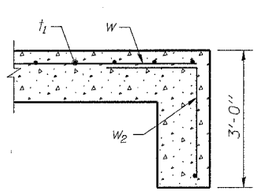
SECTION C-C



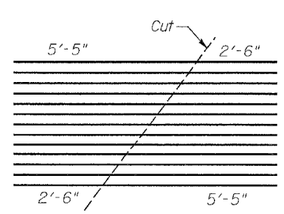
WALL B*
(OUTSIDE FACE)







SECTION D-D



BAR v

NOTES

Reinforcement bars designated (E) shall be epoxy coated.

All construction joints shall be bonded.

Bars indicated thus 4 x 2 - #4 indicates 4 lines of bars with 2 lengths per line.

For elevations of Wall A & C as well as sections A-A and B-B, see next sheet.

SPECIAL END SECTION NO. 1
US RTE 52 / IL RTE 64
F.A.P. RTE 17 SECTION (1,2)RS & (3-1)RS-1
CARROLL COUNTY
STA. 1001+58 (QUARRY RD.)

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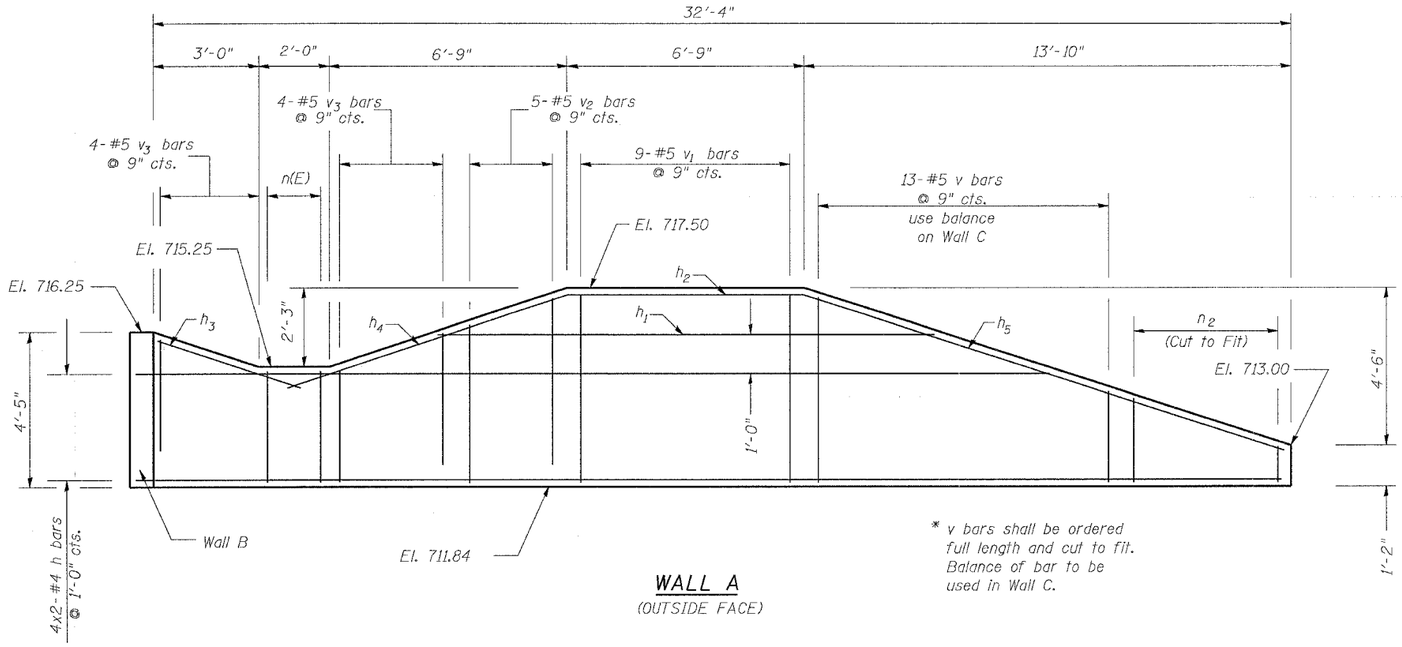
USER NAME = bushmanbo

CONTRACT NO. 64560

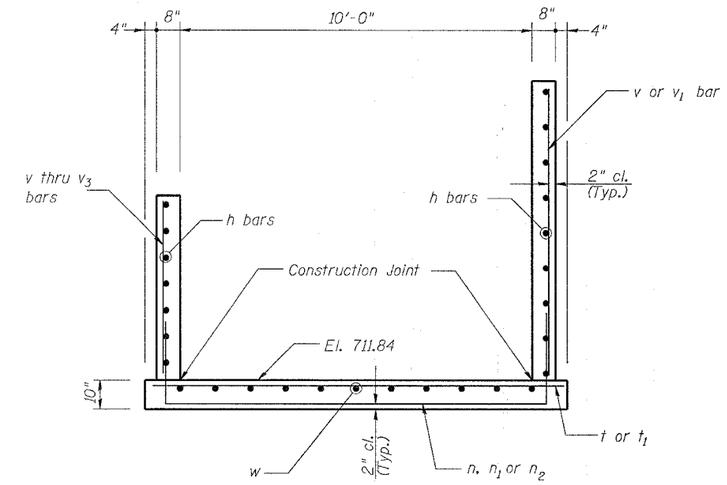
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	CARROLL	548	183
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

*ROUTE 17 (US 52 / IL 64)
**(1,2)RS & (3,1)RS-1

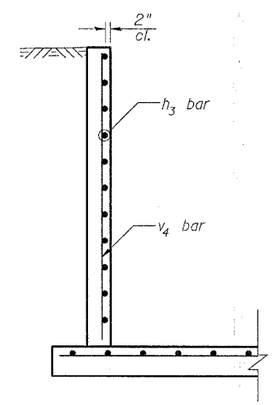


WALL A
(OUTSIDE FACE)

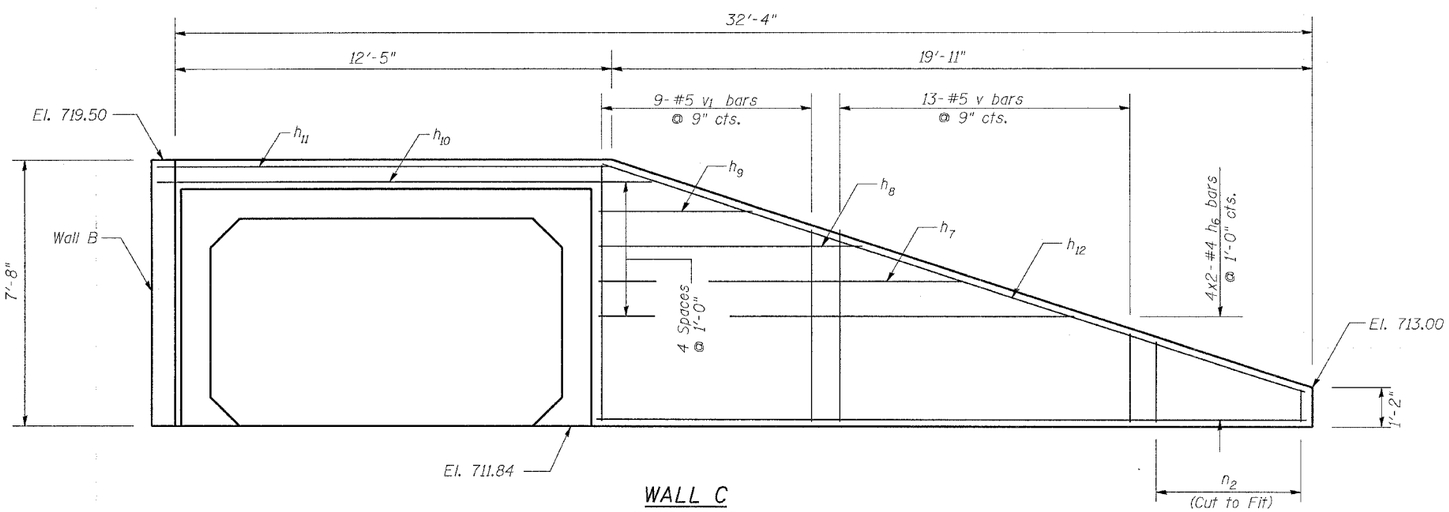
* v bars shall be ordered full length and cut to fit. Balance of bar to be used in Wall C.



SECTION A-A



SECTION B-B



WALL C
(INSIDE FACE)

SPECIAL END SECTION NO. 1
US RTE 52 / IL RTE 64
F.A.P. RTE 17 SECTION (1,2)RS & (3-1)RS-1
CARROLL COUNTY
STA. 1001+58 (QUARRY RD.)

PLOT DATE = Fri Mar 23 10:00:48 2007
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CONTRACT NO. 64560

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	CARROLL	548	184
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

*ROUTE 17 (US 52 / IL 64)
**(1,2)RS & (3,)RS-1

1. SEE TITLE SHEET FOR TRAFFIC CONTROL STANDARDS TO BE USED FOR MAINTENANCE OF TRAFFIC.

2. PLACEMENT OF TEMPORARY CONCRETE BARRIERS, IMPACT ATTENUATORS, TEMPORARY SIGNALS, DRUMS WITH STEADY BURNING LIGHTS, AND STOP BARS SHALL BE AS SHOWN, PLACEMENT OF OTHER TRAFFIC CONTROL ITEMS SHALL BE PER STANDARD 701321.

3. ONLY DRUMS SHALL BE ALLOWED TO DELINEATE THE 150' TAPER EXTENDING FROM THE IMPACT ATTENUATORS TO STOP BARS. BARRICADES OR VERTICAL PANELS SHALL NOT BE USED AT THESE LOCATIONS.

4. TRAFFIC CONTROL DEVICES ARE TO BE PLACED IN SUCH A MANNER AS TO ALLOW CONTINUOUS ACCESS TO THE PRIVATE ENTRANCE LOCATED AT STA. 447+50 RT.

5. DETECTOR LOOPS SHALL BE USED FOR CONTROL OF THE SIGNALS FOR TRAFFIC EASTBOUND ON US 52/IL 64, WESTBOUND ON US 52/IL 64, AND FOR TRAFFIC SOUTHBOUND ON QUARRY ROAD. THIS SHALL BE A THREE-PHASE CONTROL.

6. THE COST OF PROVIDING, INSTALLING AND MAINTAINING TYPE III BARRICADES AT THE LOCATIONS SHOWN ON THE PLANS SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION STANDARD 701321.

STAGE I

TRAFFIC: LEAVE EXISTING TRAFFIC ON EXISTING ROADWAYS.

1. BUILD FLOOR AND WALLS "A" AND "C" AS SHOWN ON SPECIAL END SECTION NO. 1 ON THE CULVERT AT STA. 1001+58 UNDER PROPOSED QUARRY ROAD. ATTACH THE FIRST 6' SECTION OF 10' X 6' PRECAST BOX CULVERT.

2. TEMPORARILY PLUG 10' X 6' CULVERT OPENING TO THE WEST. PLUG INSTALLATION AND REMOVAL INCIDENTAL TO PRECAST CONCRETE BOX CULVERT 10' X 6'.

3. REMOVE THE HEADWALL AS SHOWN ON THE NORTH END SECTION OF THE EXISTING CULVERT AT STA. 449+90.

4. MITER AND INSTALL 45' OF TEMPORARY 60" CMP FROM THE NORTH END OF THE EXISTING BOX CULVERT TO THE SOUTH OPENING OF SPECIAL END SECTION NO. 1 REDIRECTING STORM WATER RUN OFF WITH DITCHES INTO THE END SECTION. TEMPORARY MEASURES TO KEEP STORM WATER IN THIS TEMPORARY 60" CMP CULVERT ARE THE CONTRACTOR'S RESPONSIBILITY. THE CONTRACTOR WILL BE RESPONSIBLE FOR PROPER REMOVAL AT SUBSEQUENT PHASES OF TEMPORARY MEASURES.

5. INSTALL 78' OF ADDITIONAL 10' X 6' PRECAST BOX CULVERT TO THE WEST.

6. WEST END OF 10' X 6' PRECAST BOX CULVERT SHALL BE BULKHEADED AND BURIED TO MAINTAIN EXISTING GROUND ELEVATION.

STAGE IA

TRAFFIC: SAME AS STAGE I, SHIFT TRAFFIC TO NEW QUARRY RD.

1. BUILD PROPOSED QUARRY ROAD TO THE LIMITS SHOWN (SURFACE COURSE TO BE COMPLETED IN STAGE IV) AND TRANSFER TRAFFIC TO NEW QUARRY ROAD.

2. CONSTRUCT TEMPORARY WIDENING (AS DETAILED IN THE TYPICAL FOR TEMPORARY WIDENING) TO THE NORTH SIDE OF US 52/IL 64 FROM STA. 444+25 TO STA 448+70 (OMITTING BRIDGE) TO PROVIDE A MINIMUM 12' TRAVEL LANE UTILIZING TRAFFIC CONTROL STANDARD 701321.

3. REMOVE AND REINSTALL GUARDRAIL AND TERMINAL SECTION STA. 447+07 TO STA. 448+07 COINCIDE WITH TEMPORARY WIDENING.

STAGE II

TRAFFIC: ON NEW QUARRY ROAD.

1. INSTALL TRAFFIC CONTROL AND TEMPORARY SIGNALS ACCORDING TO STANDARD 701321. CONTRACTOR TO SUBMIT THREE LEG TEMPORARY SIGNAL TIMING AND PHASING TO ENGINEER FOR REVIEW PRIOR TO INSTALLATION.

2. ONCE TRAFFIC IS UNDER TEMPORARY SIGNALS, REMOVE ALL GUARDRAIL RIGHT, REMOVE PAVEMENT AS SHOWN AND THE SOUTH SECTION OF THE EXISTING CULVERT AT STA. 446+65 AS SHOWN. REMOVE THE EXISTING BRIDGE BEAMS AT STA. 448+50.69 AS SHOWN IN THE TYPICAL SECTION.

3. CONSTRUCTION OF THE BOX CULVERTS SHALL BE STAGED SUCH THAT ACCESS TO THE FARM ENTRANCE STA. 447+50 RT. IS MAINTAINED AT ALL TIMES. THIS ACCESS CAN COME FROM THE EAST OR THE WEST, BUT MUST BE MAINTAINED AND BE WIDE ENOUGH TO ACCOMMODATE ALL VEHICLES AND FARM EQUIPMENT THAT NEED TO USE THIS ACCESS.

4. EXCAVATE AS NECESSARY TO CONSTRUCT THE SOUTH HALF OF THE CULVERT AT STA. 446+65. INSTALL THE 9' X 8' PRECAST CONCRETE BOX CULVERT SECTIONS AT STA. 446+65 AND THE 7' X 7' PRECAST CONCRETE BOX CULVERT SECTIONS AT STA. 448+50.69 TO THE LIMITS SHOWN FOR STAGE II CONSTRUCTION AND THE RESPECTIVE END SECTIONS, GEOTEXTILE RETAINING WALL, TRENCH BACKFILL AND CLASS B PATCH.

5. PRIOR TO STAGE III CONSTRUCT TEMPORARY WIDENING (AS DETAILED IN THE TYPICAL FOR TEMPORARY WIDENING) TO THE SOUTH SIDE OF US 52/IL 64 FROM STA. 444+44 TO STA. 450+56 TO PROVIDE A MINIMUM 12' TRAVEL LANE UTILIZING TRAFFIC CONTROL STANDARD 701321.

STAGE III

1. RELOCATE TRAFFIC CONTROL AND TEMPORARY CONCRETE BARRIER AS SHOWN ON THE STAGE III DETAILS AND SHIFT TRAFFIC.

2. REMOVE ALL GUARDRAIL LEFT (ALONG "OLD" QUARRY RD) AND THE TEMPORARY WIDENING AS SHOWN IN THE TYPICALS. REMOVE THE PAVEMENT AS SHOWN, THE REMAINING NORTH HALF OF THE CULVERT AT STA. 446+65 AND THE REMAINING BEAMS FROM THE BRIDGE AT STA. 448+50.69.

3. CONSTRUCT THE NORTH HALF OF THE 9' X 8' PRECAST CONCRETE BOX CULVERT AT STA. 446+65 AND THE 7' X 7' PRECAST CONCRETE BOX CULVERT AT STA. 448+50.69. CONSTRUCT THE END SECTIONS AND WING DAM LT., THE REMAINDER OF THE TRENCH BACKFILL AND CLASS B PATCH. MAINTAIN ACCESS AND SIGHT DISTANCES TO ENTRANCE STA. 447+50 RT. TURNING RADII FOR THE FARM EQUIPMENT SHALL BE ACCOMMODATED.

4. REMOVE EXISTING QUARRY ROAD AND INSTALL THE REMAINING SECTIONS OF THE 10' X 6' PRECAST CONCRETE BOX CULVERT AT STA. 1001+58 (QUARRY RD.) AND INSTALL THE PRECAST CONCRETE END SECTION ON THE WING DAM CONSTRUCTED FOR THE CULVERT AT STA. 448+50.69.

STAGE IV

1. SEE TITLE SHEET FOR TRAFFIC CONTROL STANDARDS TO BE USED FOR MAINTENANCE OF TRAFFIC..

2. REMOVE THE TEMPORARY WIDENING RIGHT SOUTH OF A LINE 18' RIGHT OF CENTERLINE.

3. REMOVE THE CONCRETE HEADWALL RT. STA. 449+90.

4. REMOVE THE TEMPORARY PLUG IN THE 10' X 6' CULVERT OPENING PLACED IN STAGE I, REMOVE A PORTION OF THE 60" TEMPORARY PIPE. REMOVAL INCIDENTAL TO PIPE CULVERTS, TYPE 2, 60" (TEMPORARY). BUILD WALL "B" ON SPECIAL END SECTION NO. 1

5. FILL EXISTING CULVERT AT STATION 449+90 AND FILL REMAINING PORTION OF THE 60" TEMPORARY PIPE AS SPECIFIED IN THE SPECIAL PROVISIONS.

6. COMPLETE THE BITUMINOUS RESURFACING, SHOULDER CONSTRUCTION, GUARDRAIL PLACEMENT, AND PAVEMENT STRIPING.

7. CONSTRUCT THE PROPOSED DRIVEWAYS AT STA. 445+84 RT. AND 447+50 RT.

8. COMPLETE THE BITUMINOUS SURFACE COURSE AND PAVEMENT STRIPING ON QUARRY ROAD.

STAGING KEY

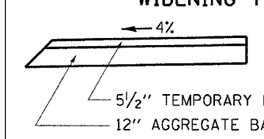
IMPACT ATTENUATOR

TRAFFIC FLOW

TYPE 3 BARRICADE

TEMPORARY SIGNAL

WIDENING TYPICAL



- 2½" BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "C", N50
  3" BITUMINOUS CONCRETE BINDER COURSE, SUPERPAVE, IL - 19.0, N50

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
STAGING NOTES

SCALE: VERT. HORIZ.
DATE

DRAWN BY
CHECKED BY

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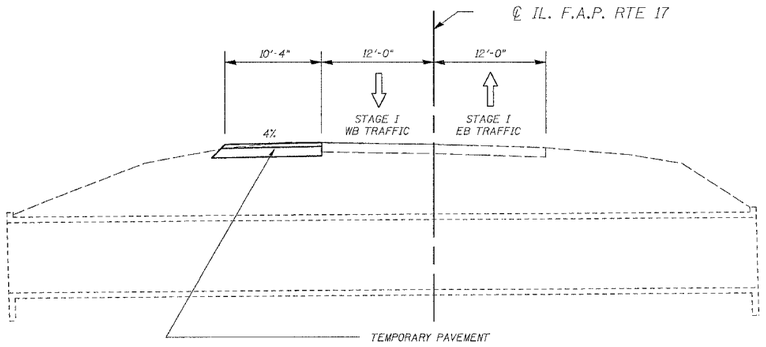
CONTRACT NO. 64560

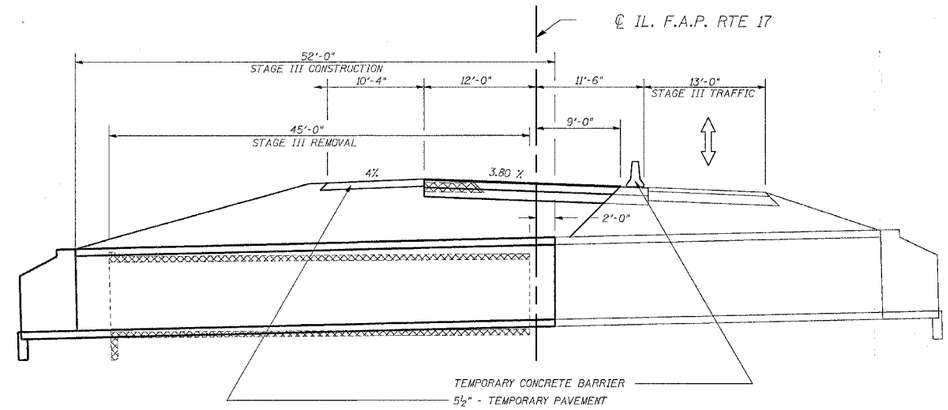
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	CARROLL	548	185
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* ROUTE 17 (US 52 / IL 64)
** (1,2)RS & (3,1)RS-1



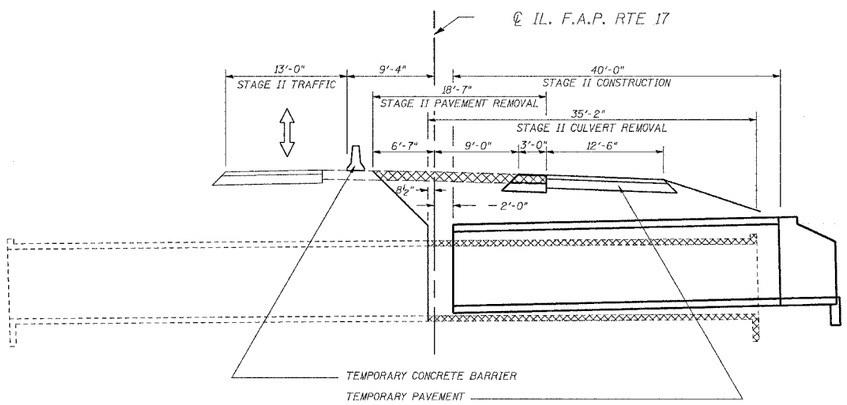
STAGE IA CONSTRUCTION

ALL DIMENSIONS MEASURED PERPENDICULAR TO ℄ OF ROADWAY



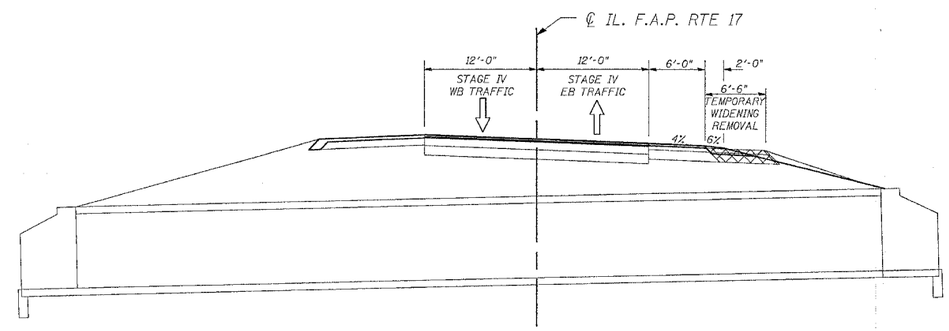
STAGE III REMOVAL AND CONSTRUCTION

ALL DIMENSIONS MEASURED PERPENDICULAR TO ℄ OF ROADWAY



STAGE II REMOVAL AND CONSTRUCTION

ALL DIMENSIONS MEASURED PERPENDICULAR TO ℄ OF ROADWAY



STAGE IV CONSTRUCTION

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
CONSTRUCTION STAGING
US RTE 52 / IL RTE 64
CULVERT NO. 1
F.A.P. RTE 17 SECTION (1,2)RS & (3-1)RS-1
CARROLL COUNTY
STA. 446+65

SCALE: VERT. HORIZ.
DATE
DRAWN BY
CHECKED BY

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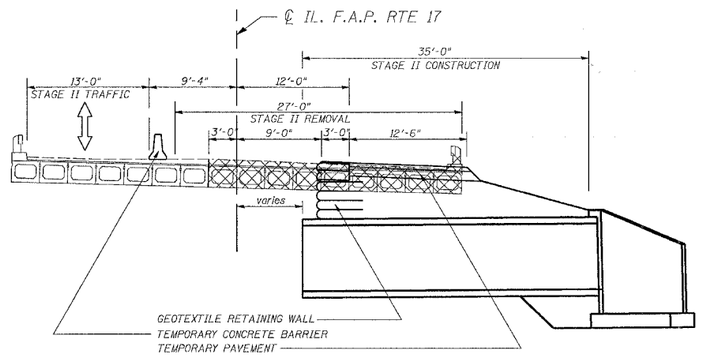
CONTRACT NO. 64560

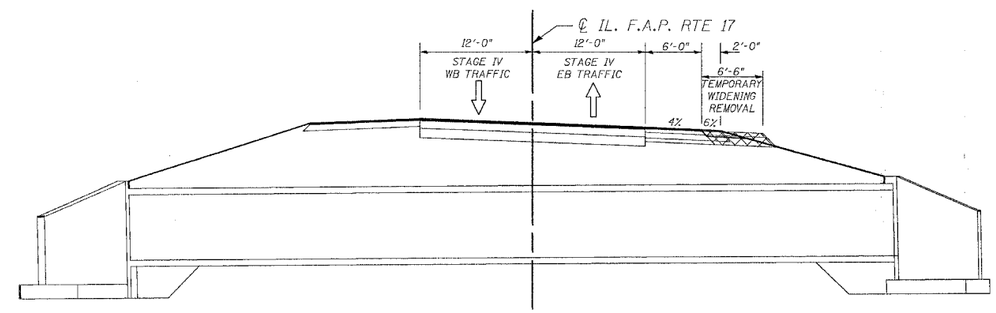
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	CARROLL	548	186
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

*ROUTE 17 (US 52 / IL 64)
**(1,2)RS & (3,1)RS-1

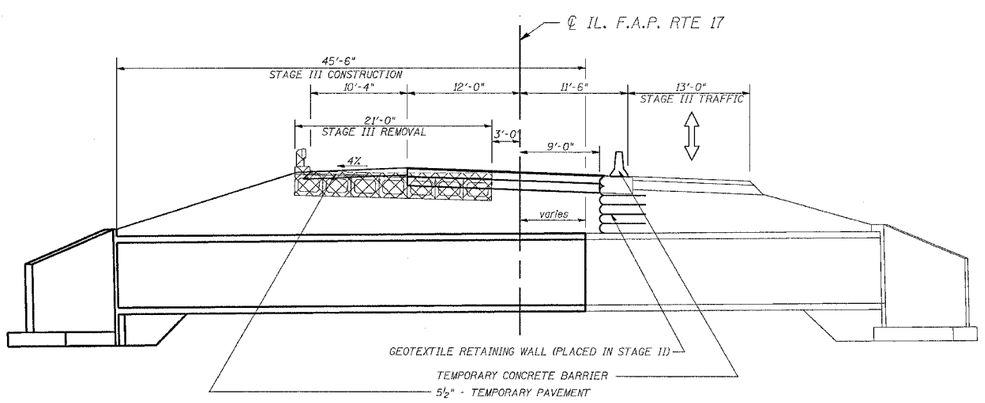


STAGE II REMOVAL AND CONSTRUCTION

ALL DIMENSIONS MEASURED PERPENDICULAR TO ℄ OF ROADWAY



STAGE IV CONSTRUCTION



STAGE III REMOVAL AND CONSTRUCTION

ALL DIMENSIONS MEASURED PERPENDICULAR TO ℄ OF ROADWAY

Note: No Construction or Removal of Culvert No. 2 during Stage I.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
CONSTRUCTION STAGING
US RTE 52 / IL RTE 64
CULVERT NO. 2
F.A.P. RTE 17 SECTION (1,2)RS & (3-1)RS-1
CARROLL COUNTY
STA. 448+50.69

SCALE: VERT. HORIZ.
DATE
DRAWN BY
CHECKED BY

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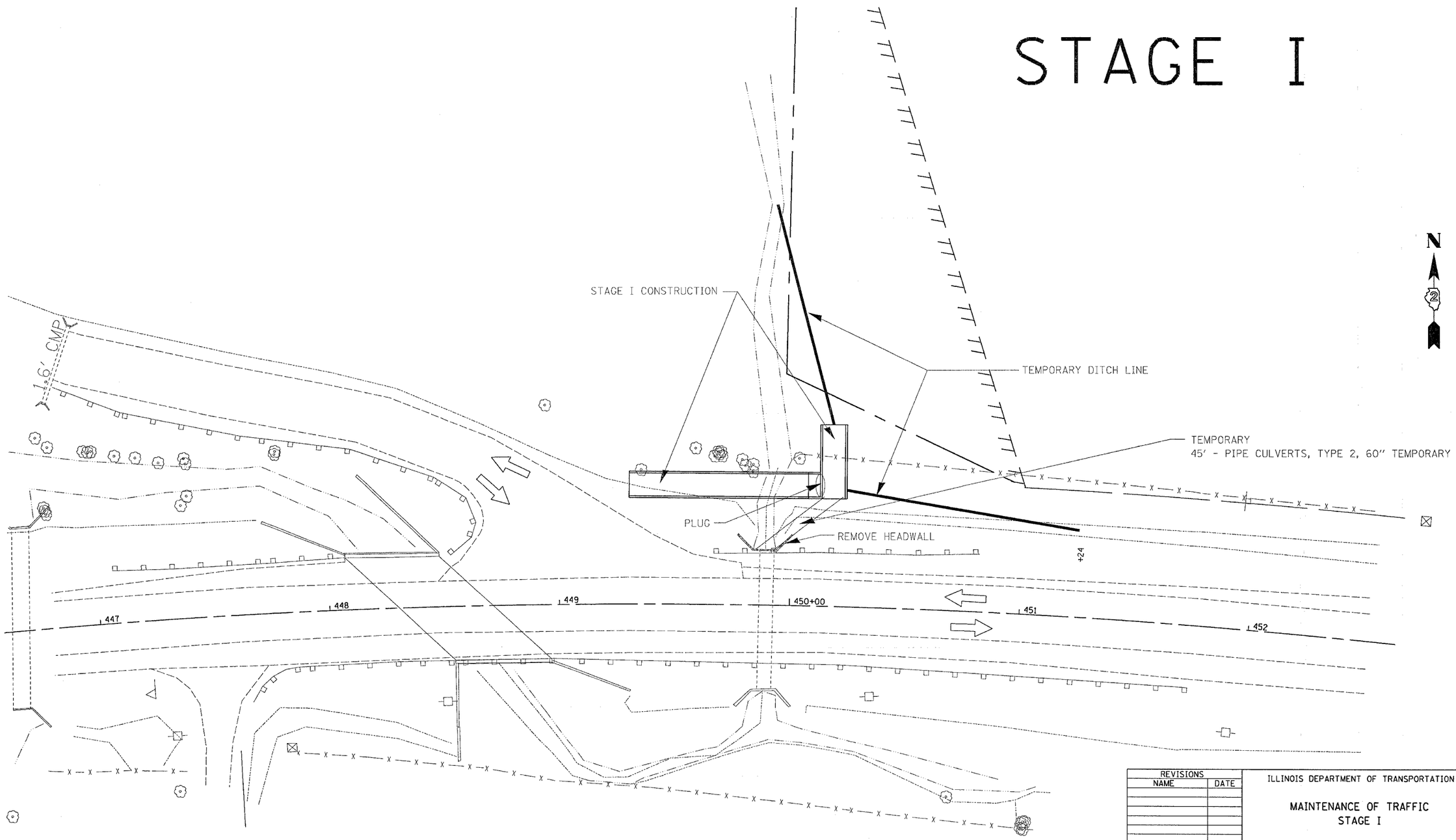
CONTRACT NO. 64560

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	CARROLL	548	187
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

*ROUTE 17 (US 52 / IL 64)
**(1,2)RS & (3,1)RS-1

STAGE I



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
STAGE I

SCALE: VERT. HORIZ.
DATE

DRAWN BY
CHECKED BY

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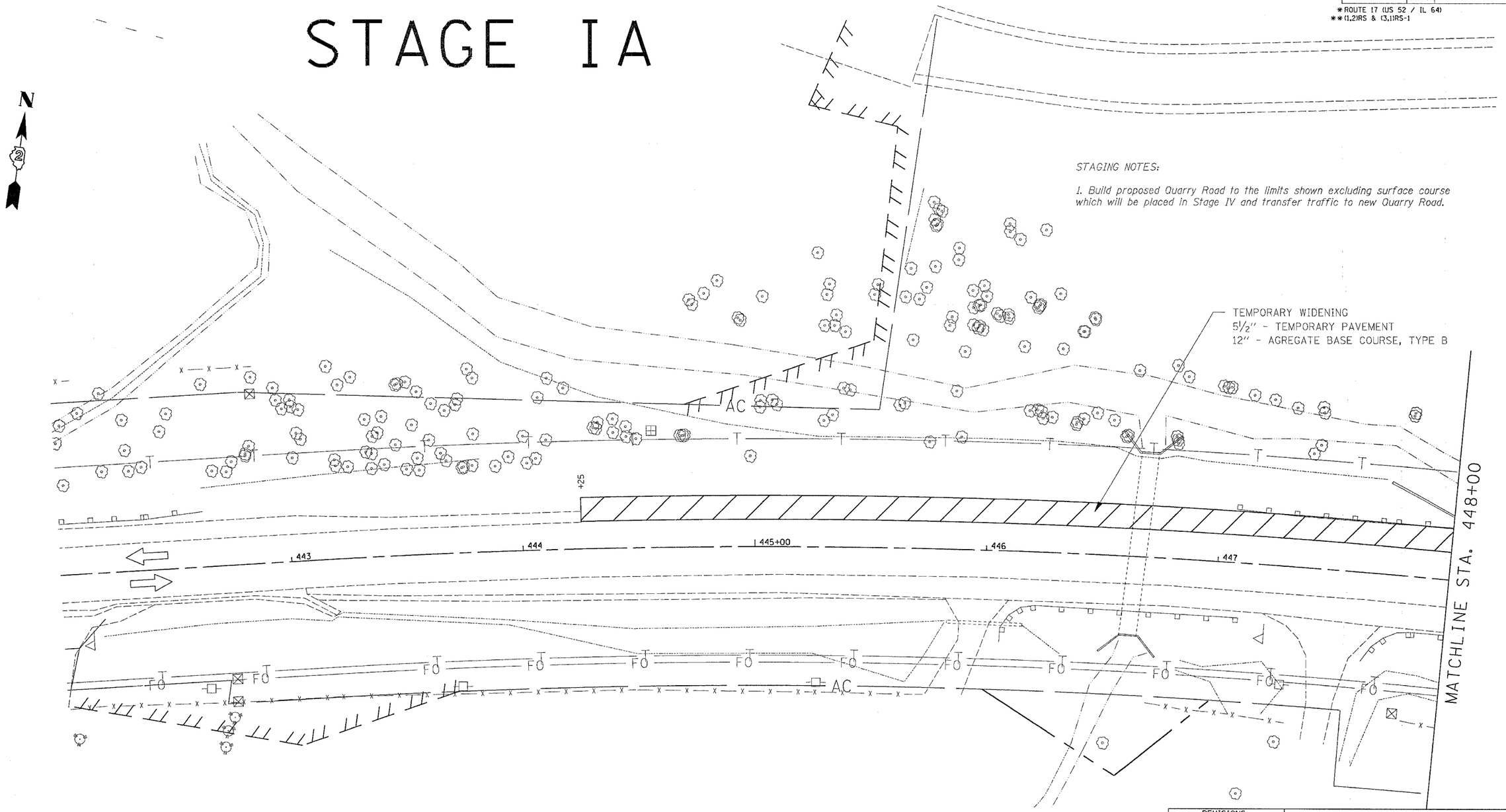
CONTRACT NO. 64560

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	CARROLL	548	188
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

*ROUTE 17 (US 52 / IL 64)
**(1,2)RS & (3,1)RS-1

STAGE IA



STAGING NOTES:

1. Build proposed Quarry Road to the limits shown excluding surface course which will be placed in Stage IV and transfer traffic to new Quarry Road.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
STAGE IA
SHEET 1 OF 2

SCALE: VERT. HORIZ.
DATE
DRAWN BY
CHECKED BY

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CONTRACT NO. 64560

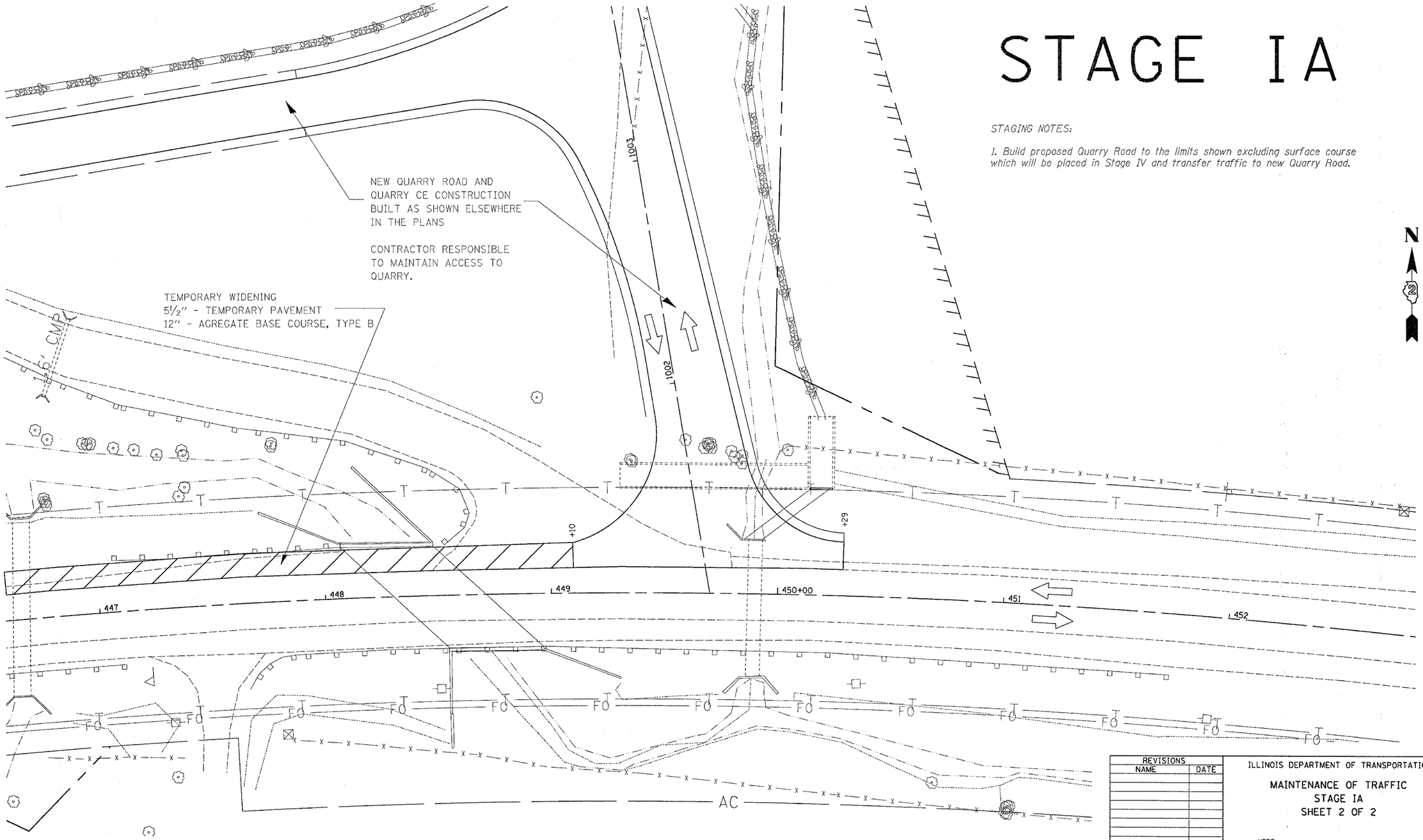
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	CARROLL	548	189
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* ROUTE 17 (US 52 / IL 64)
** (1,2)RS & (3,1)RS-1

STAGE IA

STAGING NOTES:

1. Build proposed Quarry Road to the limits shown excluding surface course which will be placed in Stage IV and transfer traffic to new Quarry Road.



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
STAGE IA
SHEET 2 OF 2

SCALE: VERT. HORIZ.
DATE
DRAWN BY
CHECKED BY

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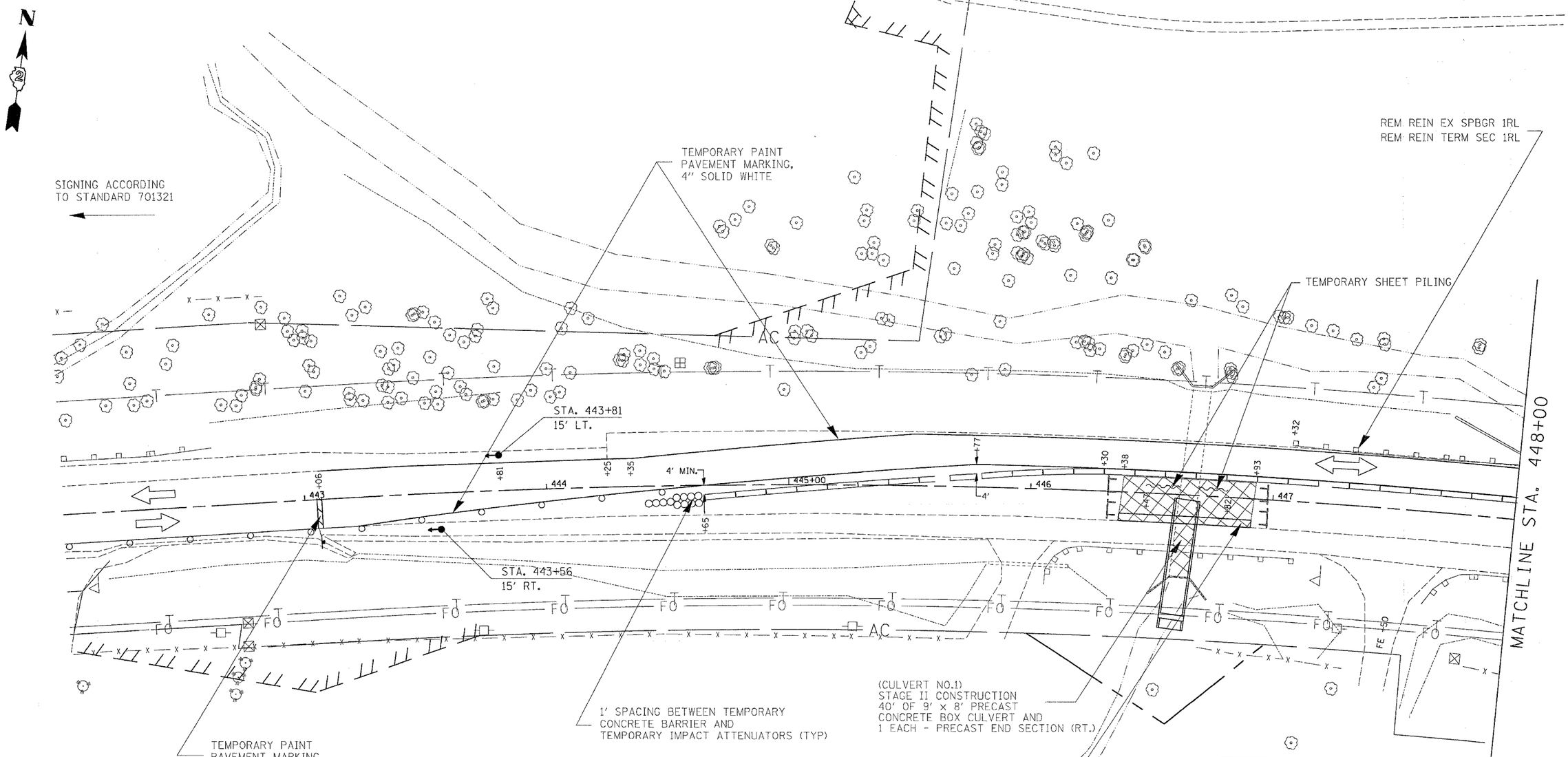
USER NAME = cushmanbw

CONTRACT NO. 64560

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	CARROLL	548	190
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* ROUTE 17 (US 52 / IL 64)
** (1,2)RS & (3,1)RS-1

STAGE II



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
STAGE II
SHEET 1 OF 2

SCALE: VERT. HORIZ.
DATE
DRAWN BY
CHECKED BY

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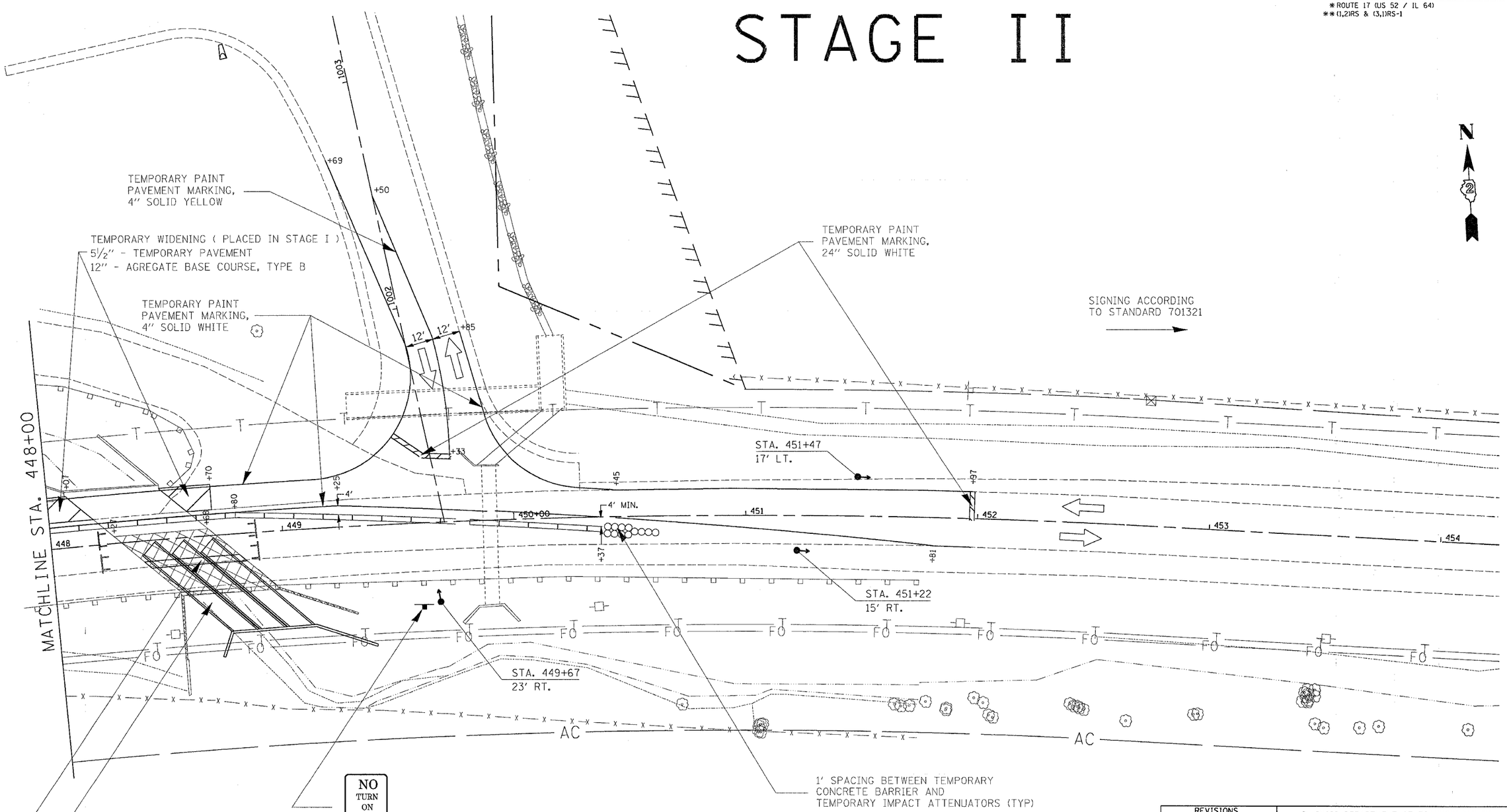
CONTRACT NO. 64560

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	CARROLL	548	191
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* ROUTE 17 (US 52 / IL 64)
** (1,2)RS & (3,1)RS-1

STAGE II



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
STAGE II
SHEET 2 OF 2

SCALE: VERT. HORIZ.
DATE
DRAWN BY
CHECKED BY

PLOT DATE = Fri Mar 23 10:19:15 2007
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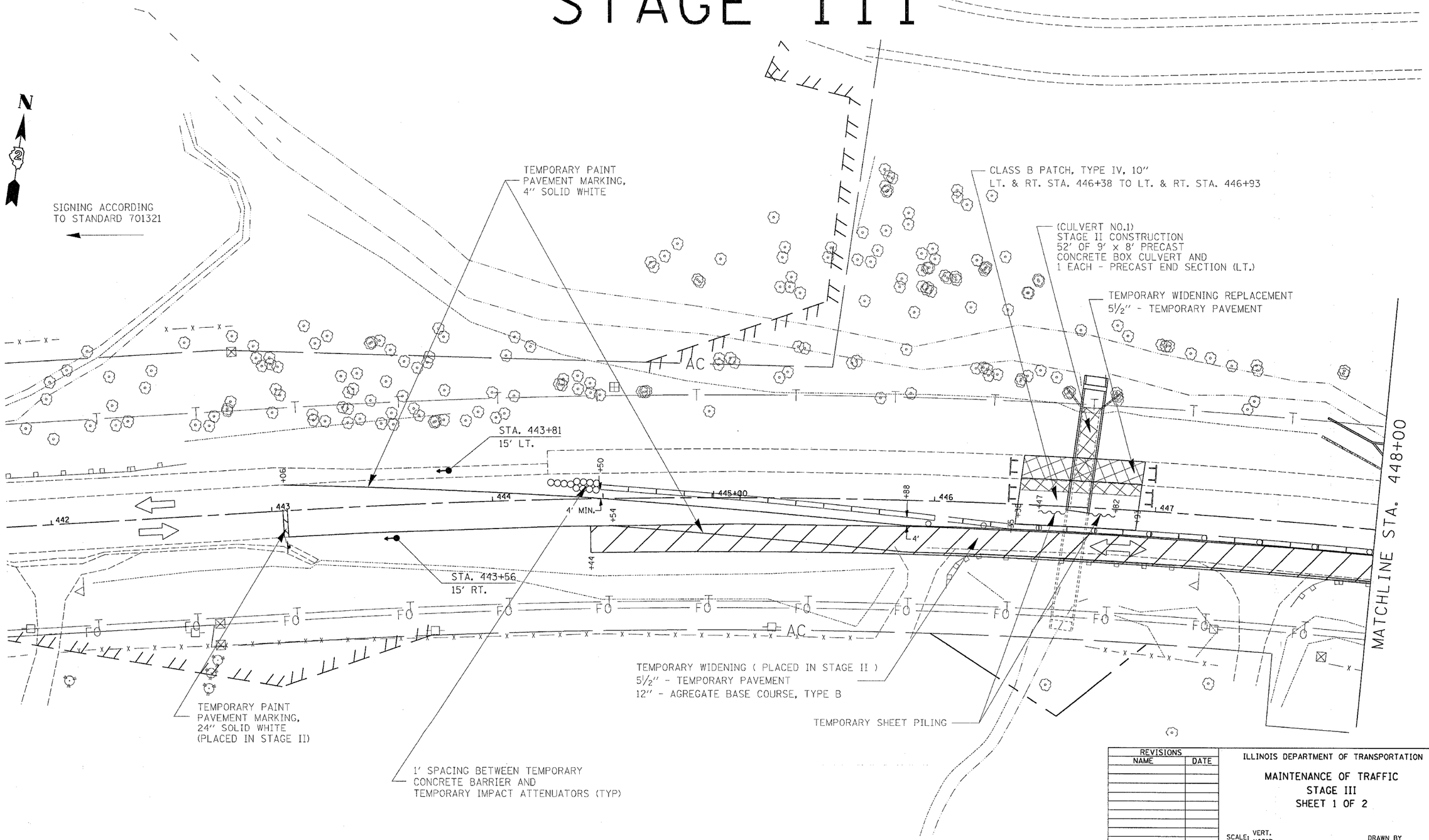
PLOT SCALE = 20.0000 ' / IN.
USER NAME = cushmanbw

CONTRACT NO. 64560

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	CARROLL	548	192
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

*ROUTE 17 (US 52 / IL 64)
**(1,2)RS & (3,1)RS-1

STAGE III



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
STAGE III
SHEET 1 OF 2

SCALE: VERT.
HORIZ.
DATE

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CHECKED BY

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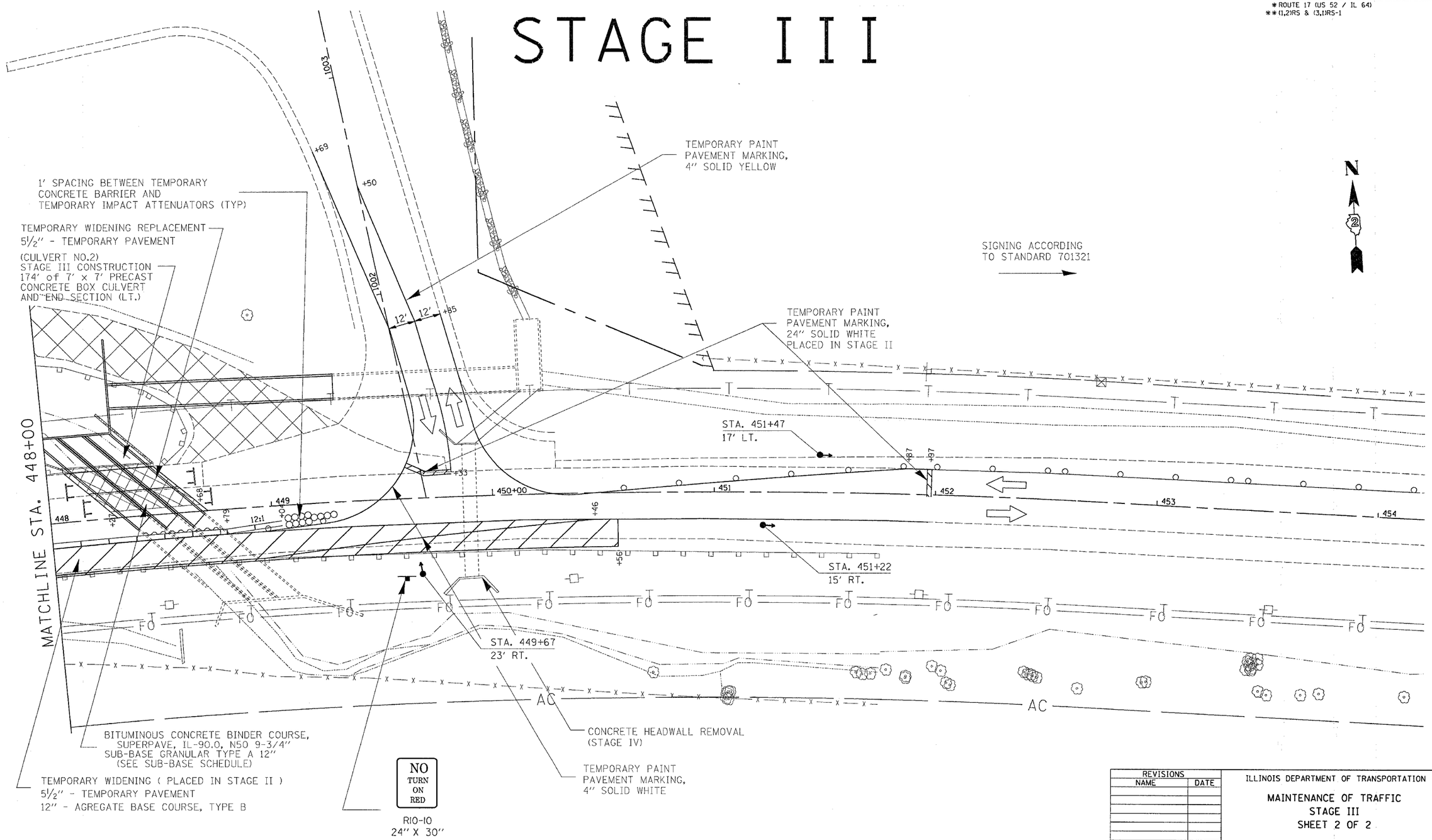
CONTRACT NO. 64560

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	CARROLL	548	193
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* ROUTE 17 (US 52 / IL 64)
** (1,2)RS & (3,1)RS-1

STAGE III



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
STAGE III
SHEET 2 OF 2

SCALE: VERT. HORIZ.
DATE
DRAWN BY
CHECKED BY

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

CONTRACT NO. 64560

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	CARROLL	548	194
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* ROUTE 17 (US 52 / IL 64)
** (1,2)RS & (3-1)RS-1

BORING LOGS

Illinois Department of Transportation
Division of Highways
IDOT

SOIL BORING LOG

Page 1 of 1

Date 9/12/03

ROUTE FAP 17 DESCRIPTION P92-074-00 Retaining wall at Dauphin Road - south side of US 52/IL 64 LOGGED BY C. Jenkins

SECTION (1, 2, 3-1) RS LOCATION Savanna Twp. - SE, SEC. 1, TWP. 24N, RNG. 3E

COUNTY Carroll DRILLING METHOD Hollow Stem Auger HAMMER TYPE B-53

STRUCT. NO.
Station

BORING NO. B-1a
Station 245+50
Offset 24.00ft Rt CL
Ground Surface Elev. 99.3 ft

Surface Water Elev. None ft
Stream Bed Elev. None ft

Groundwater Elev.:
First Encounter None ft
Upon Completion None ft
After ___ Hrs. ___ ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Gravel MEDIUM brown SILTY LOAM				0.7 P	19
	96.30				
STIFF gray/black SILTY CLAY			6 5 7	1.6 B	20
	94.80	-5			
VERY STIFF gray SILTY LOAM			2 5 6	2.5 B	19
	92.30				
VERY STIFF gray SILTY LOAM			2 5 7	2.4 P	21
	89.80	-10			
VERY STIFF gray/green SILTY LOAM			4 6 6	3.5 B	19
	87.30				
Same as above with ORGANICS			5 6 7	3.2 P	20
	84.80	-15			
VERY STIFF gray/green SILTY LOAM TILL			5 8 8	3.3 S	17
	82.30				
End of Boring		-20			

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

BBS, from 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
IDOT

SOIL BORING LOG

Page 1 of 1

Date 9/11/03

ROUTE FAP 17 DESCRIPTION P92-074-00 Culvert on US 52, culvert 250' west of Quarry Road LOGGED BY C. Jenkins

SECTION (1, 2, 3-1) RS LOCATION Mt. Carroll Twp. - SW, SEC. 10, TWP. 24N, RNG. 4E

COUNTY Carroll DRILLING METHOD Hollow Stem Auger HAMMER TYPE B-53

STRUCT. NO.
Station 446+65

BORING NO. B-1b
Station 446+75
Offset 16.00ft Rt CL
Ground Surface Elev. 99.3 ft

Surface Water Elev. 84.3 ft
Stream Bed Elev. 84.0 ft

Groundwater Elev.:
First Encounter 83.8 ft ▼
Upon Completion 86.8 ft ▽
After ___ Hrs. ___ ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Gravel MEDIUM brown SILTY LOAM with GRAVEL				0.9 P	16
	96.30				
MEDIUM gray/brown SILTY LOAM with GRAVEL, CHERT & LIMESTONE			11 20 13	0.6 P	12
	94.80	-5			
SOFT black SILTY LOAM with GRAVEL over broken CONCRETE			6 3 100/3" PEN	0.3 P	14
	92.30				
SOFT black SILTY LOAM with GRAVEL			2 3 6	0.3 S	22
	89.80	-10			
SOFT black SILTY LOAM with GRAVEL and broken CONCRETE			2 4 4	0.3 P	36
	87.30	▽			
Same as above			1 2 3	0.3 P	21
	84.80	-15			
		▼			
SOFT black SILTY LOAM with GRAVEL and LIMESTONE fragments			2 7 8	0.3 B	44
	82.30				
MEDIUM tan SANDY SILT with LIMESTONE fragments			4 3 5	0.5 P	28
	79.30	-20			
MEDIUM tan weathered LIMESTONE			6 4 8		
	77.30				
LOOSE tan weathered LIMESTONE			7 4 4		
	75.30	-25			
VERY DENSE gray weathered LIMESTONE Auger Refusal at 26.7'	72.60		7 100/5" PEN		
End of Boring		-30			
		-35			
		-40			

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

BBS, from 137 (Rev. 8-99)

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SCALE: VERT. HORIZ.
DATE
DRAWN BY
CHECKED BY

BORING LOGS

PLOT DATE = Fri Mar 23 06:26:32 2007
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USER NAME = hanscoke

CONTRACT NO. 64560

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	CARROLL	548	195
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* ROUTE 17 (US 52 / IL 64)
** (1,2)RS & (3-1)RS-1

BORING LOGS

Illinois Department of Transportation
Division of Highways
IDOT

SOIL BORING LOG

Page 1 of 2

Date 9/10/03

ROUTE FAP 17 DESCRIPTION P92-074-00 Culvert on US 52, 0.2 m. E. of Seven Hills Road LOGGED BY C. Jenkins

SECTION (1, 2, 3-1) RS LOCATION Mt. Carroll Twp. - SE, SEC. 9, TWP. 24N, RNG. 4E

COUNTY Carroll DRILLING METHOD Hollow Stem Auger HAMMER TYPE B-53

STRUCT. NO.
Station 400+27.5

BORING NO. B-1c
Station 400+15
Offset 13.00ft Rt CL
Ground Surface Elev. 99.4 ft

Surface Water Elev. None ft
Stream Bed Elev. 64.0 ft

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

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
MEDIUM tan SILTY LOAM with GRAVEL	96.40			0.7 P	13
MEDIUM tan weathered LIMESTONE	94.90	-5	13 12 15		
VERY STIFF brown SILTY LOAM with GRAVEL & LIMESTONE fragments	92.40		16 11 8	2.1 S	13
SOFT tan SANDY LOAM with LIMESTONE fragments	89.90	-10	3 3 3	0.4 P	12
Same as above	87.40		5 7 7	0.3 S	11
SOFT tan/gray SILTY LOAM with LIMESTONE fragments	84.90	-15	3 2 3	0.3 S	16
MEDIUM gray/green CLAY LOAM with GRAVEL	81.90		3 4 5	0.9 S	24
STIFF gray SILTY LOAM TILL	79.90	-20	4 5 7	1.2 S	20
STIFF gray/green SILTY CLAY	77.40		3 5 8	2.0 B	22
VERY STIFF gray/green CLAY LOAM	74.90	-25	2 4 5	2.1 S	22
STIFF gray SILT with ORGANICS	72.40		4 7 7	1.3 S	23
STIFF green SILTY CLAY	69.90	-30	4 4 4	1.2 P	23
MEDIUM gray SILT with ORGANICS	67.40		1 1 1	0.6 P	62
STIFF brown SILTY CLAY with 12% ORGANICS	64.90	-35	3 5 6	1.2 S	26
STIFF tan SILTY CLAY	61.90		2 3 5	1.1 P	26
VERY STIFF brown SHALEY CLAY with LIMESTONE fragments	59.90	-40	3 7 11	3.5 B	17

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

BBS, from 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
IDOT

SOIL BORING LOG

Page 2 of 2

Date 9/10/03

ROUTE FAP 17 DESCRIPTION P92-074-00 Culvert on US 52, 0.2 m. E. of Seven Hills Road LOGGED BY C. Jenkins

SECTION (1, 2, 3-1) RS LOCATION Mt. Carroll Twp. - SE, SEC. 9, TWP. 24N, RNG. 4E

COUNTY Carroll DRILLING METHOD Hollow Stem Auger HAMMER TYPE B-53

STRUCT. NO.
Station 400+27.5

BORING NO. B-1c
Station 400+15
Offset 13.00ft Rt CL
Ground Surface Elev. 99.4 ft

Surface Water Elev. None ft
Stream Bed Elev. 64.0 ft

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

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
VERY STIFF purple/brown SHALEY CLAY TILL with LIMESTONE fragments	57.40		7 12 14	3.1 S	18
HARD green/blue SHALEY CLAY	54.90	-45	6 11 17	5.1 S	19
HARD green/blue/tan SHALEY CLAY with LIMESTONE fragments	52.40		8 14 24	5.9 S	19
Same as above	49.90	-50	12 16 34	4.3 S	18
HARD tan/blue SHALEY CLAY	47.40		18 20 32	5.3 S	15
VERY DENSE blue/green SHALE	44.90	-55	38 46 54		
End of Boring		-60	100/12" PEN		

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

BBS, from 137 (Rev. 8-99)

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SCALE: VERT.
HORIZ.
DATE

DRAWN BY
CHECKED BY

BORING LOGS

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USER NAME = herspike

CONTRACT NO. 64560

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	CARROLL	548	196
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* ROUTE 17 (US 52 / IL 64)
** (1,2)RS & (3-1)RS-1

BORING LOGS

Illinois Department of Transportation
Division of Highways
IDOT

SOIL BORING LOG

Page 1 of 2

Date 8/7/03

ROUTE FAP 17 DESCRIPTION P92-074-00 Culvert on US 52, 0.8 m. E. of Scenic Bluff Road LOGGED BY C. Jenkins

SECTION (1, 2, 3-1) RS LOCATION , SEC. , TWP. , RNG.

COUNTY Carroll DRILLING METHOD Hollow Stem Auger HAMMER TYPE B-53

STRUCT. NO.
Station 232+97.5

BORING NO. B-1d
Station 233+11
Offset 18.00ft Rt EB CL
Ground Surface Elev. 100.0 ft

Surface Water Elev. None ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter None ft
Upon Completion Dry ft
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
MEDIUM tan SILTY LOAM				0.6 P	19
MEDIUM tan SILTY LOAM with some GRAVEL	97.00		1 2 3	0.5 P	23
SOFT tan SILTY LOAM TILL	95.50	-5	0 1 2	0.3 B	26
STIFF gray SILTY LOAM TILL with GRAVEL	92.50		4 3 6	1.2 S	21
STIFF gray/green SILTY LOAM	90.00	-10	3 3 6	1.4 P	22
MEDIUM tan SILT	88.00		1 3 4	0.5 S	25
Same as above	85.50	-15	1 2 4	0.5 S	18
Same as above	83.00		3 4 5	0.6 S	16
MEDIUM tan SILT	80.50	-20	1 3 6	0.9 P	21
MEDIUM tan SILT	78.00		1 3 5	0.7 S	24
VERY SOFT tan SILT	75.50	-25	1 3 3	0.2 B	26
SOFT tan SILT	73.00		1 2 6	0.4 B	23
SOFT tan SILT	70.50	-30	0 2 3	0.4 B	25
SOFT tan SILT	68.00		0 2 3	0.3 B	25
MEDIUM gray SILTY LOAM	65.50	-35	0 2 4	0.5 B	24
HARD green CLAY	62.50		0 5 13	4.5 S	22
	60.50	-40			

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

BBS, from 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
IDOT

SOIL BORING LOG

Page 2 of 2

Date 8/7/03

ROUTE FAP 17 DESCRIPTION P92-074-00 Culvert on US 52, 0.8 m. E. of Scenic Bluff Road LOGGED BY C. Jenkins

SECTION (1, 2, 3-1) RS LOCATION , SEC. , TWP. , RNG.

COUNTY Carroll DRILLING METHOD Hollow Stem Auger HAMMER TYPE B-53

STRUCT. NO.
Station 232+97.5

BORING NO. B-1d
Station 233+11
Offset 18.00ft Rt EB CL
Ground Surface Elev. 100.0 ft

Surface Water Elev. None ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter None ft
Upon Completion Dry ft
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
DENSE yellow/gray weathered LIMESTONE	58.00		15 22 17		
VERY DENSE tan weathered LIMESTONE	55.50	-45	12 21 30		
DENSE tan/yellow weathered LIMESTONE	53.00		22 16 21		
End of Boring		-50			
		-55			
		-60			

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

BBS, from 137 (Rev. 8-99)

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SCALE: VERT. HORIZ.
DATE
DRAWN BY
CHECKED BY

PLOT DATE = Fri Mar 23 05:20:35 2007
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USER NAME = hensonke

BORING LOGS

CONTRACT NO. 64560

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	CARROLL	548	197
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* ROUTE 17 (US 52 / IL 64)
** (1,2)RS & (3-1)RS-1

BORING LOGS

Illinois Department of Transportation
Division of Highways
IDOT

SOIL BORING LOG

Page 1 of 2

Date 8/6/03

ROUTE FAP 17 DESCRIPTION P92-074-00 Culvert on US 52, .3 m. E. of Scenic Bluff Road LOGGED BY C. Jenkins

SECTION (1, 2, 3-1) RS LOCATION Savanna Twp. - SW, SEC. 1, TWP. 24N, RNG. 4E

COUNTY Carroll DRILLING METHOD Hollow Stem Auger HAMMER TYPE B-53

STRUCT. NO.
Station 206+56

BORING NO. B-1e
Station 206+42
Offset 19.00ft Rt EB CL
Ground Surface Elev. 99.1 ft

Surface Water Elev. None ft
Stream Bed Elev. 63.0 ft

Groundwater Elev.:
First Encounter 66.1 ft ▼
Upon Completion Wash ft
After ___ Hrs. ___ ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
MEDIUM tan SILTY LOAM (went thru about 6" old concrete)				0.5 P	20
	96.10				
STIFF tan SILTY LOAM			3 3 4	1.2 P	18
	94.60	-5			
STIFF tan/gray SILT			3 2 8	1.5 P	15
	92.10				
VERY STIFF gray/green SILTY CLAY Note: at 10', went another +4" concrete			3 3 5	2.3 S	20
	89.60	-10			
Void under concrete Note: Another 6" concrete			0 0 0		
	87.10				
MEDIUM tan SILTY LOAM			1 2 3	0.7 P	23
	84.60	-15			
STIFF tan SILTY LOAM			3 4 6	1.5 B	22
	82.10				
MEDIUM tan SILTY LOAM			4 4 5	0.6 S	20
	79.60	-20			
MEDIUM tan SILT			2 3 2	0.6 P	18
	77.10				
Same as above			2 3 5	0.6 B	22
	74.60	-25			
SOFT tan SILT			1 3 4	0.3 P	26
	72.10				
MEDIUM tan SILT			1 2 3	0.5 S	27
	69.60	-30			
SOFT gray SILTY LOAM			0 1 3	0.3 B	26
	67.10				
▼ MEDIUM gray SILTY LOAM			0 3 3	0.6 B	26
	64.60	-35			
STIFF blue/green SILTY CLAY			2 3 4	1.6 B	23
	62.10				
VERY STIFF gray CLAY			1 3 4	2.1 B	28
	59.60	-40			

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

BBS, from 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
IDOT

SOIL BORING LOG

Page 2 of 2

Date 8/6/03

ROUTE FAP 17 DESCRIPTION P92-074-00 Culvert on US 52, .3 m. E. of Scenic Bluff Road LOGGED BY C. Jenkins

SECTION (1, 2, 3-1) RS LOCATION Savanna Twp. - SW, SEC. 1, TWP. 24N, RNG. 4E

COUNTY Carroll DRILLING METHOD Hollow Stem Auger HAMMER TYPE B-53

STRUCT. NO.
Station 206+56

BORING NO. B-1e
Station 206+42
Offset 19.00ft Rt EB CL
Ground Surface Elev. 99.1 ft

Surface Water Elev. None ft
Stream Bed Elev. 63.0 ft

Groundwater Elev.:
First Encounter 66.1 ft ▼
Upon Completion Wash ft
After ___ Hrs. ___ ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
VERY STIFF tan SILTY CLAY			3 5 5	2.5 S	32
	57.10				
VERY STIFF tan CLAY			4 4 7	3.2 S	29
	54.60	-45			
STIFF tan CLAY			3 4 5	1.6 S	34
	52.10				
SOFT tan/brown SILTY LOAM			4 4 3	0.3 P	26
	49.60	-50			
STIFF tan/orange SILT			1 3 6	1.3 P	31
	47.10				
Begin Wash HARD tan/mauve SILTY CLAY TILL			2 4 8	4.1 S	27
	44.60	-55			
Wash	43.10		100/4.5" PEN		
VERY DENSE tan weathered LIMESTONE End of Boring at 55' 9 1/2" End of Boring					
		-60			

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

BBS, from 137 (Rev. 8-99)

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SCALE: VERT. HORIZ.
DATE
DRAWN BY
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BORING LOGS

PLOT DATE = Fri Mar 23 09:29:56 2007
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USER NAME = hansonke

CONTRACT NO. 64560

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	CARROLL	548	198
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* ROUTE 17 (US 52 / IL 64)
** (1,2)RS & (3-1)RS-1

BORING LOGS

Illinois Department of Transportation
Division of Highways
IDOT

SOIL BORING LOG

Page 1 of 2

Date 9/3/03

ROUTE FAP 17 DESCRIPTION P92-074-00 Culvert on US 52, 0.4 m. E. of Jacobstown Road LOGGED BY C. Jenkins

SECTION (1, 2, 3-1) RS LOCATION Mt. Carroll Twp. - SW, SEC. 9, TWP. 24N, RNG. 4E

COUNTY Carroll DRILLING METHOD Hollow Stem Auger HAMMER TYPE B-53

STRUCT. NO.
Station 363+52

BORING NO. B-1f
Station 363+38
Offset 15.00ft Lt CL
Ground Surface Elev. 99.2 ft

Surface Water Elev. None ft
Stream Bed Elev. 66.6 ft

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

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
STIFF tan SILTY LOAM				1.2 P	18
	96.20				
STIFF tan/gray SILTY LOAM			4 6 7	1.8 S	18
	94.70	-5			
VERY STIFF tan/gray SILTY LOAM			4 6 7	3.5 S	17
	92.20				
STIFF tan/gray SILTY LOAM			2 4 7	1.8 S	20
	89.70	-10			
VERY STIFF tan/gray SILTY LOAM			3 6 8	2.5 S	20
	87.20				
STIFF tan/gray SILTY LOAM over tan weathered LIMESTONE			4 6 33	1.9 B	20
	84.20	-15			
LOOSE tan weathered LIMESTONE			3 4 5		
	82.20				
MEDIUM tan weathered LIMESTONE			4 8 11		
	79.70	-20			
VERY STIFF tan/gray SILTY CLAY			4 7 9	2.7 S	22
	77.20				
VERY STIFF tan SILTY CLAY			3 5 6	2.3 B	22
	74.70	-25			
STIFF gray SILTY LOAM			2 4 5	1.7 P	25
	72.20				
STIFF gray SILTY LOAM with ORGANICS			2 2 4	1.3 S	31
	69.70	-30			
VERY STIFF gray/green SILTY CLAY			2 3 6	2.3 B	25
	66.70				
MEDIUM tan dirty weathered LIMESTONE			7 9 14		
	64.70	-35			
VERY STIFF tan/green SHALEY CLAY with LIMESTONE fragments			10 10 14	3.1 S	13
	61.70				
HARD tan/green SHALEY CLAY TILL with LIMESTONE fragments			6 10 14	7.2 S	16
	59.70	-40			

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

BBS, from 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
IDOT

SOIL BORING LOG

Page 2 of 2

Date 9/3/03

ROUTE FAP 17 DESCRIPTION P92-074-00 Culvert on US 52, 0.4 m. E. of Jacobstown Road LOGGED BY C. Jenkins

SECTION (1, 2, 3-1) RS LOCATION Mt. Carroll Twp. - SW, SEC. 9, TWP. 24N, RNG. 4E

COUNTY Carroll DRILLING METHOD Hollow Stem Auger HAMMER TYPE B-53

STRUCT. NO.
Station 363+52

BORING NO. B-1f
Station 363+38
Offset 15.00ft Lt CL
Ground Surface Elev. 99.2 ft

Surface Water Elev. None ft
Stream Bed Elev. 66.6 ft

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

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
HARD tan/green SHALEY CLAY TILL with LIMESTONE fragments			4 10 14	4.5 P	13
	56.70				
HARD tan/green SHALEY CLAY with LIMESTONE fragments			4 14 12	5.8 S	15
	54.70	-45			
MEDIUM tan weathered LIMESTONE with a SHALEY CLAY lens			8 12 15		
	52.20				
HARD tan/gray SHALEY CLAY TILL with LIMESTONE fragments			10 14 18	6.6 S	14
	49.70	-50			
End of Boring		-55			
		-60			

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

BBS, from 137 (Rev. 8-99)

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SCALE: VERT. HORIZ.
DATE
DRAWN BY
CHECKED BY

PLOT DATE = Fri Mar 23 06:20:37 2007
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USER NAME = hansorke

BORING LOGS

CONTRACT NO. 64560

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	CARROLL	548	199
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* ROUTE 17 (US 52 / IL 64)
** (1,2)RS & (3-1)RS-1

BORING LOGS

Illinois Department of Transportation
Division of Highways
IDOT

SOIL BORING LOG

Page 1 of 2

Date 8/28/03

ROUTE FAP 17 DESCRIPTION P92-074-00 Culvert on US 52, 1 m. E. of N. Dauphin Road at Roberts Road LOGGED BY C. Jenkins

SECTION (1, 2, 3-1) RS LOCATION Mt. Carroll Twp. - NE, SEC. 7, TWP. 24N, RNG. 4E

COUNTY Carroll DRILLING METHOD Hollow Stem Auger HAMMER TYPE B-53

STRUCT. NO.
Station 301+71

BORING NO. B-1g
Station 301+63
Offset 13.00ft Rt CL
Ground Surface Elev. 99.8 ft

Surface Water Elev. ft
Stream Bed Elev. 78.0 ft

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

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
MEDIUM gray/green SILTY CLAY	97.30			0.6 P	20
MEDIUM tan SILT with LIMESTONE fragments	95.80	-5	3 4 8	0.9 P	20
STIFF tan/brown SILT with LIMESTONE fragments	93.30		8 6 7	1.3 P	13
SOFT tan/gray SILT with LIMESTONE fragments	90.80	-10	3 5 5	0.3 B	23
MEDIUM tan/gray SILT with LIMESTONE fragments	88.30		5 5 5	0.6 P	16
STIFF tan SILT	85.80	-15	1 2 6	1.5 P	27
STIFF gray/tan SILT	83.30		2 2 4	1.1 P	25
MEDIUM tan SILT	80.80	-20	1 2 3	0.5 B	27
VERY SOFT tan SILT	78.30		0 2 2	0.2 B	27
MEDIUM tan SILT	75.80	-25	1 2 4	0.6 B	26
STIFF tan SILT	73.30		1 2 5	1.1 B	26
MEDIUM gray SILT	70.80	-30	1 3 6	0.7 B	24
MEDIUM gray SILTY LOAM	67.80		2 4 7	0.8 P	23
VERY STIFF gray/green SILTY CLAY	65.80	-35	1 3 7	2.3 S	22
VERY STIFF tan/green SHALEY CLAY with a SHALE lens	63.30		7 9 12	3.7 S	21
HARD tan/green SHALEY CLAY	60.80	-40	13 14 21	5.8 S	16

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

BBS, from 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
IDOT

SOIL BORING LOG

Page 2 of 2

Date 8/28/03

ROUTE FAP 17 DESCRIPTION P92-074-00 Culvert on US 52, 1 m. E. of N. Dauphin Road at Roberts Road LOGGED BY C. Jenkins

SECTION (1, 2, 3-1) RS LOCATION Mt. Carroll Twp. - NE, SEC. 7, TWP. 24N, RNG. 4E

COUNTY Carroll DRILLING METHOD Hollow Stem Auger HAMMER TYPE B-53

STRUCT. NO.
Station 301+71

BORING NO. B-1g
Station 301+63
Offset 13.00ft Rt CL
Ground Surface Elev. 99.8 ft

Surface Water Elev. ft
Stream Bed Elev. 78.0 ft

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

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
VERY STIFF tan/gray SILTY CLAY	58.30		9 13 16	3.1 S	16
HARD tan/gray SHALEY CLAY	55.30	-45	12 20 22	4.7 S	15
VERY DENSE tan dirty weathered LIMESTONE with SHALEY CLAY lenses	53.30		19 34 42		
End of Boring		-50			
		-55			
		-60			

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

BBS, from 137 (Rev. 8-99)

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SCALE: VERT. HORIZ.
DATE
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USER NAME = hansonke

BORING LOGS

CONTRACT NO. 64560

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	CARROLL	548	200
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* ROUTE 17 (US 52 / IL 64)
** (1,2)RS & (3-1)RS-1

BORING LOGS

Illinois Department of Transportation
Division of Highways
IDOT

SOIL BORING LOG

Page 1 of 1

Date 8/25/03

ROUTE FAP 17 DESCRIPTION P92-074-00 Culvert on US 52, 0.6 m. E. of N. Dauphin Road LOGGED BY C. Jenkins

SECTION (1, 2, 3-1) RS LOCATION Mt. Carroll Twp. - NE, SEC. 7, TWP. 24N, RNG. 3E

COUNTY Carroll DRILLING METHOD Hollow Stem Auger HAMMER TYPE B-53

STRUCT. NO.
Station 275+17

BORING NO. B-1h
Station 275+06
Offset 13.00ft Rt CL
Ground Surface Elev. 99.5 ft

Surface Water Elev. ft
Stream Bed Elev. 79.0 ft

Groundwater Elev.:
First Encounter Dry ft
Upon Completion None ft
After ___ Hrs. ___ ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
MEDIUM tan SANDY LOAM with GRAVEL				0.5 P	13
	97.00				
MEDIUM tan SANDY LOAM with GRAVEL			6 5 6	0.6 P	12
	95.50	-5			
MEDIUM tan SILT with GRAVEL			6 16 12	0.8 P	11
	93.00				
MEDIUM gray SILTY LOAM			2 4 5	0.5 B	20
	90.50	-10			
MEDIUM brown SILTY LOAM			4 3 4	1.0 S	24
	88.00				
STIFF tan SILTY LOAM			2 3 5	1.1 S	24
	85.50	-15			
MEDIUM tan SILT			2 4 5	0.8 S	24
	83.00				
SOFT tan/gray SILT			0 2 4	0.4 S	26
	80.50	-20			
MEDIUM tan SILT			2 2 4	0.5 B	25
	78.00				
SOFT tan SILT			1 3 3	0.3 S	26
	75.50	-25			
STIFF gray SILT			1 3 4	1.1 B	25
	73.00				
STIFF gray SILTY LOAM			1 3 5	1.3 S	24
	70.50	-30			
VERY STIFF gray/green SHALEY CLAY with CHERT			4 6 10	3.8 P	21
	68.00				
HARD gray/tan SHALEY CLAY			6 9 13	5.1 S	19
	65.00	-35			
DENSE gray/tan SHALE			26 17 23		
	63.00				
VERY DENSE gray/green SHALE with LIMESTONE fragments			12 52 20		
	60.50				
End of Boring		-40			

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

BBS, from 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
IDOT

SOIL BORING LOG

Page 1 of 2

Date 8/19/03

ROUTE FAP 17 DESCRIPTION P92-074-00 Culvert on US 52, 1/4 m. E. of N. Dauphin Road LOGGED BY C. Jenkins

SECTION (1, 2, 3-1) RS LOCATION Mt. Carroll Twp. - NW, SEC. 7, TWP. 24N, RNG. 4E

COUNTY Carroll DRILLING METHOD Hollow Stem Auger HAMMER TYPE B-53

STRUCT. NO.
Station 259+15

BORING NO. B-1i
Station 259+08
Offset 13.00ft Rt CL
Ground Surface Elev. 99.9 ft

Surface Water Elev. None ft
Stream Bed Elev. 80.0 ft

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

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
STIFF tan SILTY LOAM with GRAVEL				1.1 P	13
	96.90				
VERY STIFF gray/green SILTY LOAM			5 7 10	2.5 S	19
	95.40	-5			
VERY STIFF gray SILTY LOAM			3 7 7	2.1 S	19
	92.90				
STIFF brown SILT			3 5 6	1.3 S	22
	90.40	-10			
STIFF tan SILT			2 3 3	1.1 S	19
	87.90				
STIFF brown SILT			2 3 5	1.1 P	17
	85.40	-15			
MEDIUM tan/gray SILT			1 2 3	0.6 P	25
	82.90				
SOFT gray SILT			1 1 2	0.3 B	25
	80.40	-20			
MEDIUM gray with rust SILT			0 2 3	0.6 B	25
	77.90				
SOFT tan with rust SILT			1 2 3	0.3 B	26
	75.40	-25			
MEDIUM tan/gray SILTY LOAM			0 2 3	0.9 B	24
	72.90				
SOFT gray SILT			1 1 2	0.3 B	28
	70.40	-30			
No sample			0 2 4		
	67.90				
VERY STIFF gray/brown CLAY with LIMESTONE fragments			4 7 10	2.3 B	26
	64.90	-35			
MEDIUM gray SHALE with LIMESTONE fragments			6 11 16		
	62.90				
DENSE blue/green SHALE with LIMESTONE fragments			10 14 17		
	60.40	-40			

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

BBS, from 137 (Rev. 8-99)

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USER NAME = hensonke

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SCALE: VERT. HORIZ.
DATE
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CHECKED BY

BORING LOGS