

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
VARIOUS	16-00134-00-BT	JACKSON	33	1
JOB NO.	C-99-529-16	FED PROJ. TE-00D9(128)		
CITY OF CARBONDALE		CONTRACT NO. 99586		

ILLINOIS TRANSPORTATION ENHANCEMENT PROGRAM
PLANS FOR PROPOSED
LOCAL AGENCY PROJECT

DOWNTOWN BICYCLE AND PEDESTRIAN PATH, PHASE II
MILL STREET TO PARK STREET
SECTION 16-00134-00-BT

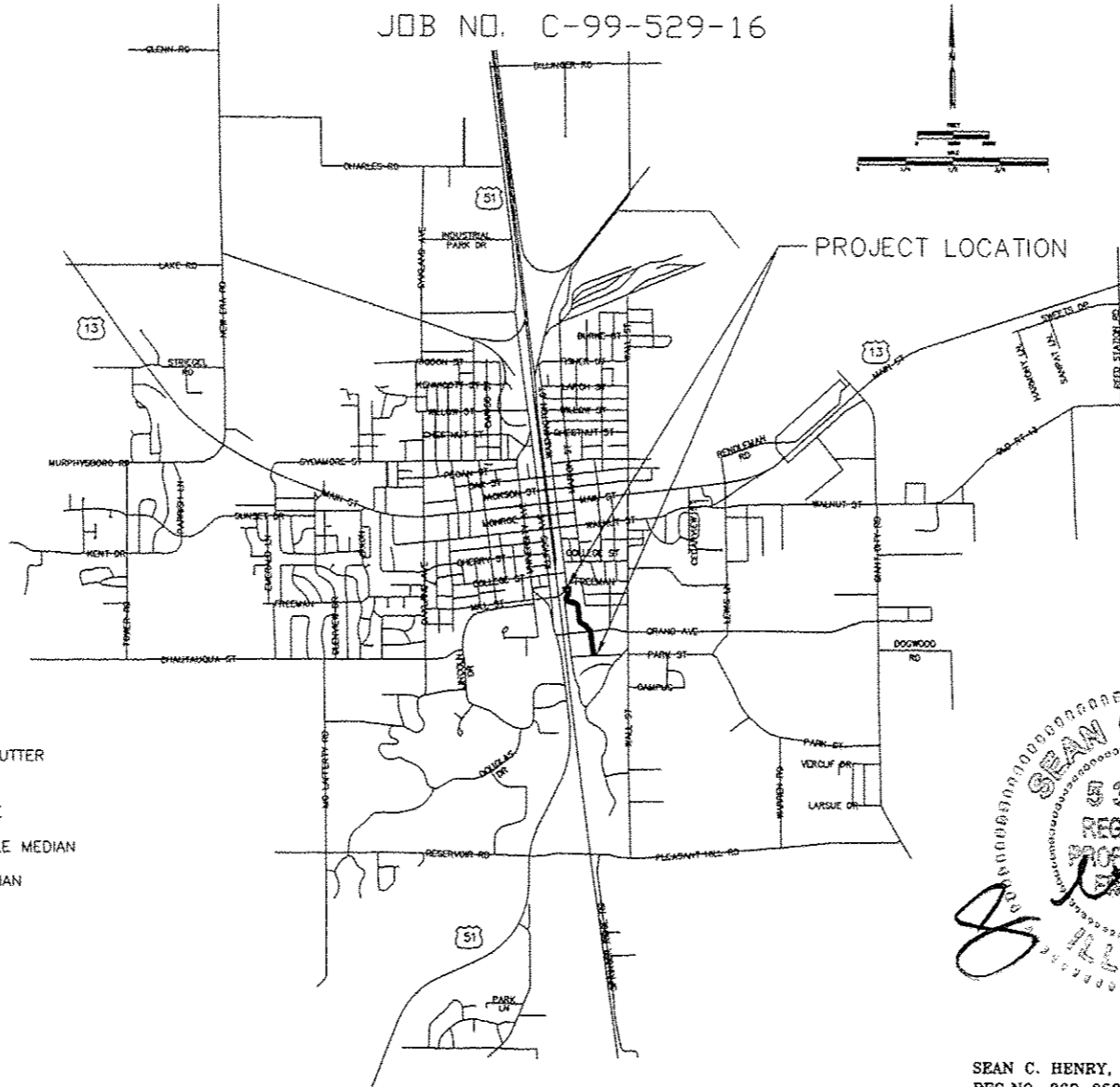
PROJECT NO. TE-00D9(128)
CITY OF CARBONDALE
JACKSON COUNTY
JOB NO. C-99-529-16

INDEX OF SHEETS

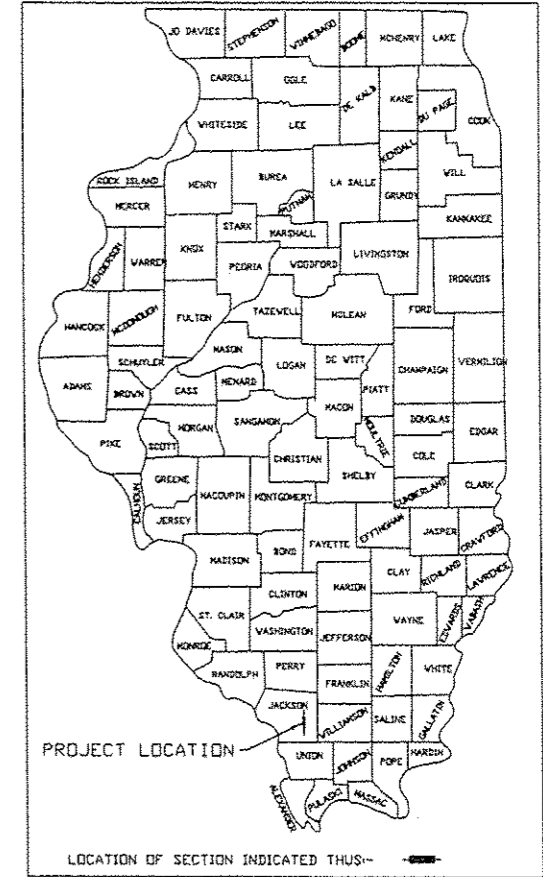
SHEET NO.	DESCRIPTION
1	COVER SHEET, INDEX OF SHEETS, HIGHWAY STANDARDS
2	SUMMARY OF QUANTITIES
3-4	SCHEDULE OF QUANTITIES
5	TYPICAL SECTION, GENERAL NOTES
6	DETAILS
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15-18	EROSION CONTROL PLAN
19-33	CROSS-SECTIONS

HIGHWAY STANDARDS

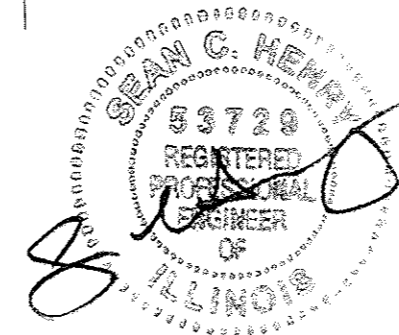
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
424001-09	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424006-02	DIAGONAL CURB RAMPS FOR SIDEWALKS
424011-03	CORNER PARALLEL CURB RAMPS FOR SIDEWALKS
424016-03	MID-BLOCK CURB RAMPS FOR SIDEWALKS
424021-03	DEPRESSED CORNER FOR SIDEWALKS
424026-01	ENTRANCE/ALLEY PEDESTRIAN CROSSINGS
602301-04	INLET - TYPE A
604001-04	FRAME AND LIDS TYPE 1
606001-06	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
664001-02	CHAIN LINK FENCE
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
701101-05	OFF-RD OPERATIONS, MULTILANE, 15' TO 24" FROM PAVEMENT EDGE
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701601-09	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN
701606-10	URBAN LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701611-01	URBAN HALF ROAD CLOSURE, MULTILANE, 2W, WITH MOUNTABLE MEDIAN
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-06	TRAFFIC CONTROL DEVICES
825011-03	LIGHTING CONTROLLER PEDESTAL MOUNTED, 240V



LOCATION MAP



LOCATION OF SECTION INDICATED THUS--



SEAN C. HENRY, P.E.
REG. NO. 062-053729
DATE 2-7-17
EXPIRES 11-30-17

CONTRACT NO. 99586

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

APPROVED 2-7-17
DATE

[Signature]
PUBLIC WORKS DIRECTOR, CITY OF CARBONDALE

PASSED 2/8/2017
DATE

[Signature]
DISTRICT ENGINEER OF LOCAL ROADS & STREETS

RELEASED FOR BID
BASED ON LIMITED
REVIEW 2/8/2017
DATE

[Signature]
DEPUTY DIRECTOR OF HIGHWAYS, REGION FIVE ENGINEER

PUBLIC WORKS ENGINEERING DEPT.
Carbondale
ILLINOIS

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
VARIOUS	16-00134-00-BT	JACKSON	33	2
JOB NO. C-99-529-16		FED PROJ. TE-0009(188)		
CITY OF CARBONDALE		CONTRACT NO. 99586		

SUMMARY OF QUANTITIES

CODED PAY ITEM NUMBER	DESCRIPTION OF ITEM	QUANTITY	UNIT
20800150	TRENCH BACKFILL	24	CU YD
28000305	TEMPORARY DITCH CHECKS	42	FOOT
28000400	PERIMETER EROSION BARRIER	725	FOOT
28000500	INLET AND PIPE PROTECTION	3	EACH
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	8	TON
42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	36.3	SQ YD
42400300	PORTLAND CEMENT CONCRETE SIDEWALK 6 INCH	18,888	SQ FT
42400800	DETECTABLE WARNINGS	188	SQ FT
44000100	PAVEMENT REMOVAL	301.2	SQ YD
44000200	DRIVEWAY PAVEMENT REMOVAL	102	SQ YD
44000500	COMBINATION CURB AND GUTTER REMOVAL	167	FOOT
44000600	SIDEWALK REMOVAL	8,127	SQ FT
44004000	PAVED DITCH REMOVAL	25	FOOT
550A0070	STORM SEWERS, CLASS A, TYPE 1 15"	32	FOOT
550A0120	STORM SEWERS, CLASS A, TYPE 1 24"	24	FOOT
55100700	STORM SEWER REMOVAL 15"	17	FOOT
60255500	MANHOLES TO BE ADJUSTED	3	EACH
60258200	MANHOLES TO BE RECONSTRUCTED WITH NEW TYPE 1 FRAME, CLOSED LID	1	EACH
60500060	REMOVING INLETS	2	EACH
60500090	REMOVING INLETS TO MAINTAIN FLOW	1	EACH
60600605	CONCRETE CURB, TYPE B	29	FOOT
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	166	FOOT
60603900	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (ABUTTING EXISTING PAVEMENT)	214	FOOT
60604100	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (MODIFIED)	130	FOOT
60604500	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18 (ABUTTING EXISTING PAVEMENT)	95	FOOT
60605100	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24 (ABUTTING EXISTING PAVEMENT)	72	FOOT
66400205	△ CHAIN LINK FENCE, 5'	203	FOOT
67100100	MOBILIZATION	1	LSUM
81028740	△ UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 1 1/2" DIA.	189	FOOT
* 82500330	△ LIGHTING CONTROLLER, PEDESTAL MOUNTED, 240VOLT, 60AMP	1	EACH
* X2500900	SEEDING, CLASS 1 (SPECIAL)	1.1	ACRE
* X6023508	INLETS, TYPE A, WITH SPECIAL FRAME AND GRATE	1	EACH
* X6024240	INLETS, SPECIAL	1	EACH
* X7010216	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	1	LSUM
* X8250500	△ LIGHTING UNIT COMPLETE, SPECIAL	21	EACH
* X8360120	△ LIGHT POLE FOUNDATION, SPECIAL	3	EACH
* Z0013798	CONSTRUCTION LAYOUT	1	LSUM
* XX009083	EARTHWORK & SITE PREPARATION	1	LSUM
* X8162820	△ UNIT DUCT, 600V, 2-1/C NO. 6, 2-1/C NO. 2, 1/C NO. 6 GROUND, (XLP-TYPE USE), 1 1/2" DIA. POLYETHYLENE	2,162	FOOT

* - SPECIAL PROVISION

△ - SPECIALTY ITEMS

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
VARIDUS	16-00134-00-BT	JACKSON	33	3
JOB NO.	C-99-829-16	FED PROJ.	TE-0009(120)	
CITY OF CARBONDALE		CONTRACT NO.	99586	

REMOVAL SCHEDULE OF QUANTITIES

FROM STATION	TO STATION	PAVEMENT REM (SQ YD)	DRIVE PAVEMENT REM (SQ YD)	COMB CURB GUTTER REM (FT)	PAVED DITCH REMOVAL (FT)	STORM SEWER REM 15 (FT)	REMOV INLETS (EACH)	REM INLET - MAIN FLOW (EACH)	
-0+03 RT	0+24 RT		28						
0+00	1+00.9			569					
0+06.8 RT	0+18.4 RT		32						
0+13.4 RT	0+31 RT			261					
1+00.9	1+27.8	38							
1+27.8 RT	1+39.8 RT		12						
1+27.8 RT	1+83.8, 34.6' RT			396					
1+93 RT	2+37 RT	64							
2+09.5 RT	3+00 RT			540					
3+00 RT	4+32.5 RT			720					
4+51.1, 12.2' LT	4+51.6, 19.3' RT			119					
4+68	5+32			856					
5+34 RT	7+80 RT	230							
7+56.6, 4.8' RT							1		
7+71.4, 12.6' LT	7+90.6, 2.5' LT				25				
7+72 RT	8+32 LT			332					
7+72, 19.2' RT						1			
8+09.4, 0.2' RT						1			
8+10.5, 1.2' LT	8+20, 15' LT				17				
11+40, 21.2' LT	13+00			1,252					
13+00	13+31.9		53	1,458					
13+56.5, 13.0' LT	13+56.5, 67.0' LT	35.6							
13+56.5, 3.0' RT	13+56.5, 57.0' RT	35.6							
13+81.15	14+03 LT		24	575					
19+23.6, 13.2' LT	20+04.5			809					
20+33.4, 8.9' RT	20+35.1, 9.0' LT		18						
20+34.8	20+44.8			240					
	TOTALS:	301.2	102	167	8,127	25	17	2	1

SIDEWALK, CURB, AND DRIVEWAY SCHEDULE OF QUANTITIES

FROM STATION	TO STATION	PC CONC SIDEWALK 6 (SQ FT)	DETECTABLE WARNINGS (SQ FT)	COMB CC&G TBB.12 (FT)	COMB CC&G TBB.12 AEP (FT)	COMB CC&G TBB.12 MOD (FT)	COMB CC&G TBB.18 AEP (FT)	CONC CURB TB (FT)	PCC DRIVEWAY PAVT 6 (SQ YD)	INCIDENTAL HMA SURF(TON)	
-0+03 RT	0+24 RT							28			
0+00	1+00.9	770	16								
0+06.8 RT	0+31 RT	261	44					32			
1+00.9	1+27.8							29	36.3		
1+27.8 RT	1+39.8 RT							12			
1+27.8	3+00	1,378									
1+75.7, 4.0' RT	1+83.8, 34.6' RT	166									
3+00	9+00	4,800									
5+47.8, 4.0' RT	5+52.3, 34.2' RT	204									
5+48.8, 4.0' LT	5+51.4, 21.6' LT	156	16								
5+34.4, 35.0' RT	6+25, 11.7' RT			113						3.05	
6+25, 11.7' RT	7+53.7, 8.6' RT				130					3.49	
7+53.7, 8.6' RT	7+78.4, 39.1' RT			53						1.46	
7+55.6, 34.1' RT	7+71.2, 4.0' RT	223									
9+00	13+00	3,200									
12+14.6, 15.3' RT	12+15.6, 4.0' RT	77									
12+16.3, 4.0' LT	12+17.1, 12.9' LT	63									
13+00	13+31.9	1,458	36								
13+32.5, 33.5' LT	13+32.5, 19.5' RT					53					
13+56.5, 14.0' LT	13+56.5, 66.0' LT			107							
13+56.5, 4.0' RT	13+56.5, 56.0' RT			107							
13+80.6, 17.0' LT	13+80.6, 7.0' RT					24					
13+81.15	14+03 LT	602	36								
13+89.65	14+50	483									
14+50	20+04.5	4,807	20								
20+33.4, 9.0' RT	20+35.1, 9.0' LT					18					
20+34.8	20+44.8	240	20								
	TOTALS:	18,888	168	166	214	130	95	72	29	36.3	8.0

STORM SEWER SCHEDULE OF QUANTITIES

FROM STATION	TO STATION	STORM SEW CL A 1 15 (FT)	STORM SEW CL A 1 24 (FT)	INLETS SPL (EACH)	INLETS TA W/SPL F&G (EACH)	TRENCH BACKFILL (CU YD)	MAN ADJUST (EACH)	MAN RECON NEW TIF CL (EACH)
2+14.7, 7.6' RT								1
5+55.7, 6.3' LT								1
7+42.6, 8.0' LT	7+56.6, 8.8' RT	24				16		
7+53.6, 11.64' RT			1					
7+58.7, 11.9' RT	7+90.7, 14.8' RT	32				8		
7+91.1, 14.8' RT				1				
9+99, 12.0' LT							1	
16+15.75, 1.9' RT							1	
	TOTALS:	32	24	1	1	24	3	1

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
VARIOUS	16-00134-00-BT	JACKSON	33	4
JOB NO.	C-99-829-16	FED PROJ	TE-00B9(128)	
CITY OF CARBONDALE		CONTRACT NO.	99586	

LIGHTING SCHEDULE OF QUANTITIES						
FROM STATION	TO STATION	UD 2#022#86 XLPUSE 1 1/2 (FT)	UNDERSID C CMC 1 1/2 (FT)	LT CONT PEDM 240V 60 (EACH)	LIGHTING UNIT COMP SP (EACH)	LIGHT POLE FDN SPL (EACH)
0+65, 7.0' LT	1+70.8, 7.0' RT	117			2	
1+70.8, 7.0' RT	2+69.3, 7.0' RT	115			1	
2+69.3, 7.0' RT	3+76.4, 7.0' RT	109			1	
3+76.4, 7.0' RT	4+65.8, 7.0' RT	90			1	
4+65.8, 7.0' RT	5+65, 7.0' RT	107			1	
5+65, 7.0' RT	6+70, 7.0' RT	110			1	
6+70, 7.0' RT	7+76.8, 7.0' RT	114			1	
7+76.8, 7.0' RT	8+78, 7.0' RT	107			1	
8+78, 7.0' RT	9+79.8, 7.0' RT	108			1	
9+79.8, 7.0' RT	10+85, 7.0' RT	122			1	
10+85, 7.0' RT	11+90, 7.0' LT	112			1	
11+90, 7.0' LT	13+00, 7.0' RT	120			1	
13+00, 7.0' RT	13+20.5, 39.4' LT	60	1			
13+20.5, 39.4' LT	13+31.1, 15.9' LT	33	36		1	
13+31.1, 15.9' LT	13+30.7, 5.2' RT		28			
13+31.1, 15.9' LT	13+56.5, 16.0' LT	29	32		1	
13+56.5, 16.0' LT	13+56.5, 5.0' RT	24	27			1
13+56.5, 5.0' RT	13+82.8, 11.4' RT	27	33			1
13+82.8, 11.4' RT	13+82, 15.3' LT		33			
13+82.8, 11.4' RT	14+00, 7.0' RT	20			1	
14+00, 7.0' RT	15+00, 7.0' RT	108			1	
15+00, 7.0' RT	16+00, 7.0' RT	106			1	
16+00, 7.0' RT	17+00, 7.0' RT	106			1	
17+00, 7.0' RT	18+00, 7.0' RT	106			1	
18+00, 7.0' RT	19+00, 7.0' RT	106			1	
19+00, 7.0' RT	20+00, 7.0' RT	106			1	
TOTALS:		2,162	169	1	21	3

FENCING SCHEDULE OF QUANTITIES		
FROM STATION	TO STATION	CHAIN LINK FENCE, 5' (FT)
7+70.6, 10.5' LT	9+72.1, 9.8' LT	203
TOTAL:		203

SEEDING SCHEDULE OF QUANTITIES		
FROM STATION	TO STATION	SEEDING CL. 1 SPL (ACRE)
0+00	13+32	0.88
13+81	20+06	0.22
TOTALS:		1.10

EROSION CONTROL SCHEDULE OF QUANTITIES				
FROM STATION	TO STATION	TEMP DITCH CHECKS (FOOT)	PERIMETER EROS BAR (FOOT)	INLET & PIPE PROTECT (EACH)
1+75 LT		7		
2+00 LT		7		
2+25 LT		7		
2+50 LT		7		
2+75 LT		7		
3+25 LT		7		
3+94.7 LT	11+29.6 LT		725	
7+91.1, 14.8' RT				1
12+32.8, 7.3' RT				1
12+94.8, 9.8' RT				1
TOTALS:		42	725	3

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
VARIOUS	16-00134-00-3T	JACKSON	33	5
JOB NO. C-99-529-16		FED. PROJ. TC-00D9(12B)		
CITY OF CARBONDALE		CONTRACT NO. 99586		

GENERAL NOTES

ALL SIDEWALK CONSTRUCTION SHALL MEET THE UNITED STATES ACCESS BOARD'S PUBLIC RIGHTS-OF-WAY ACCESSIBILITY GUIDELINES (PROWAG) PUBLISHED JULY 26, 2011.

ALL SIDEWALKS SHALL HAVE A MAXIMUM CROSS SLOPE OF 2.0% (1:50). ALL SIDEWALKS SHALL HAVE A MINIMUM CROSS SLOPE OF 1.0% (1:100) TO FACILITATE DRAINAGE, UNLESS OTHERWISE SHOWN. ALL SIDEWALKS SHALL HAVE A MAXIMUM LONGITUDINAL SLOPE OF 5% (1:20).

THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO ORDERING MATERIALS AND CONSTRUCTION.

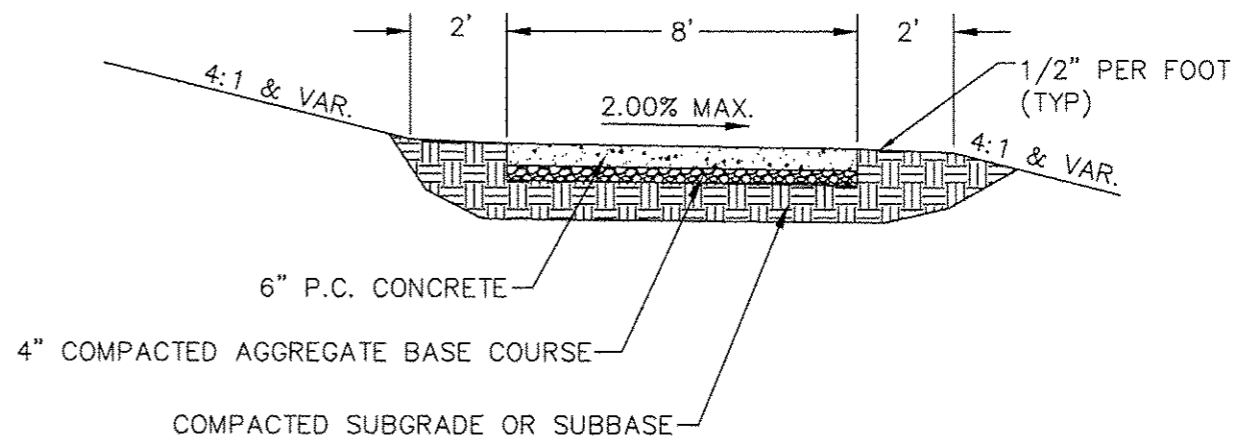
PAVEMENT, SIDEWALK, TREES, PLANT MATERIAL, AND EXCESS EXCAVATION ARE TO BE REMOVED FROM SITE AND DISPOSED OF AS NOTED AND SPECIFIED.

ALL EARTH AREAS SHALL BE SLOPED TO DRAIN TO PREVENT PONDING OF ANY WATERS, MAXIMUM SLOPE SHALL BE 4:1 UNLESS OTHERWISE APPROVED BY THE ENGINEER.

ANY TREE ROOTS ENCOUNTERED DURING CONSTRUCTION SHALL BE EXCAVATED AND REMOVED TO A MINIMUM OF 6" BELOW THE SUB-GRADE OF THE PROPOSED SIDEWALK, OR AS DIRECTED BY THE ENGINEER. THE COST OF ROOT REMOVAL SHALL BE INCLUDED IN THE COST FOR PORTLAND CEMENT CONCRETE SIDEWALK OF THE THICKNESS SPECIFIED.

THE CONTRACTOR SHALL CLEAN ALL SOIL/DIRT DEPOSITED OR SPILLED ON ROADWAY AND SIDEWALK SURFACES AS A RESULT OF CONSTRUCTION.

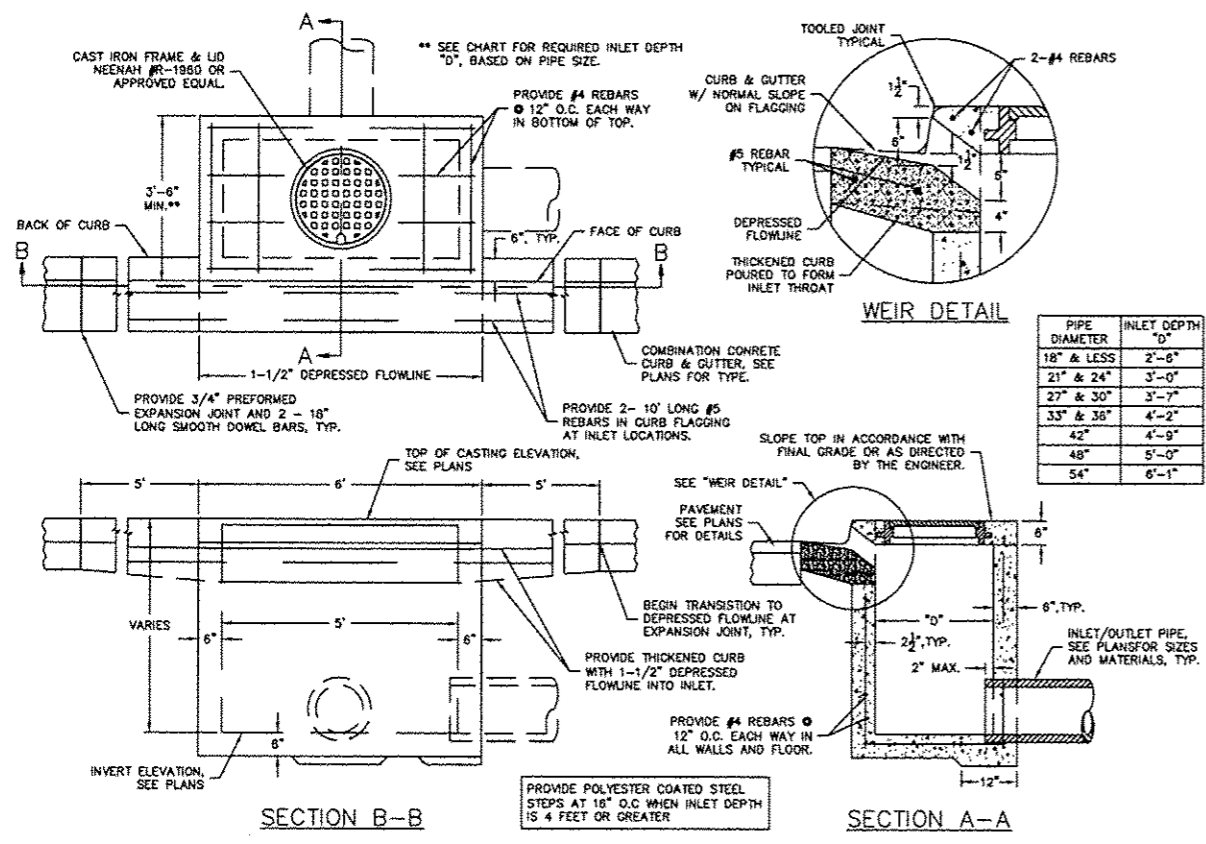
ALL EARTH SURFACES DISTURBED BY CONSTRUCTION SHALL BE SEEDED AS SPECIFIED AND AS DIRECTED BY THE ENGINEER.



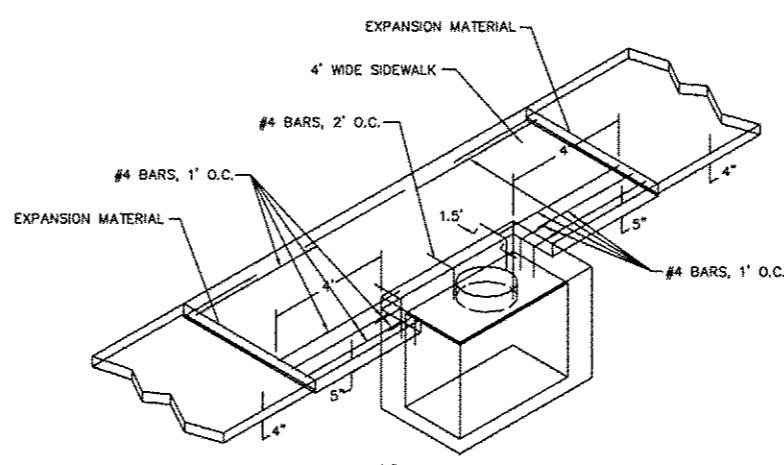
⊙ PCC SIDEWALK 6" TYPICAL SECTION
NOT TO SCALE

FILE: ?	LAYER STATE: ?
PROJECT: ?	LAYOUT TAB: ?
BY: ?	PLOT NEW: ?
DATE: ?	PLOT DIMENSIONS: ?
	PLOT SCALE: ?
	UNITLESS SCALE: ?

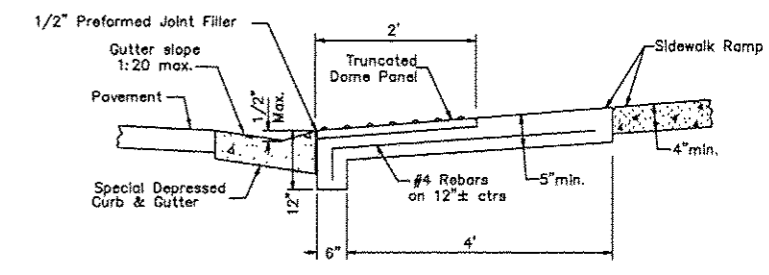
ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
VARIOUS	16-00134-00-BT	JACKSON	33	6
JOB NO.	C-99-529-16	FED PROJ.	TE-0009(12B)	
CITY OF CARBONDALE	CONTRACT NO.	99586		



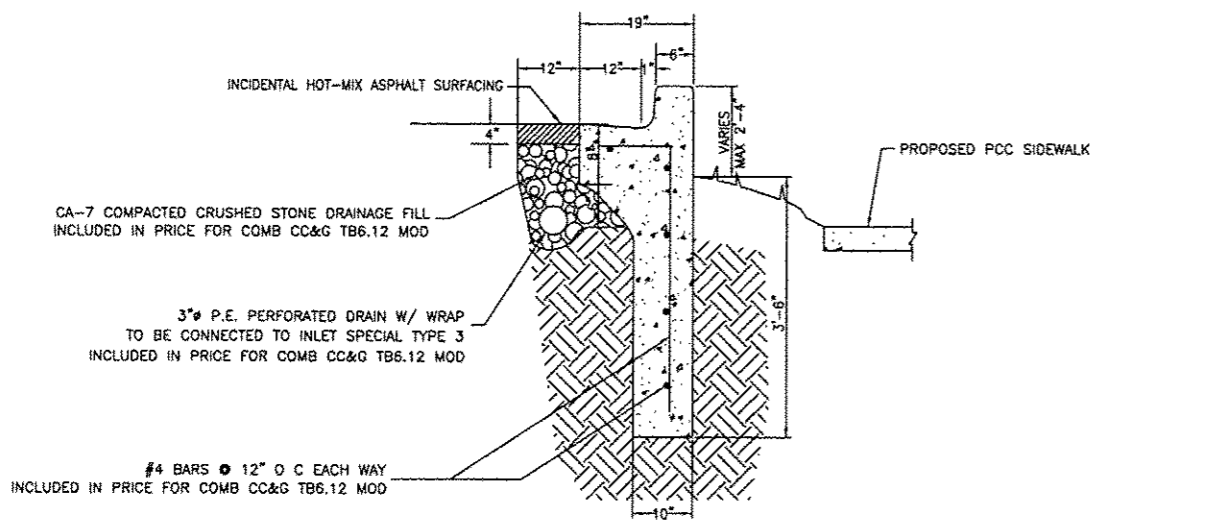
INLETS, SPECIAL DETAIL
NOT TO SCALE



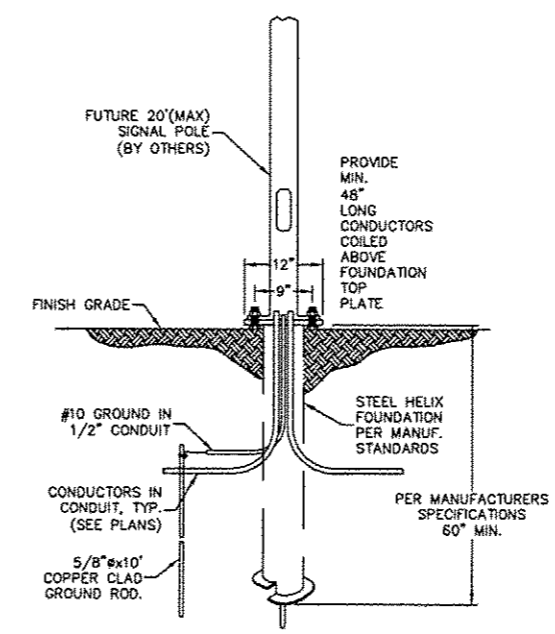
SIDEWALK DETAIL AT INLETS
NOT TO SCALE



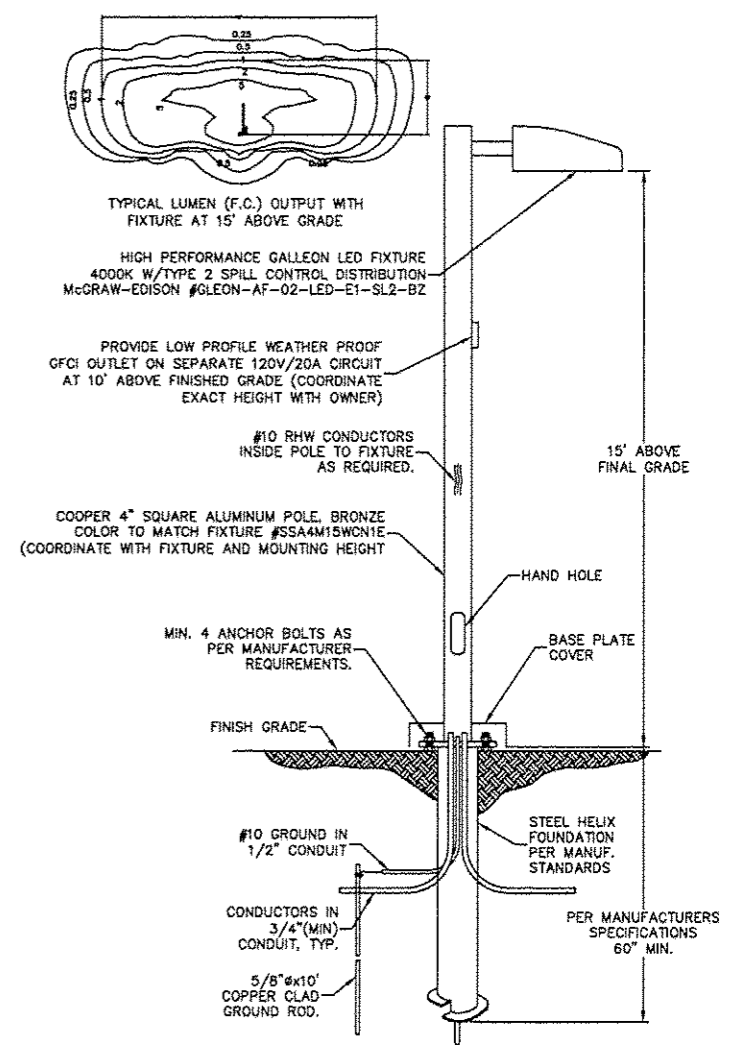
CURB RAMP TOE WALL DETAIL
NOT TO SCALE



COMB. CONC. CURB AND GUTTER, TYPE B6.12 (MODIFIED) SECTION
NO SCALE



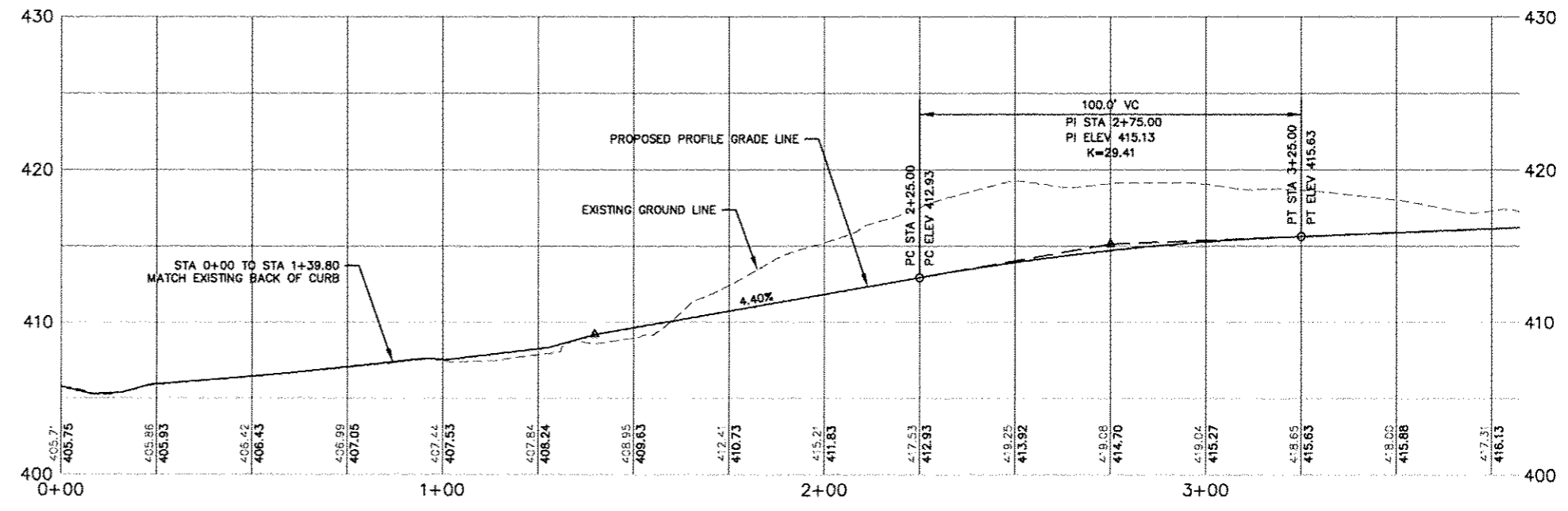
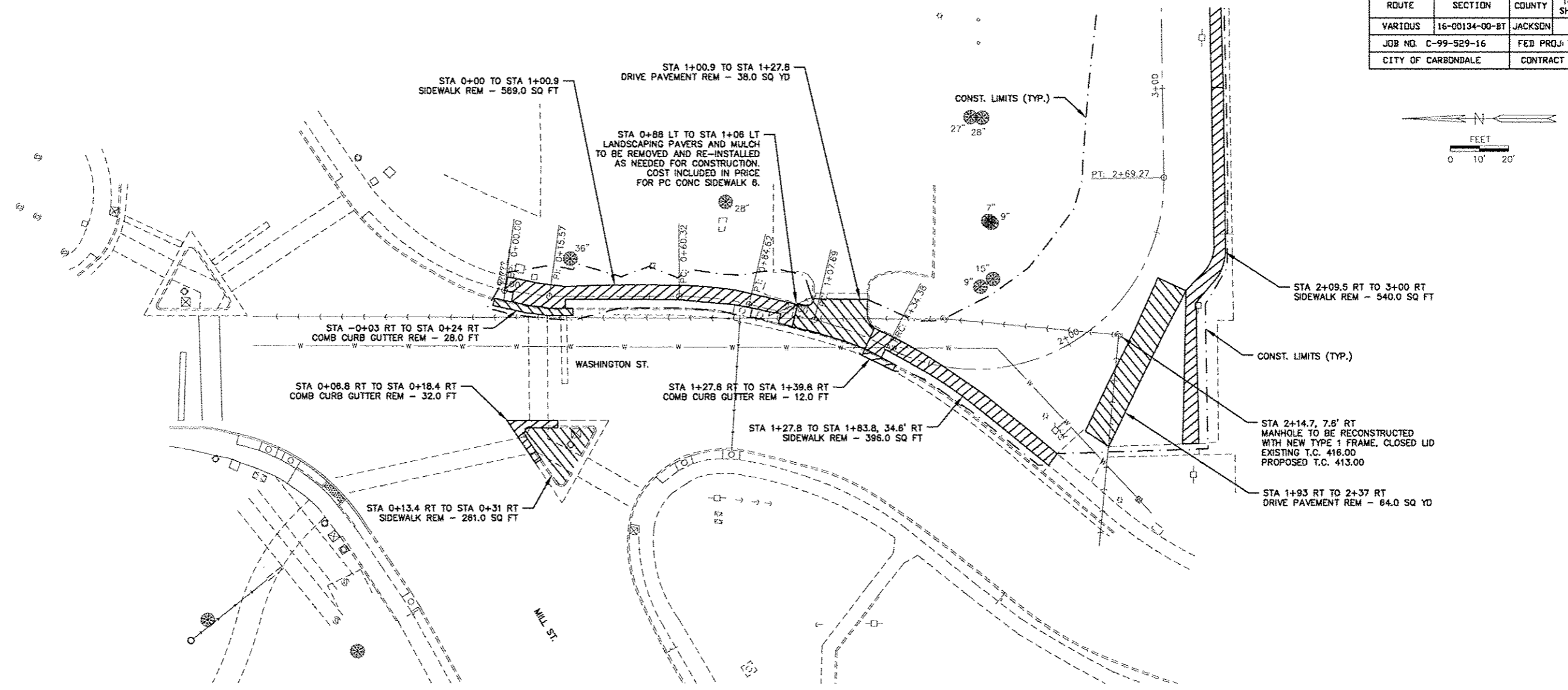
LIGHT POLE FOUNDATION, SPECIAL DETAIL
NOT TO SCALE



LIGHTING UNIT COMPLETE, SPECIAL DETAIL
NOT TO SCALE

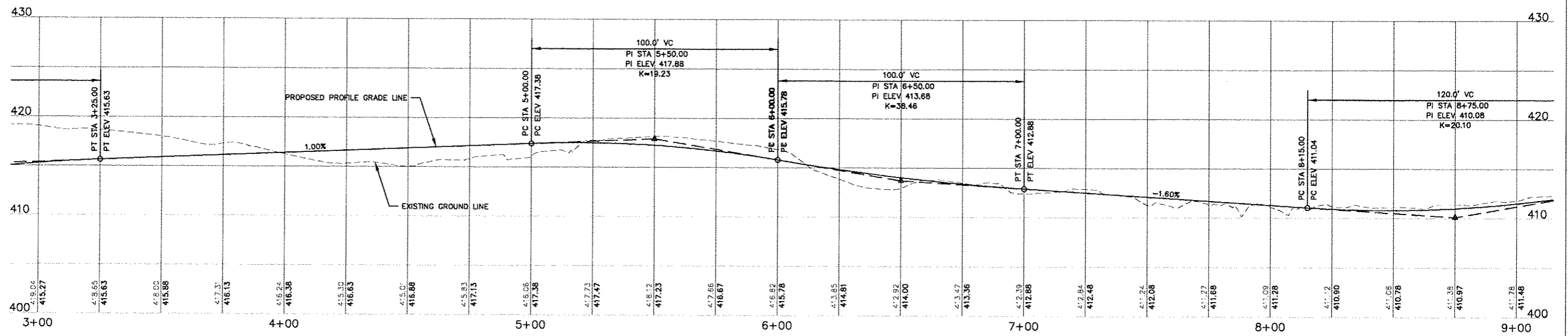
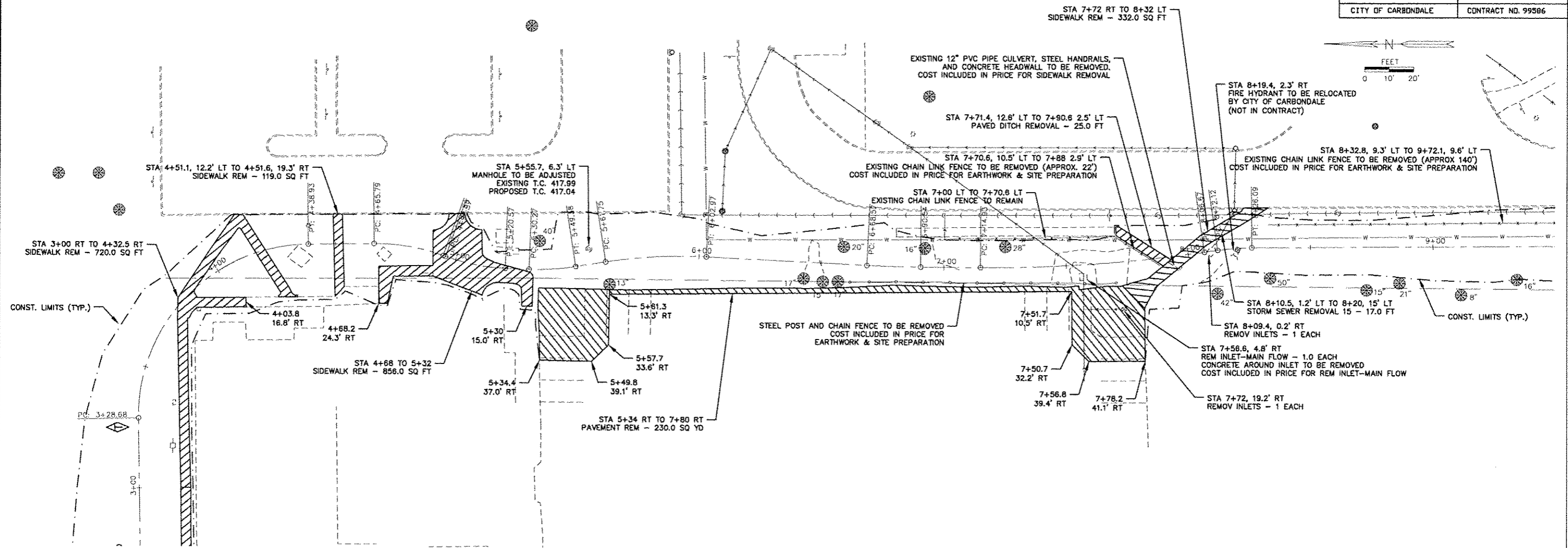
FILE: ?	LAYER STATE: ?
PROJECT: ?	LAYOUT TAB: ?
BOX: ?	PLOT VIEW: ?
DATE: ?	PLOT LINEWEIGHTS: ?
	PLOT SCALE: ?
	LINE TYPE SCALE: ?

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
VARIGUS	16-00134-00-BT	JACKSON	33	7
JOB NO. C-99-929-16		FED. PROJ. TE-0009K(12B)		
CITY OF CARBONDALE		CONTRACT NO. 99586		



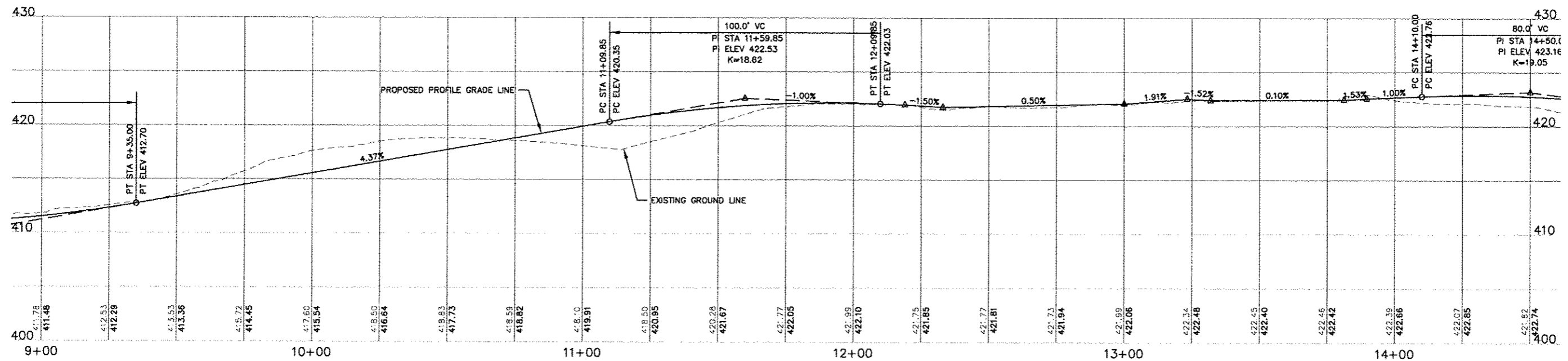
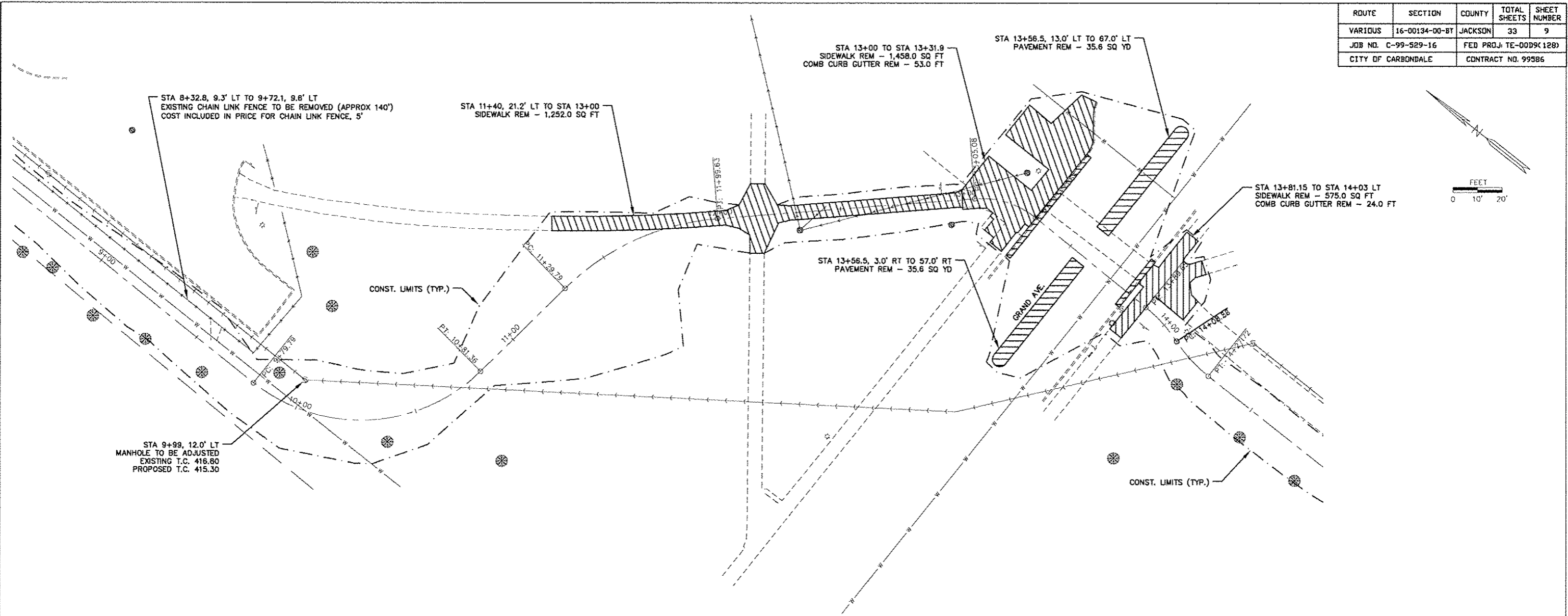
REMOVAL STA. 0+00 TO STA. 3+00

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
VARIOUS	16-00134-00-BT	JACKSON	33	8
JOB NO.	C-99-529-16	FED PROJ.	TE-0009(128)	
CITY OF CARBONDALE	CONTRACT NO. 99586			



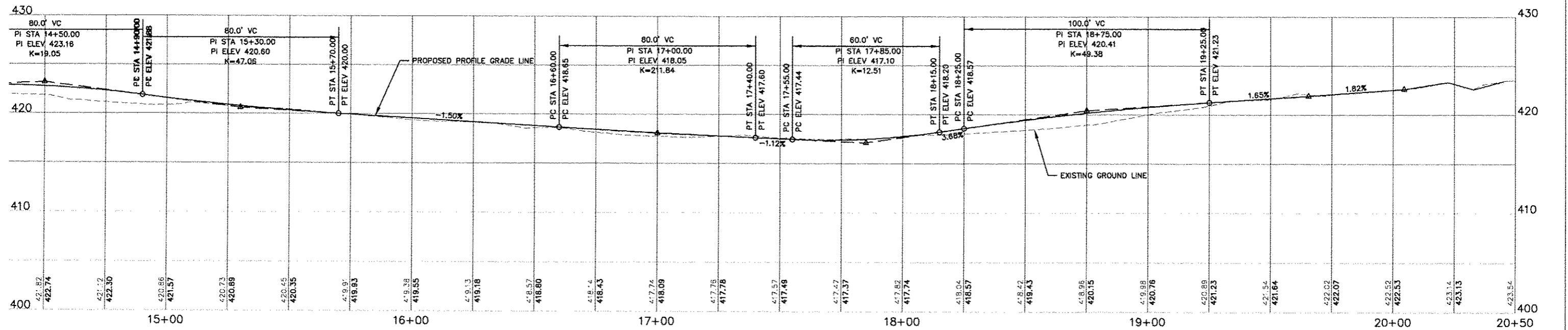
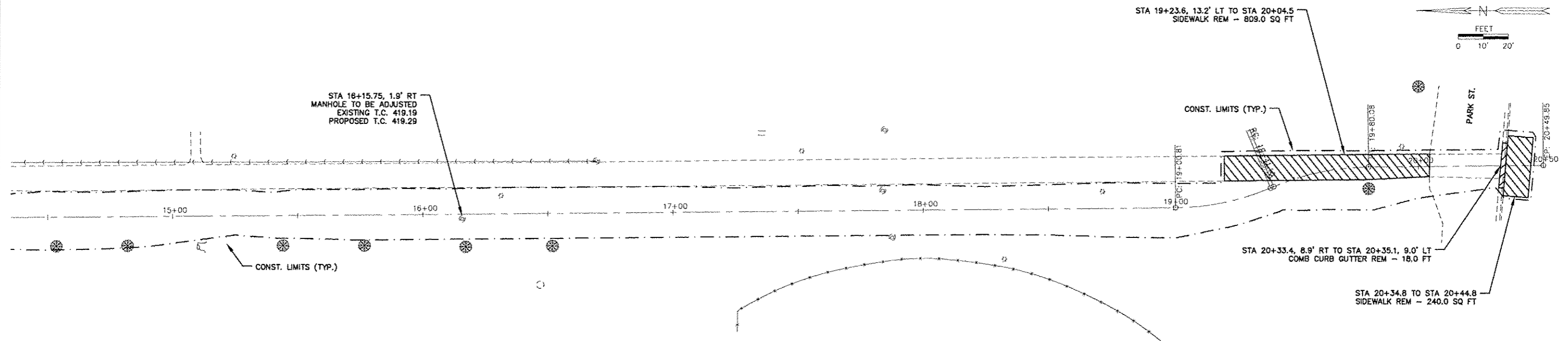
REMOVAL STA. 3+00 TO STA. 9+00

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
VARIOUS	16-00134-00-BT	JACKSON	33	9
JOB NO. C-99-529-16		FED PROJ. TE-00D9(120)		
CITY OF CARBONDALE		CONTRACT NO. 99586		



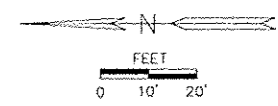
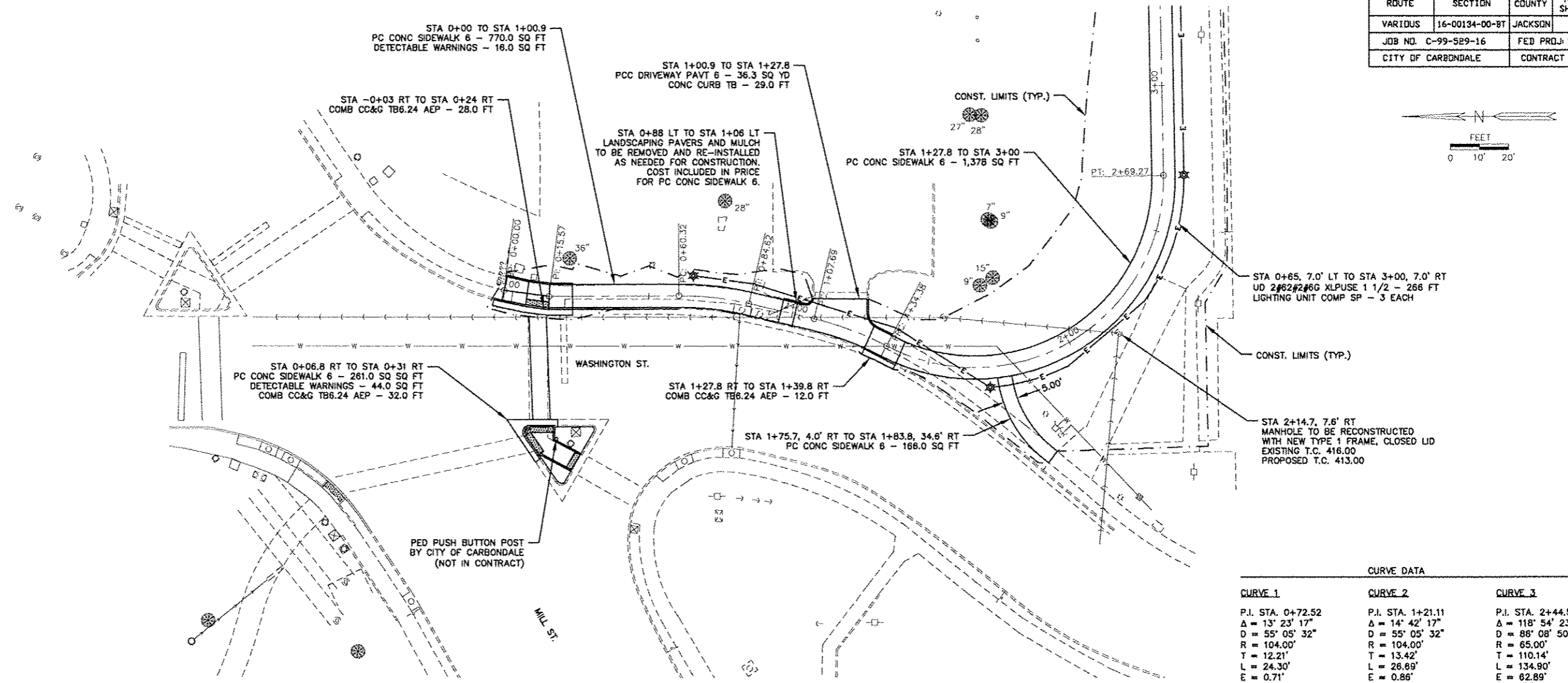
REMOVAL STA. 9+00 TO 14+50

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
VARIJUS	16-00134-00-BT	JACKSON	33	10
JOB NO.	C-99-529-16	FED PROJ. TE-0009(128)		
CITY OF CARBONDALE	CONTRACT NO. 99586			

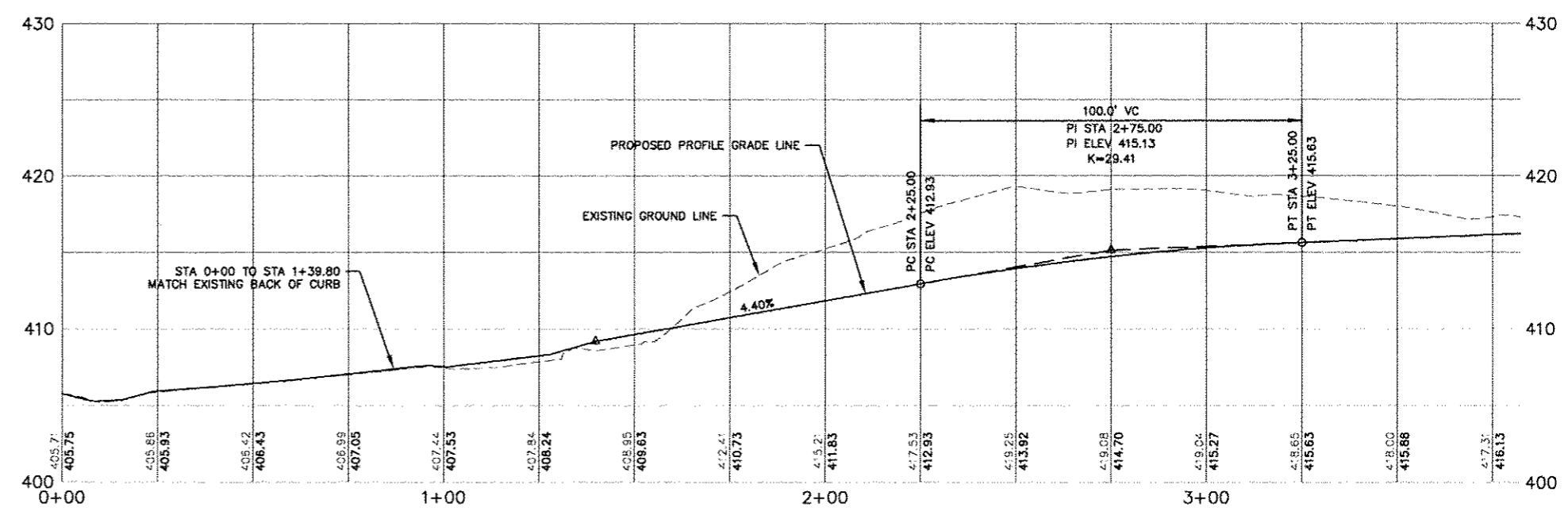


REMOVAL STA. 14+50 TO STA. 20+50

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
VARIDUS	16-00134-00-BT	JACKSON	33	11
JOB NO.	C-99-529-16	FED PROJ: TE-00D9K1289		
CITY OF CARBONDALE		CONTRACT NO. 99586		

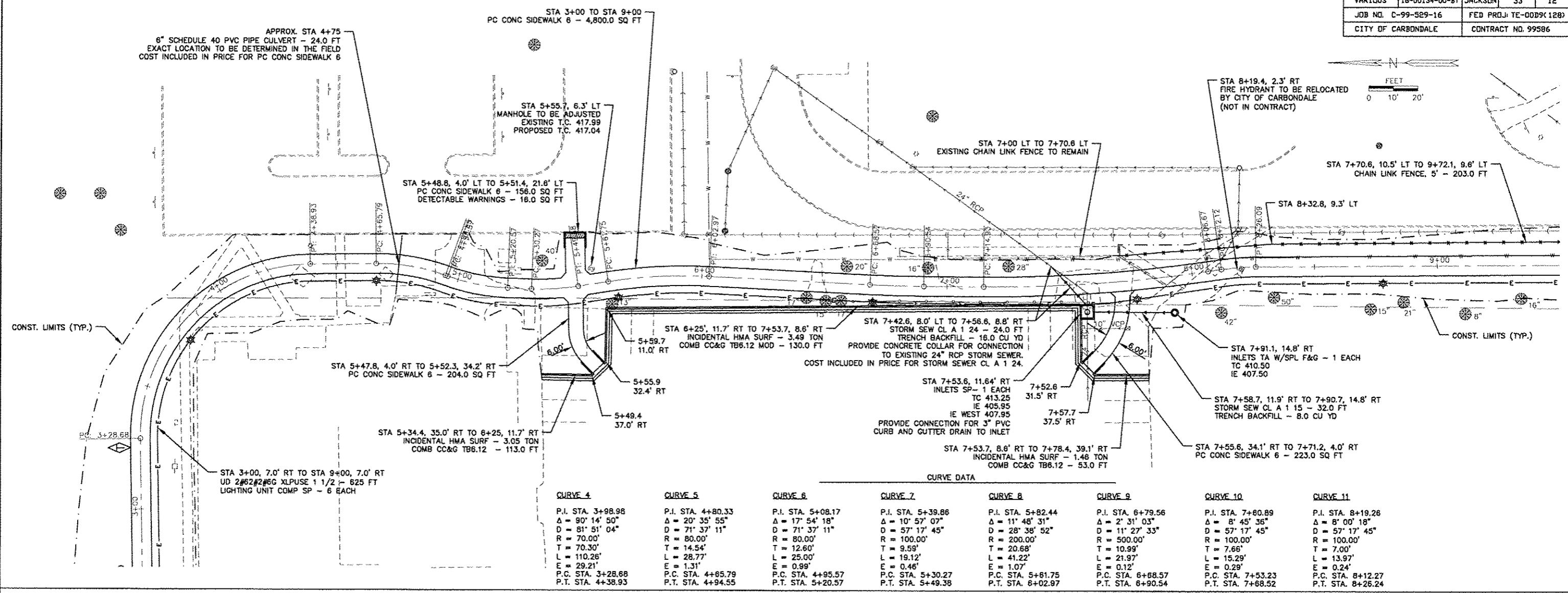


CURVE DATA		
CURVE 1	CURVE 2	CURVE 3
P.I. STA. 0+72.52	P.I. STA. 1+21.11	P.I. STA. 2+44.52
$\Delta = 13^\circ 23' 17''$	$\Delta = 14^\circ 42' 17''$	$\Delta = 118^\circ 54' 23''$
$D = 55^\circ 05' 32''$	$D = 55^\circ 05' 32''$	$D = 88^\circ 08' 50''$
$R = 104.00'$	$R = 104.00'$	$R = 65.00'$
$T = 12.21'$	$T = 13.42'$	$T = 110.14'$
$L = 24.30'$	$L = 26.89'$	$L = 134.90'$
$E = 0.71'$	$E = 0.86'$	$E = 62.89'$
P.C. STA. 0+60.32	P.C. STA. 1+07.69	P.C. STA. 1+34.38
P.T. STA. 0+84.62	P.T. STA. 1+34.38	P.T. STA. 2+89.27

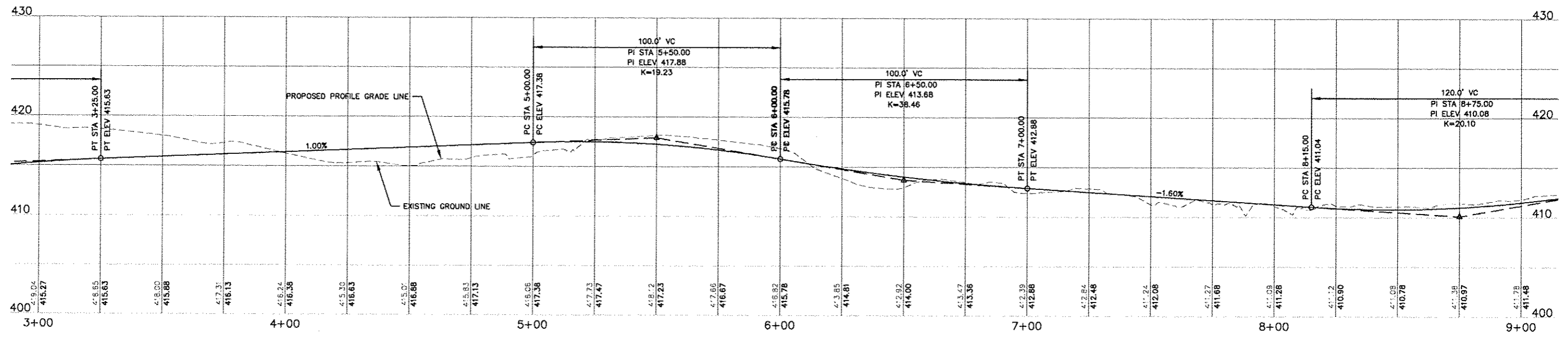


PLAN-PROFILE STA. 0+00 TO STA. 3+00

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
VARIOUS	16-00134-00-BT	JACKSON	33	12
JOB NO.	C-99-529-16	FED PROJ.	TE-0009X12B)	
CITY OF CARBONDALE	CONTRACT NO. 99586			

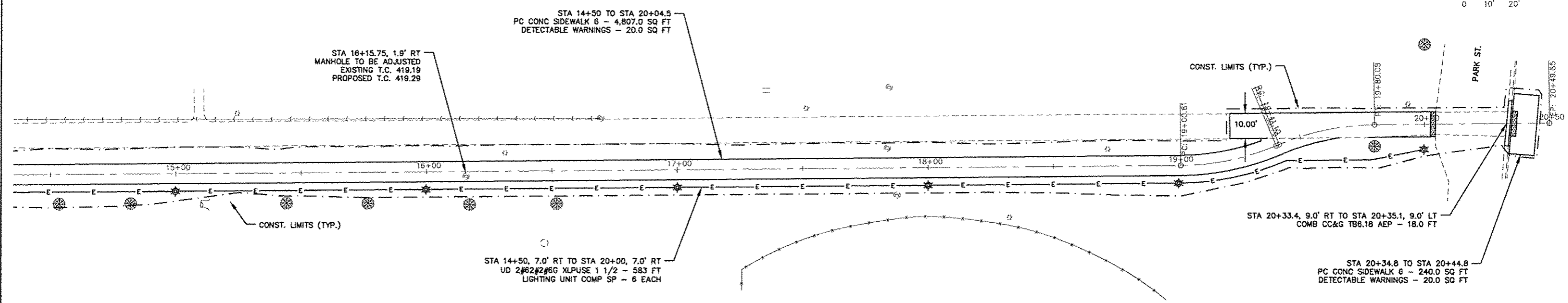
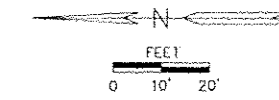


CURVE 4	CURVE 5	CURVE 6	CURVE 7	CURVE 8	CURVE 9	CURVE 10	CURVE 11
P.I. STA. 3+98.98	P.I. STA. 4+80.33	P.I. STA. 5+08.17	P.I. STA. 5+39.86	P.I. STA. 5+82.44	P.I. STA. 6+79.56	P.I. STA. 7+60.89	P.I. STA. 8+19.28
$\Delta = 90^\circ 14' 50''$	$\Delta = 20^\circ 35' 55''$	$\Delta = 17^\circ 54' 18''$	$\Delta = 10^\circ 57' 07''$	$\Delta = 11^\circ 48' 31''$	$\Delta = 2^\circ 31' 03''$	$\Delta = 8^\circ 45' 36''$	$\Delta = 8^\circ 00' 18''$
$D = 81^\circ 51' 04''$	$D = 71^\circ 37' 11''$	$D = 71^\circ 37' 11''$	$D = 57^\circ 17' 45''$	$D = 28^\circ 38' 52''$	$D = 11^\circ 27' 33''$	$D = 57^\circ 17' 45''$	$D = 57^\circ 17' 45''$
$R = 70.00'$	$R = 80.00'$	$R = 80.00'$	$R = 100.00'$	$R = 200.00'$	$R = 500.00'$	$R = 100.00'$	$R = 100.00'$
$T = 70.30'$	$T = 14.54'$	$T = 12.60'$	$T = 9.59'$	$T = 20.68'$	$T = 10.99'$	$T = 7.66'$	$T = 7.00'$
$L = 110.26'$	$L = 28.77'$	$L = 25.00'$	$L = 19.12'$	$L = 41.22'$	$L = 21.97'$	$L = 15.29'$	$L = 13.97'$
$E = 29.21'$	$E = 1.31'$	$E = 0.99'$	$E = 0.46'$	$E = 1.07'$	$E = 0.12'$	$E = 0.29'$	$E = 0.24'$
P.C. STA. 3+28.68	P.C. STA. 4+65.79	P.C. STA. 4+95.57	P.C. STA. 5+30.27	P.C. STA. 5+61.75	P.C. STA. 6+68.57	P.C. STA. 7+53.23	P.C. STA. 8+12.27
P.T. STA. 4+38.93	P.T. STA. 4+94.55	P.T. STA. 5+20.57	P.T. STA. 5+49.38	P.T. STA. 6+02.97	P.T. STA. 6+90.54	P.T. STA. 7+68.52	P.T. STA. 8+26.24



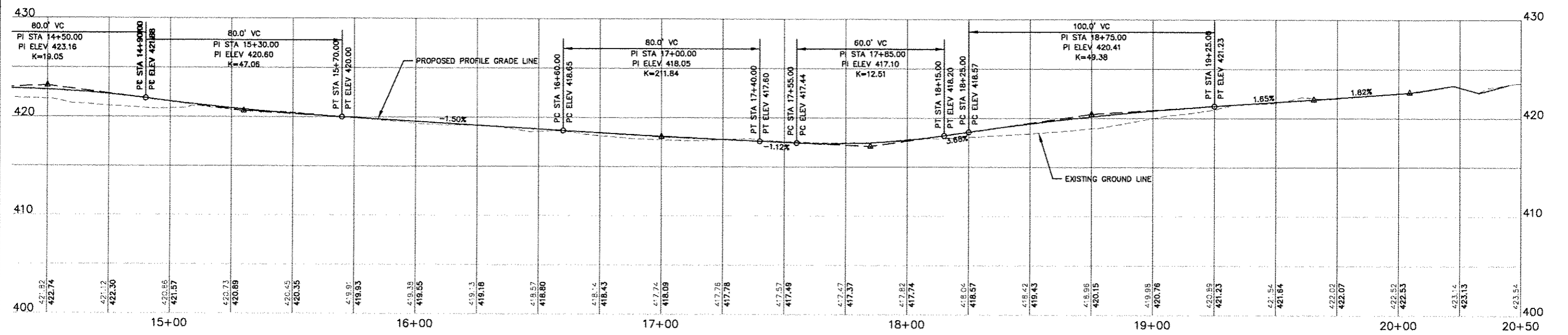
PLAN-PROFILE STA. 3+00 TO STA. 9+00

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
VARIOUS	16-00134-00-BT	JACKSON	33	14
JOB NO.	C-99-529-16		FED PROJ. TE-00D9K12B)	
CITY OF CARBONDALE	CONTRACT NO. 99586			



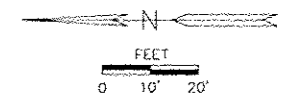
CURVE DATA

CURVE 17		CURVE 18	
P.I. STA.	19+20.70	P.I. STA.	19+60.99
Δ	22° 19' 54"	Δ	22° 19' 54"
D	57° 17' 45"	D	57° 17' 45"
R	100.00'	R	100.00'
T	19.74'	T	19.74'
L	38.98'	L	38.98'
E	1.93'	E	1.93'
P.C. STA.	19+00.96	P.C. STA.	19+41.25
P.T. STA.	19+39.94	P.T. STA.	19+80.23



PLAN-PROFILE STA. 14+50 TO STA. 20+50

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
VARIDUS	16-00134-00-BT	JACKSON	33	15
JOB NO.	C-99-529-16	FED PROJ.	TE-0009(128)	
CITY OF CARBONDALE		CONTRACT NO.	99586	



EROSION CONTROL SCHEDULES

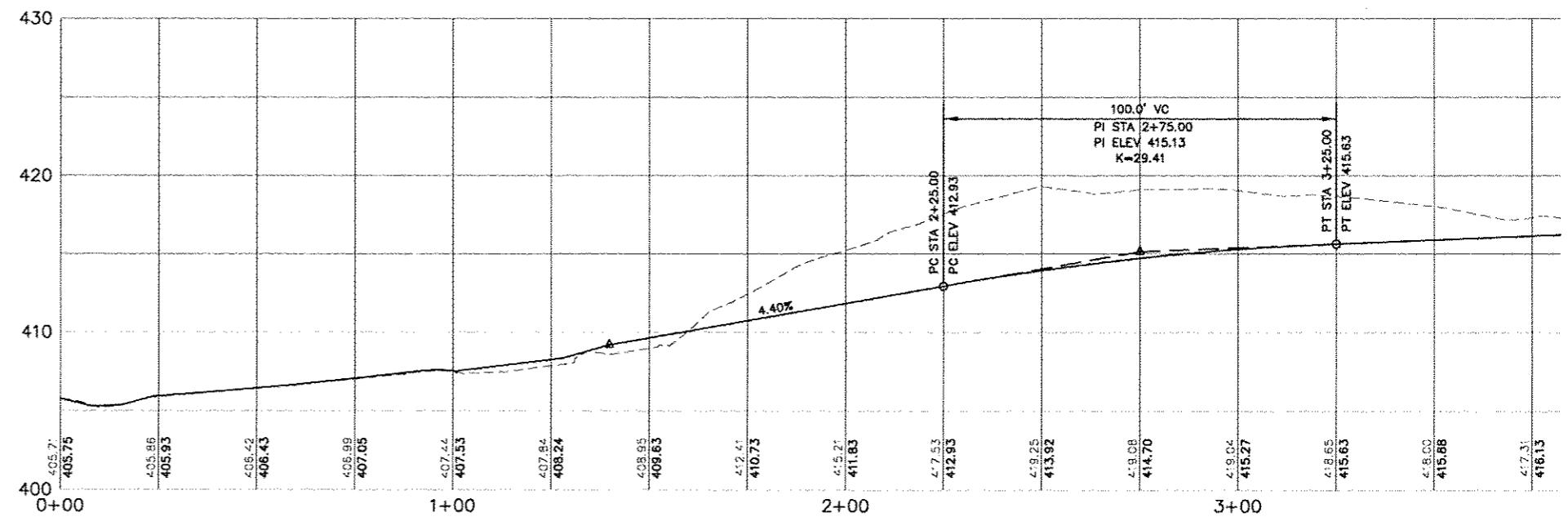
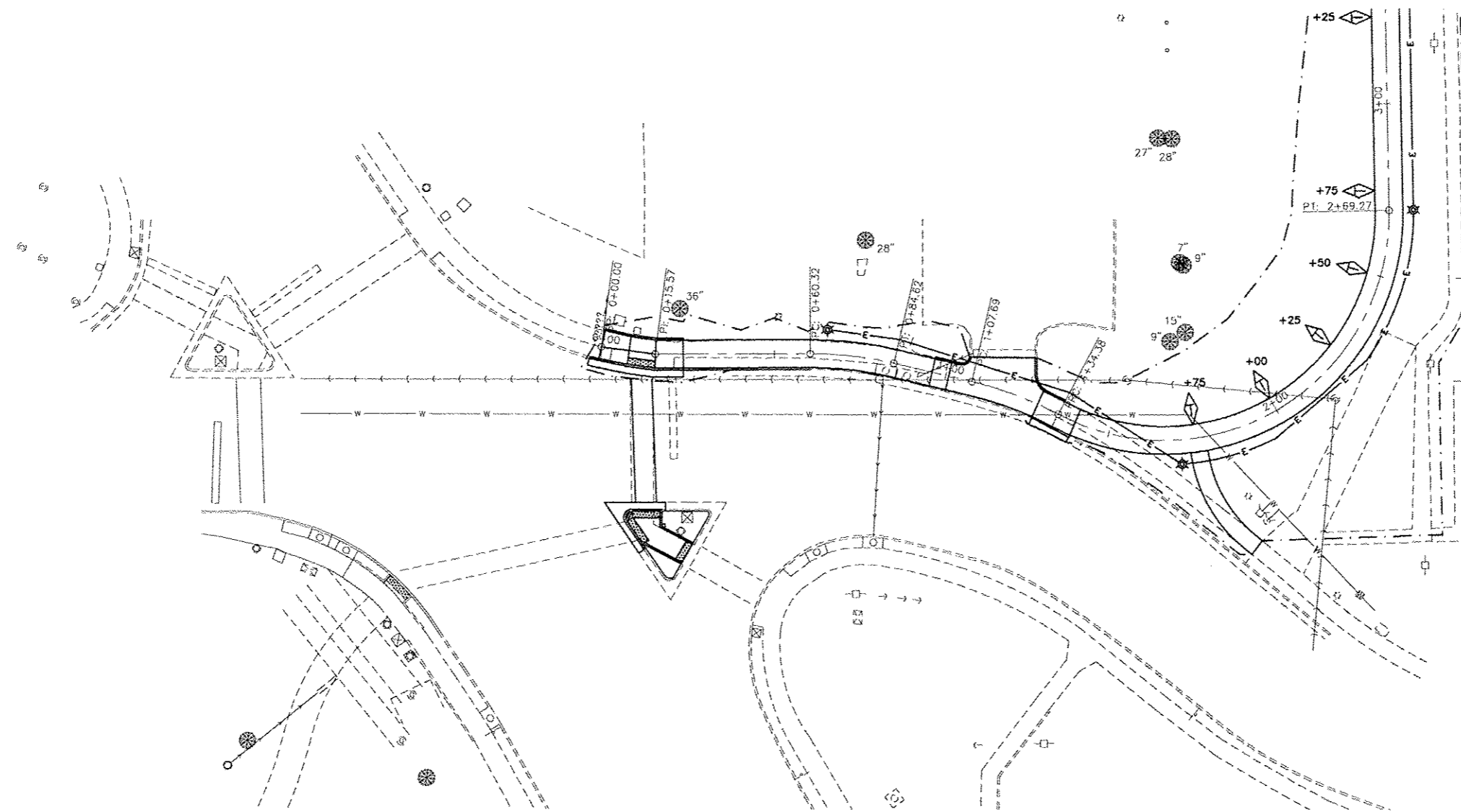
TEMPORARY DITCH CHECKS	
STATION	FOOT
1+75 LT	7.0
2+00 LT	7.0
2+25 LT	7.0
2+50 LT	7.0
2+75 LT	7.0
3+25 LT	7.0
TOTAL	42.0

PERIMETER EROSION BARRIER	
STATION TO STATION	LENGTH
3+94.7 LT TO 11+29.8 LT	725.0
TOTAL	725.0

INLET AND PIPE PROTECTION	
STATION	EACH
7+91.1, 14.8' RT	1
12+32.8, 7.3' RT	1
12+94.8, 9.8' RT	1
TOTAL	3

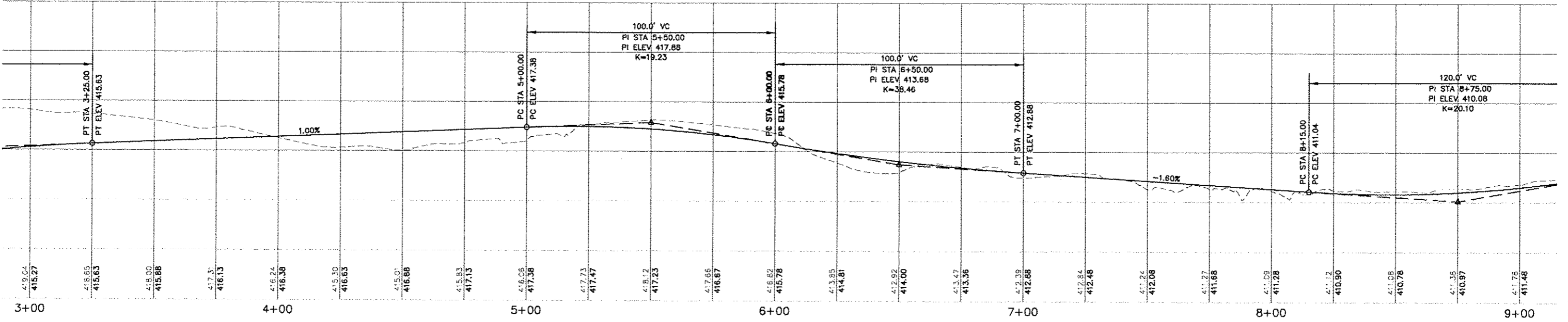
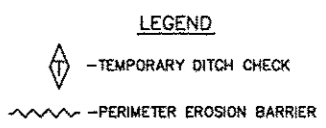
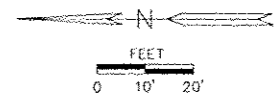
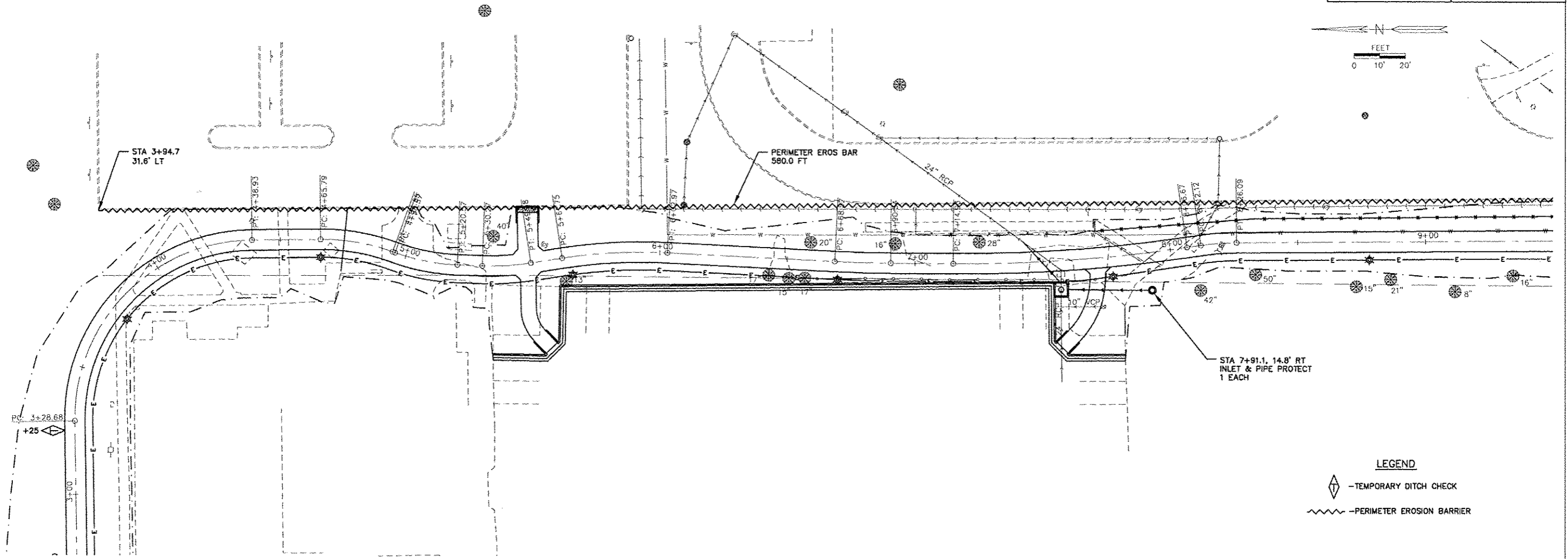
LEGEND

- TEMPORARY DITCH CHECK
- PERIMETER EROSION BARRIER



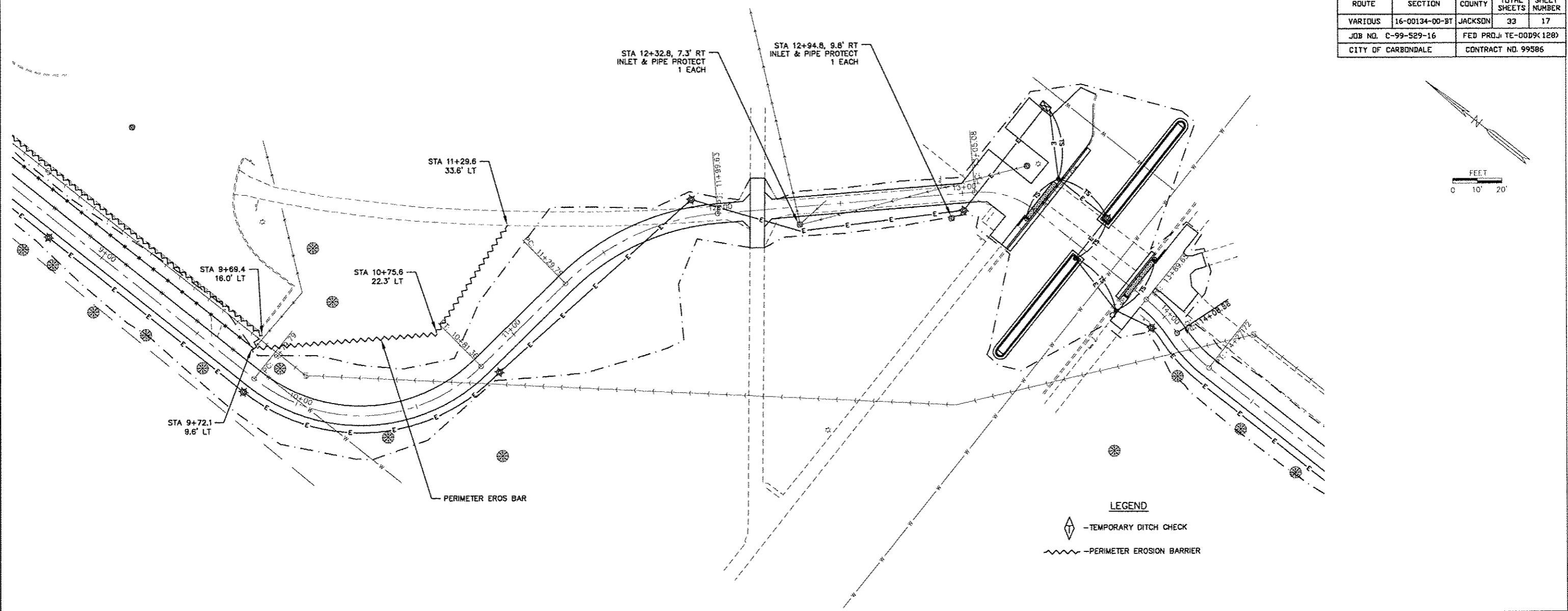
EROSION CONTROL PLAN STA. 0+00 TO STA. 3+00

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
VARIOUS	16-00134-00-BT	JACKSON	33	16
JOB NO. C-99-529-16		FED PROJ. TE-00D9K12B)		
CITY OF CARBONDALE		CONTRACT NO. 99586		



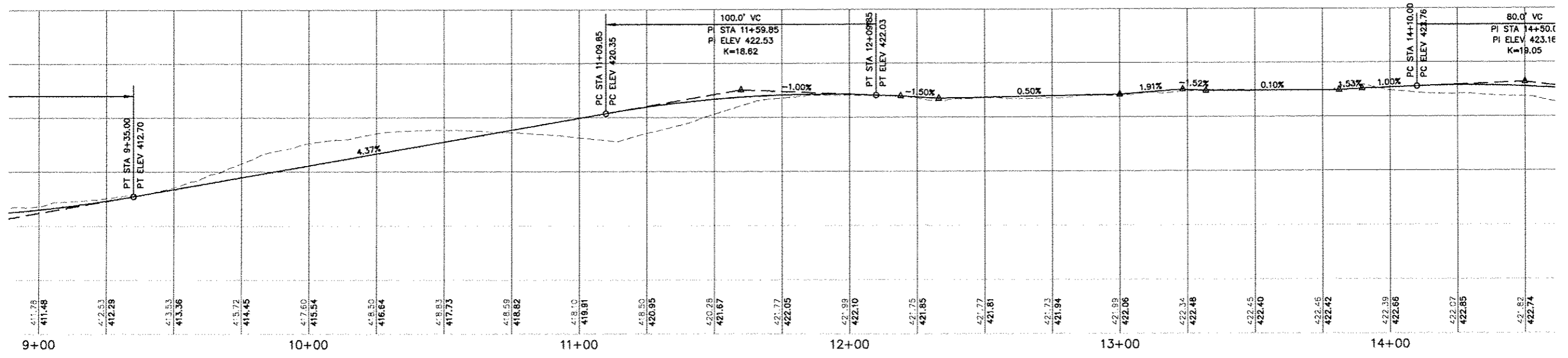
EROSION CONTROL PLAN STA. 3+00 TO STA. 9+00

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
VARIJUS	16-00134-00-BT	JACKSON	33	17
JOB NO. C-99-529-16		FED PROJ# TE-00D9K128		
CITY OF CARBONDALE		CONTRACT NO. 99586		



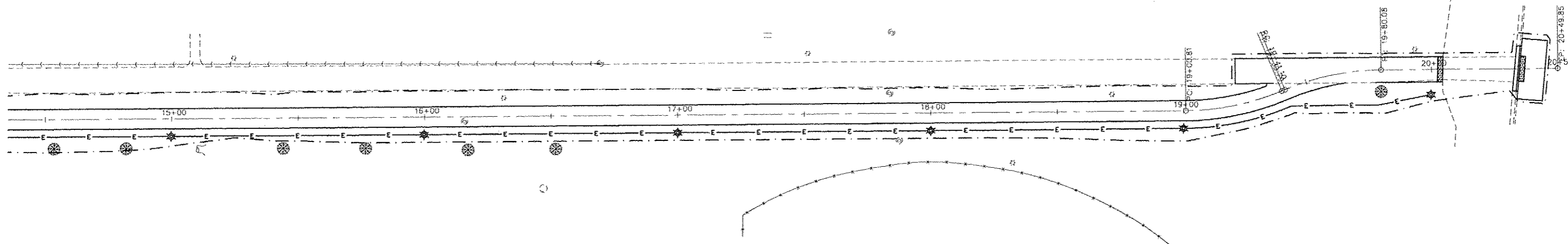
LEGEND

- ◇ - TEMPORARY DITCH CHECK
- ~ - PERIMETER EROSION BARRIER



EROSION CONTROL PLAN STA. 9+00 TO 14+50

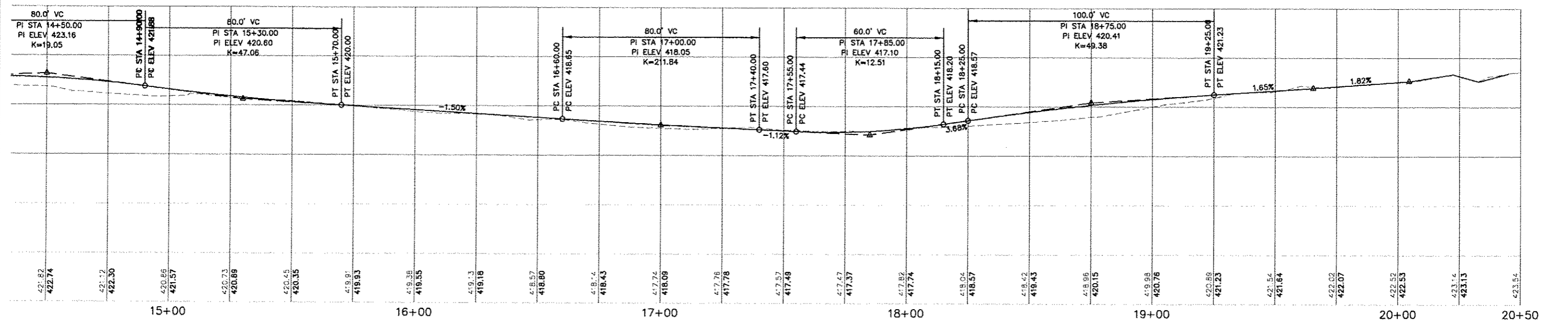
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VARIOUS	16-00134-00-BT	JACKSON	33	18
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CITY OF CARBONDALE		CONTRACT NO. 99586		



LEGEND

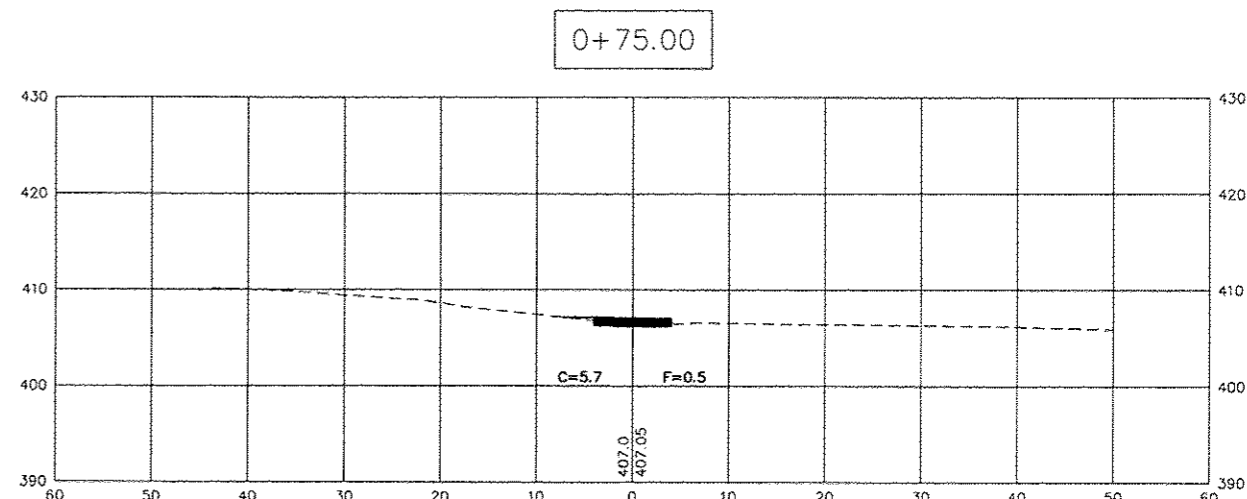
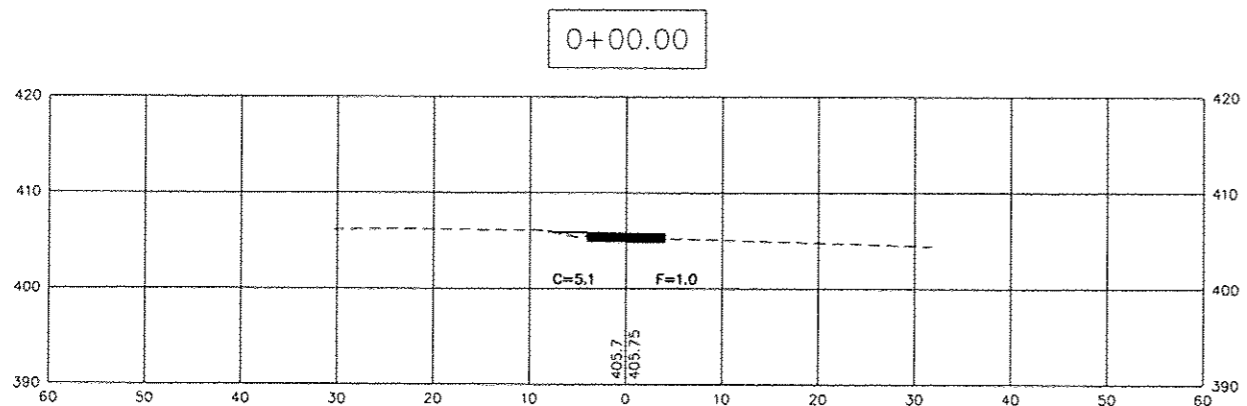
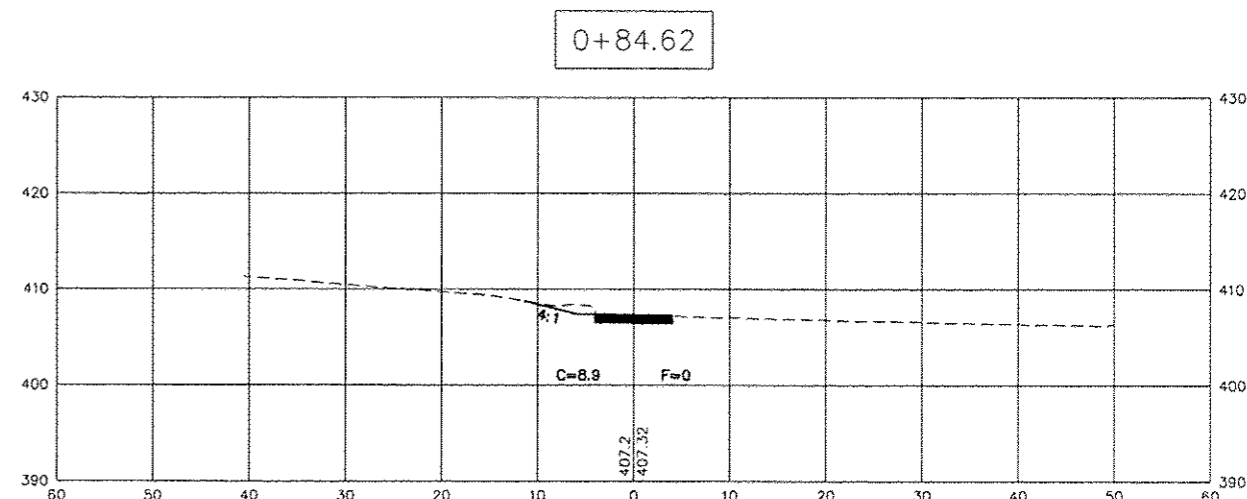
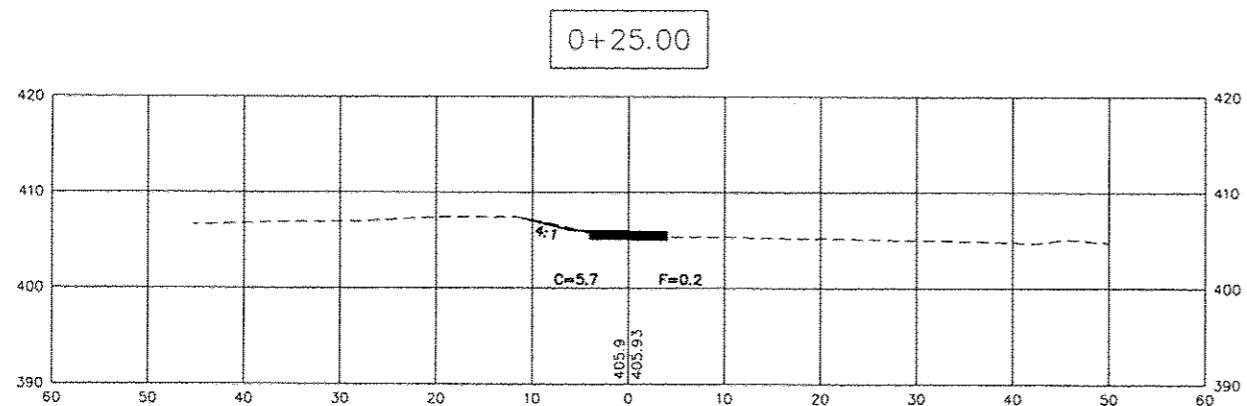
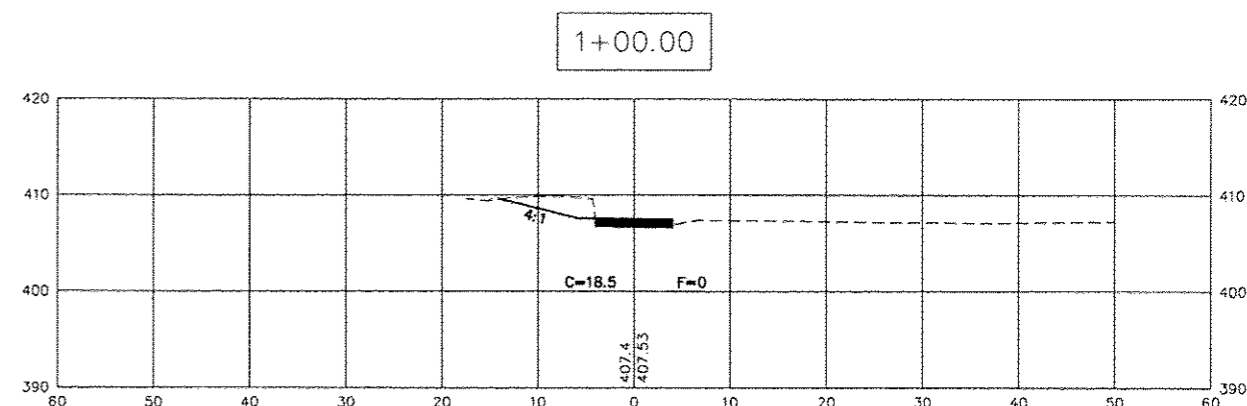
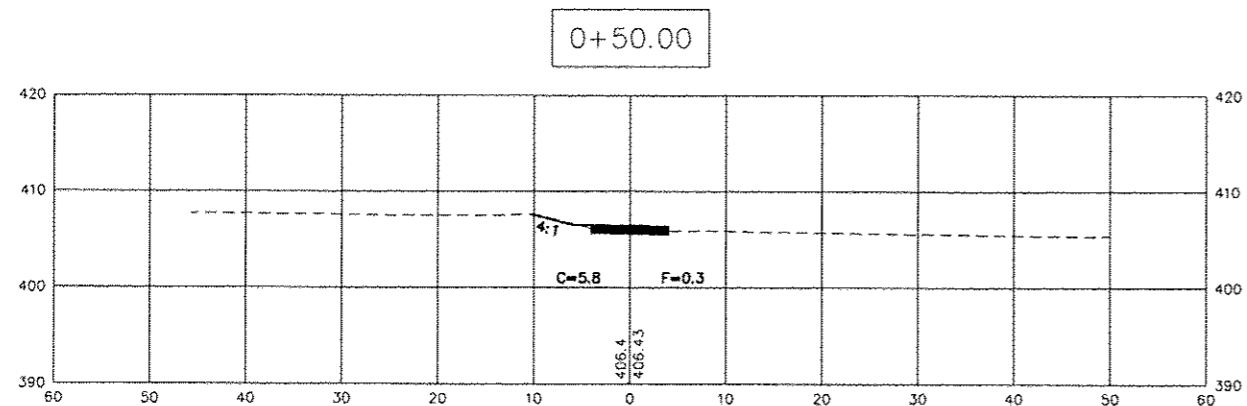
-TEMPORARY DITCH CHECK

-PERIMETER EROSION BARRIER

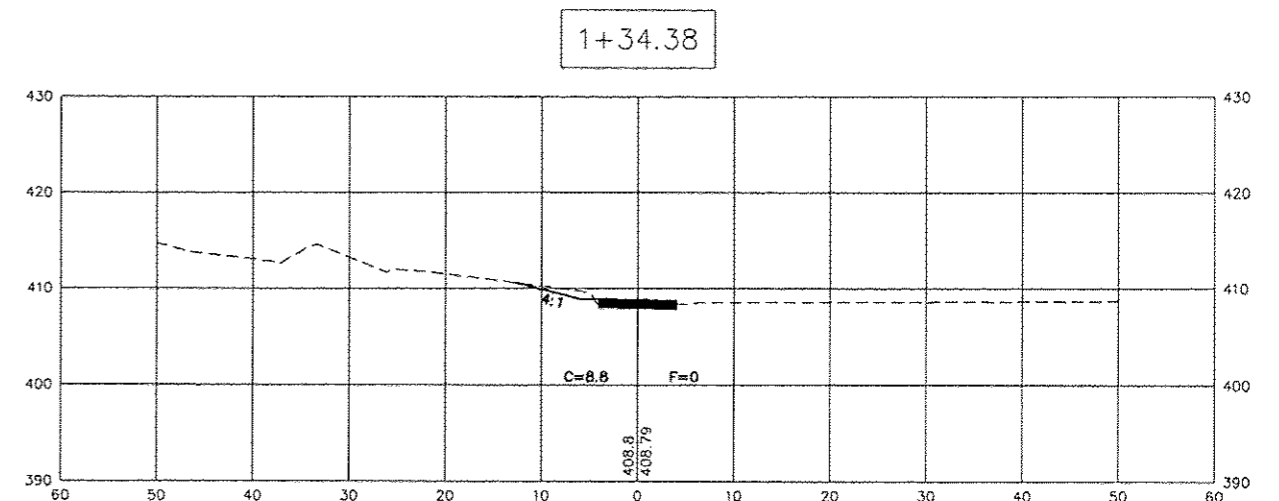
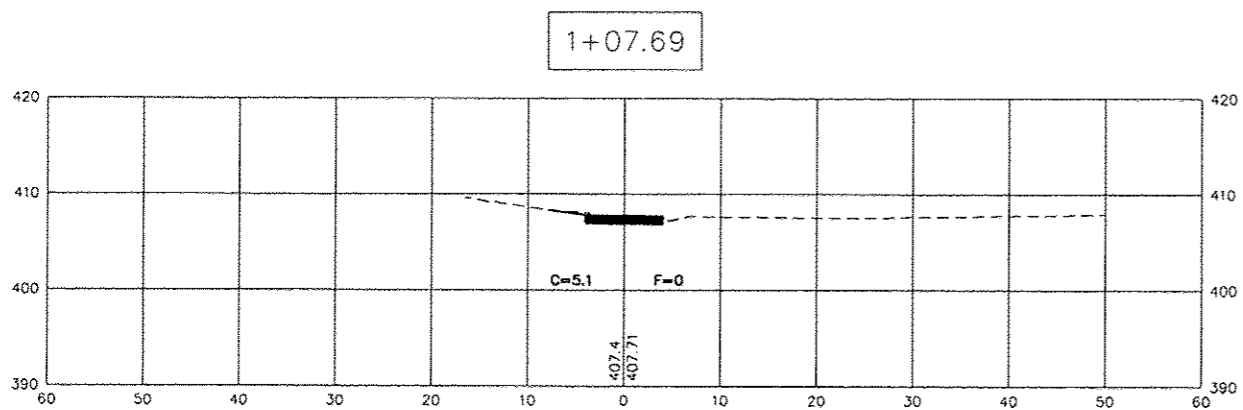
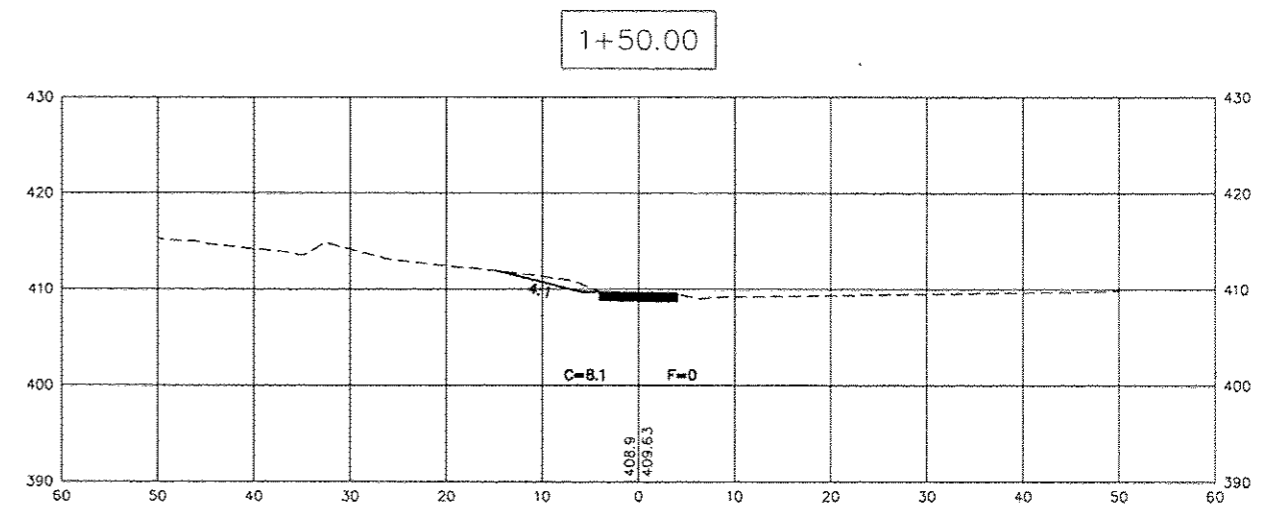
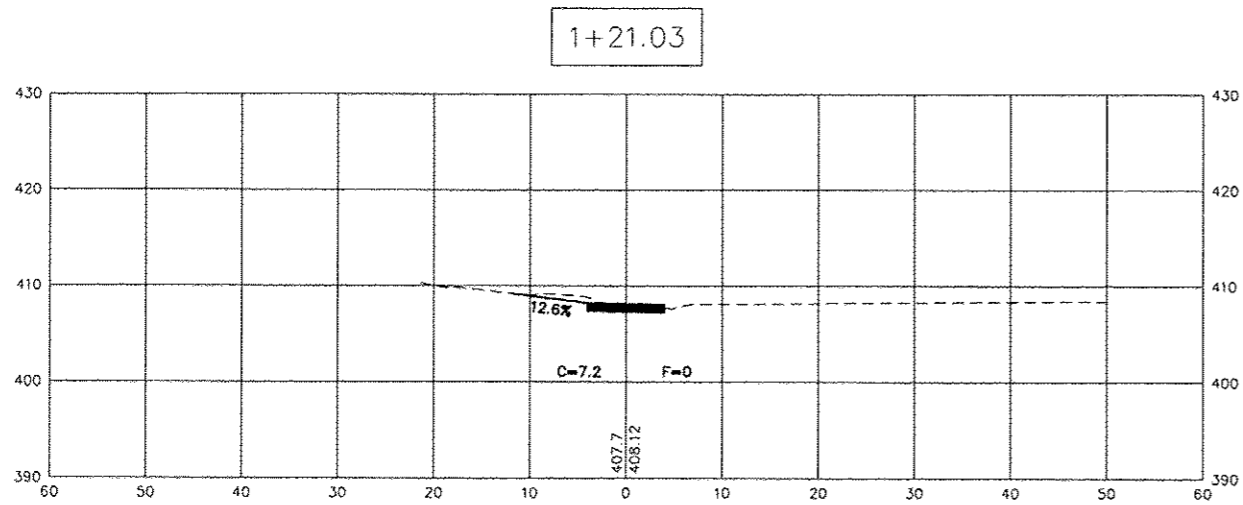
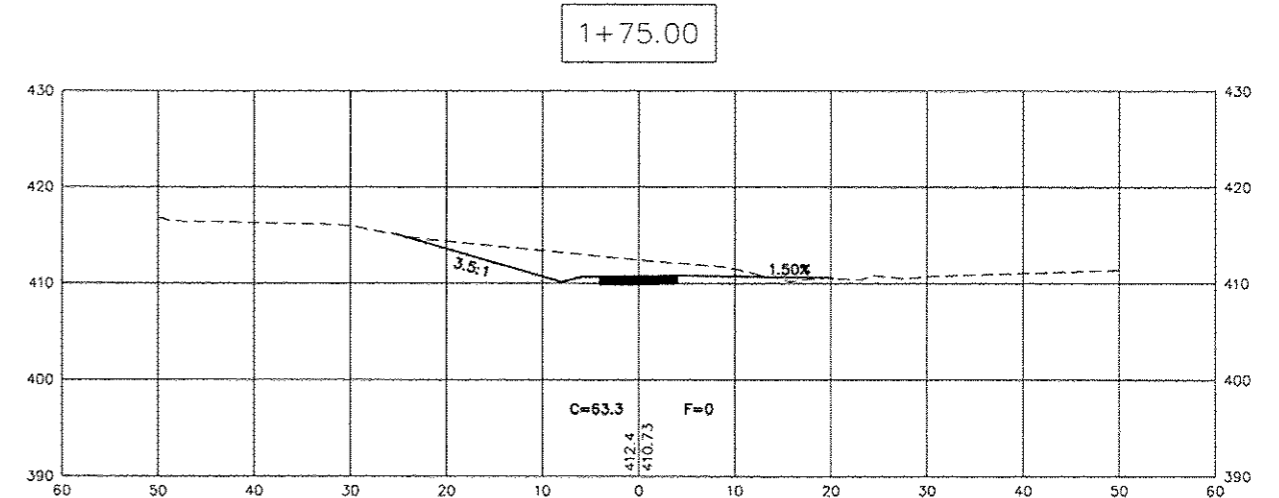
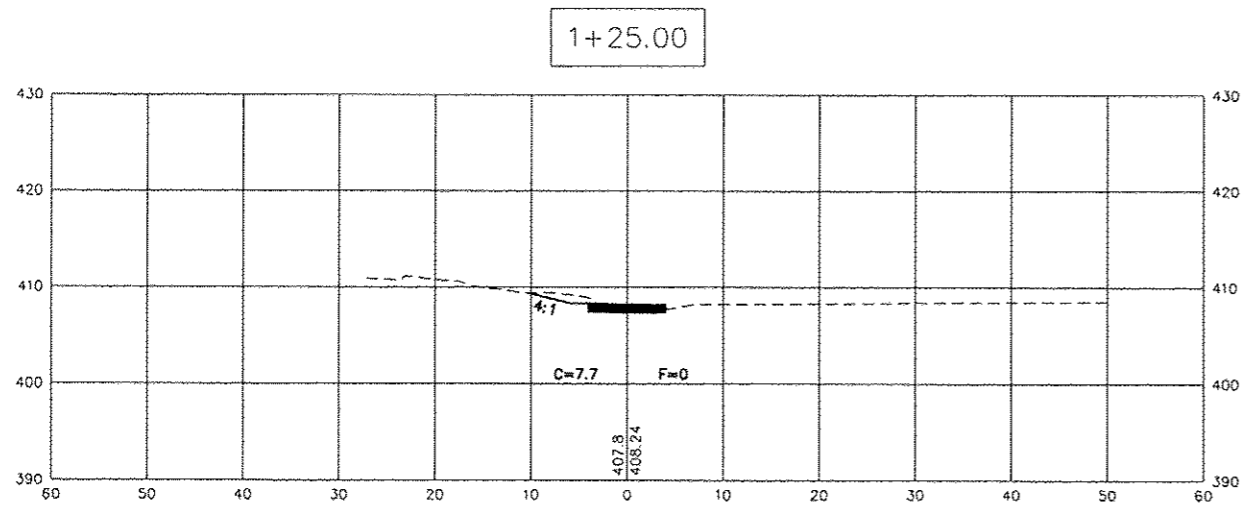


EROSION CONTROL PLAN STA. 14+50 TO STA. 20+50

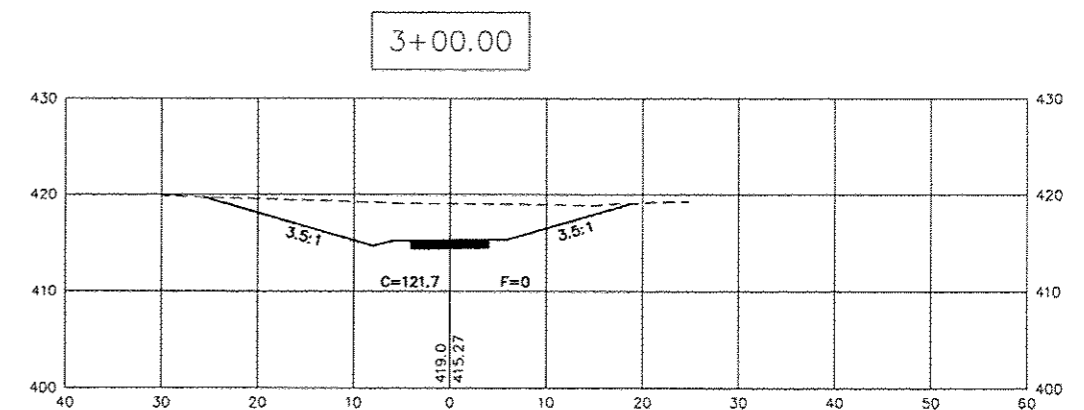
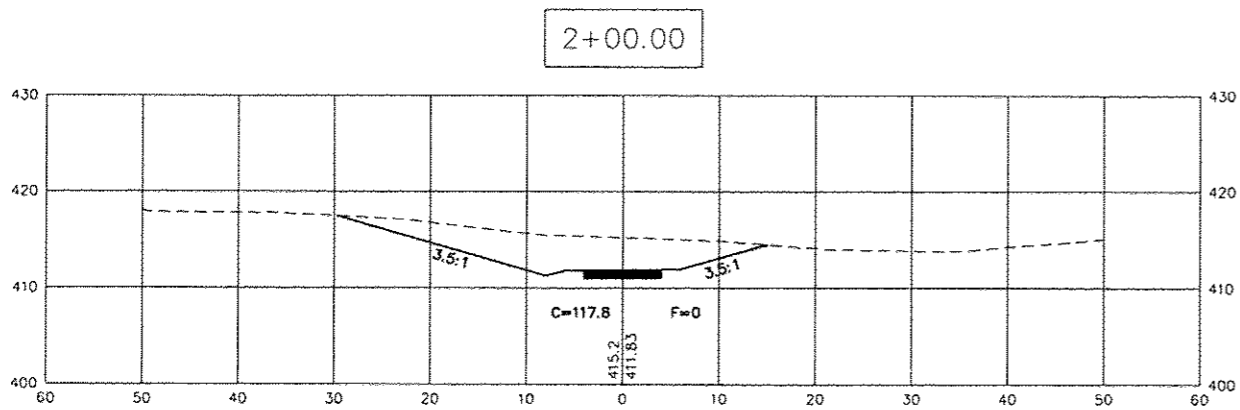
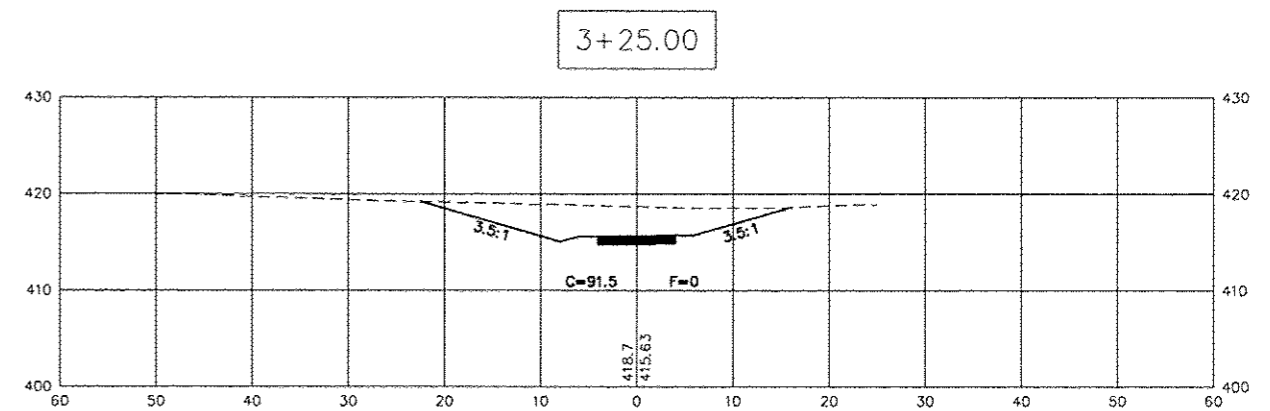
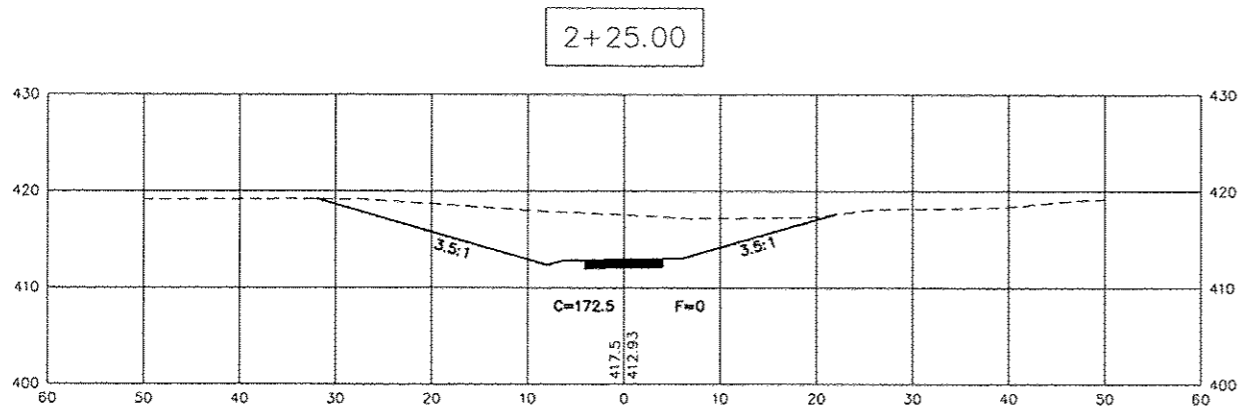
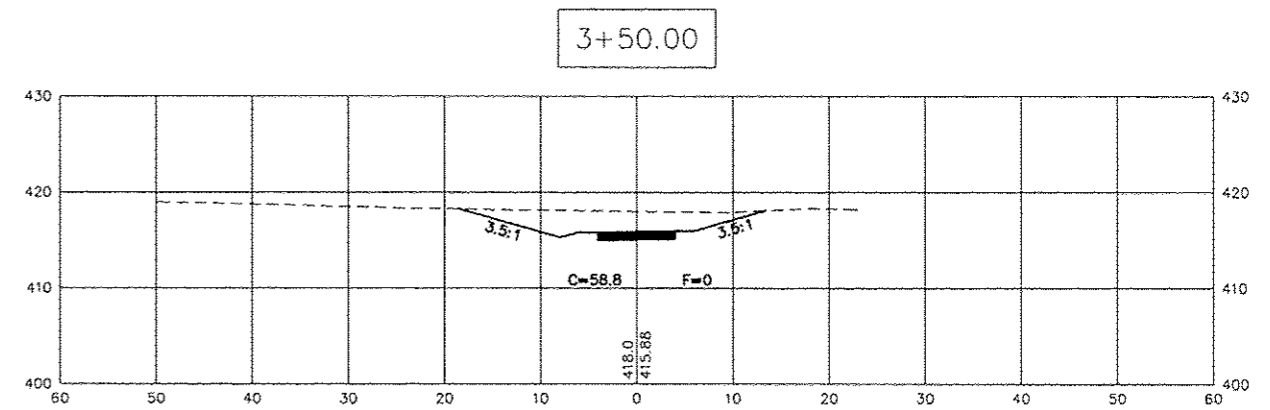
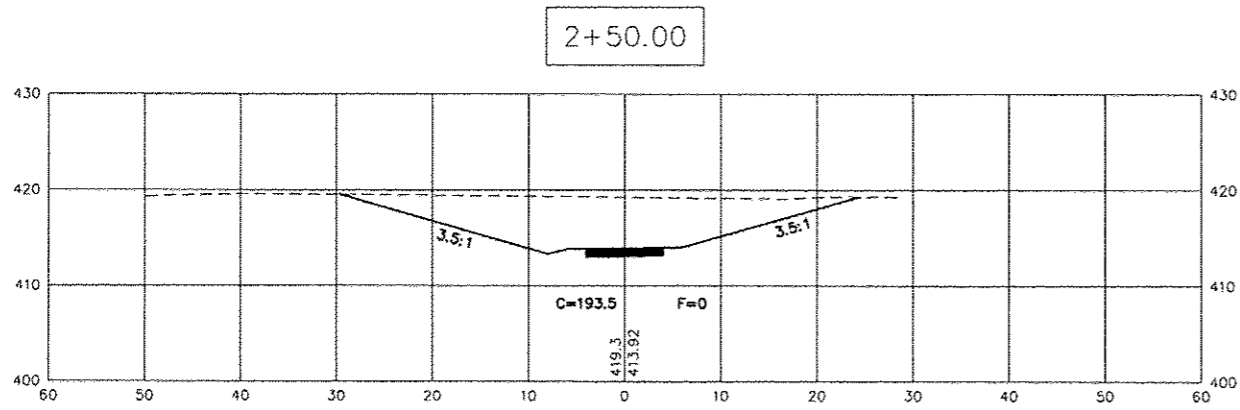
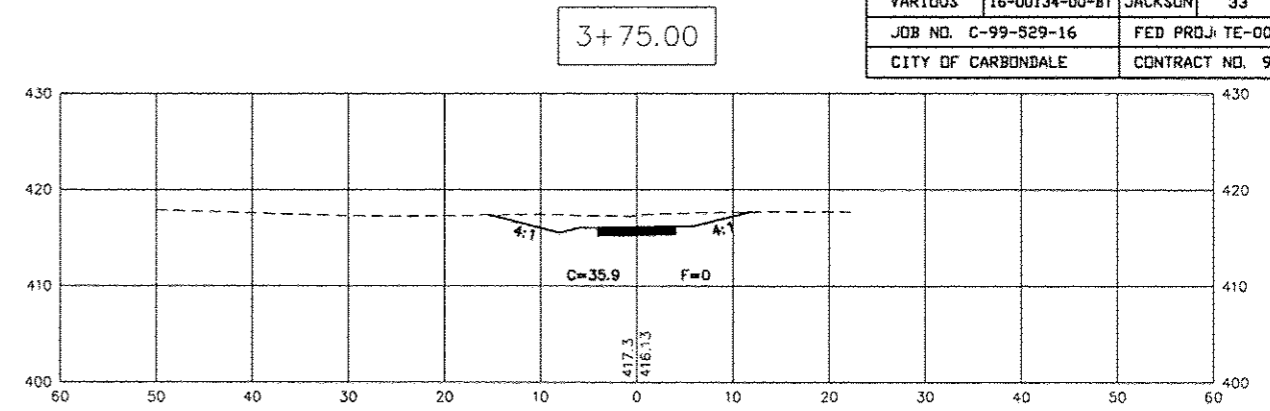
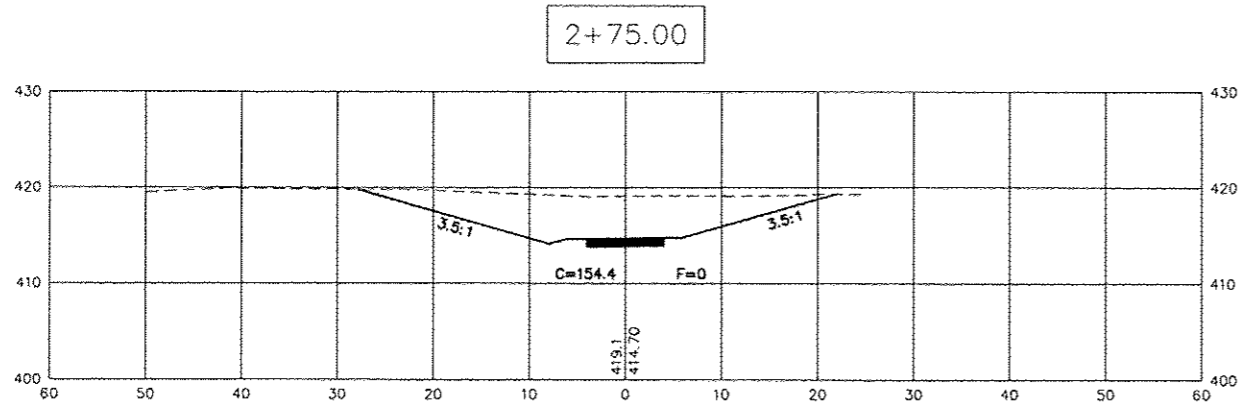
ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
VARIOUS	16-00134-00-BT	JACKSON	33	19
JOB NO. C-99-529-16		FED PROJ: TE-00D9(12B)		
CITY OF CARBONDALE		CONTRACT NO. 99586		



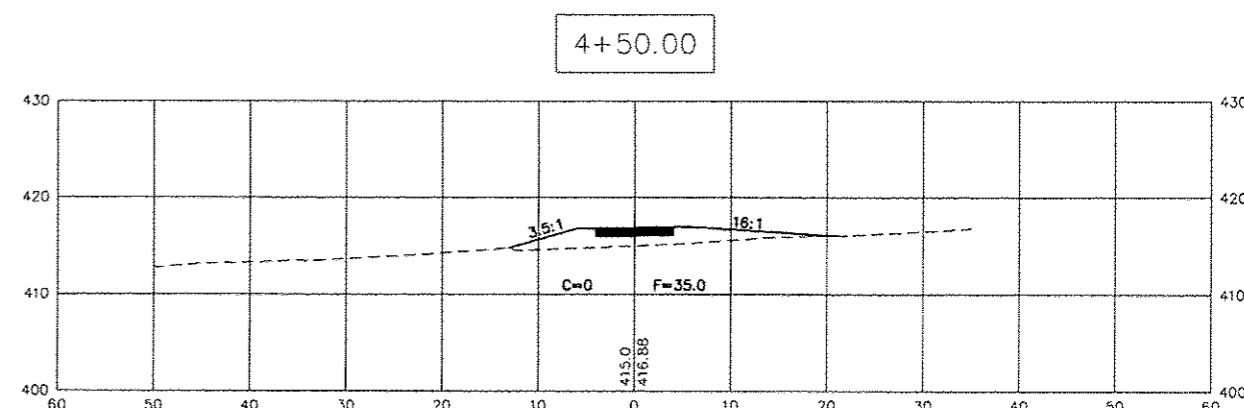
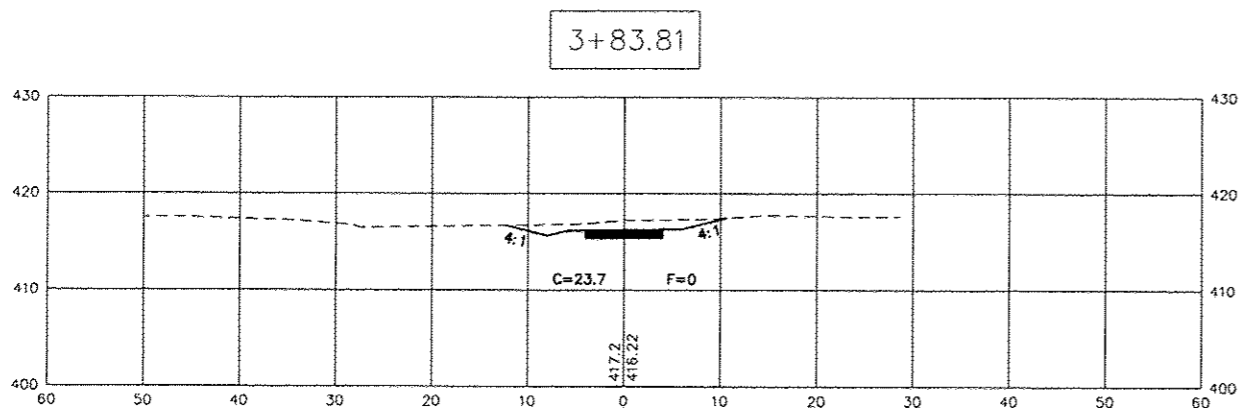
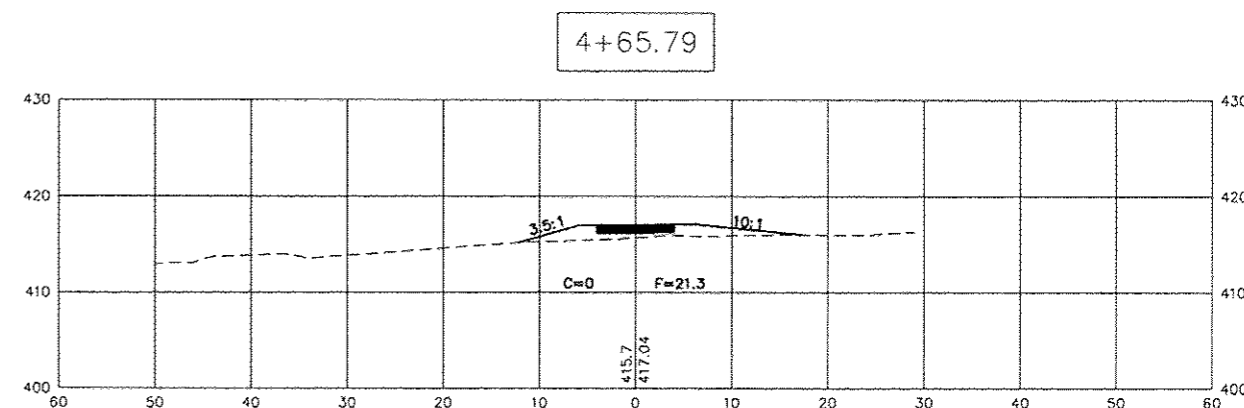
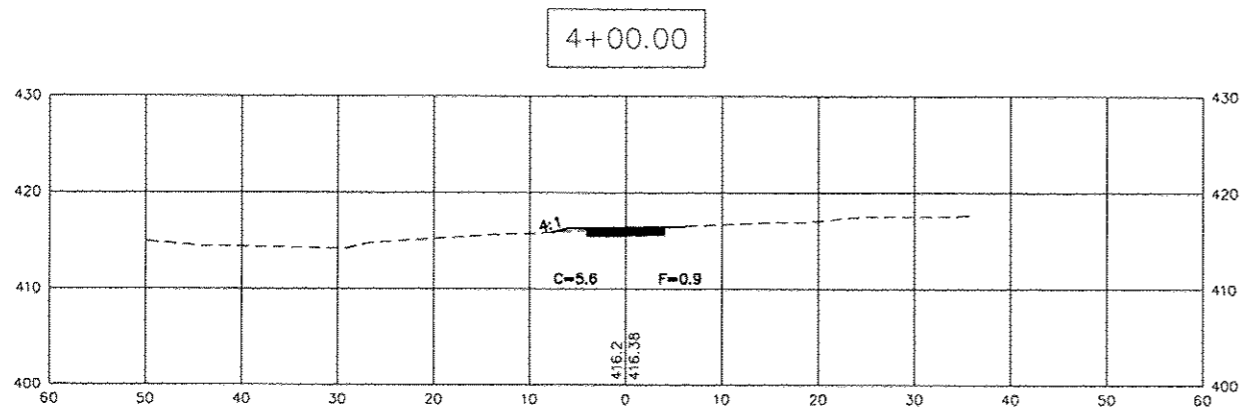
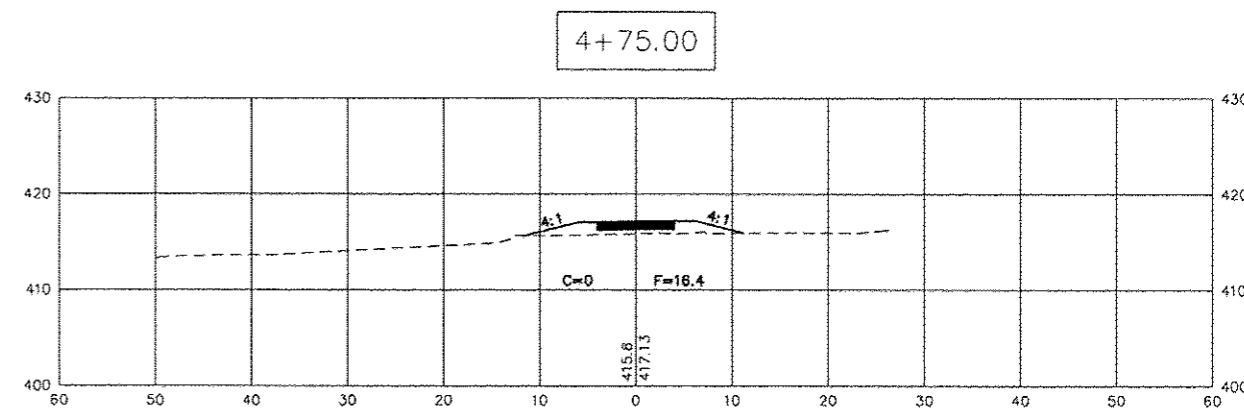
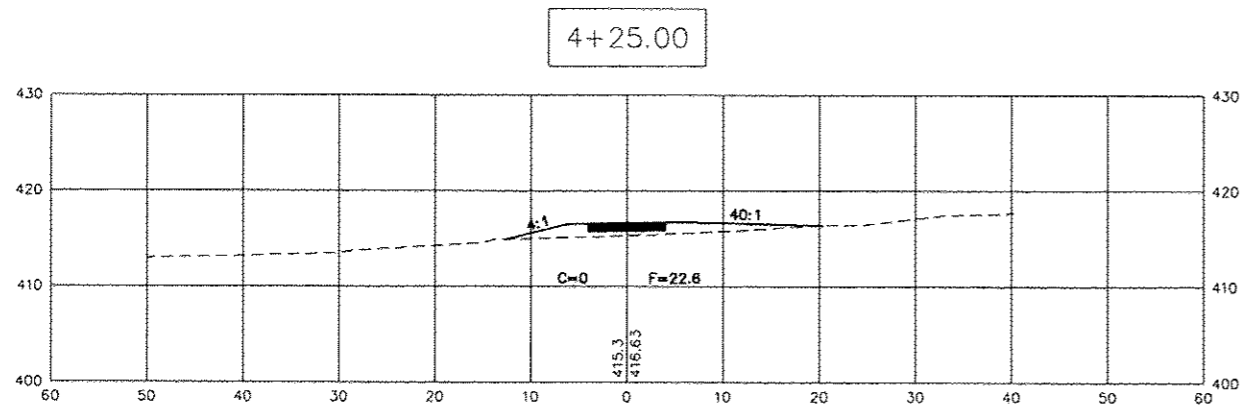
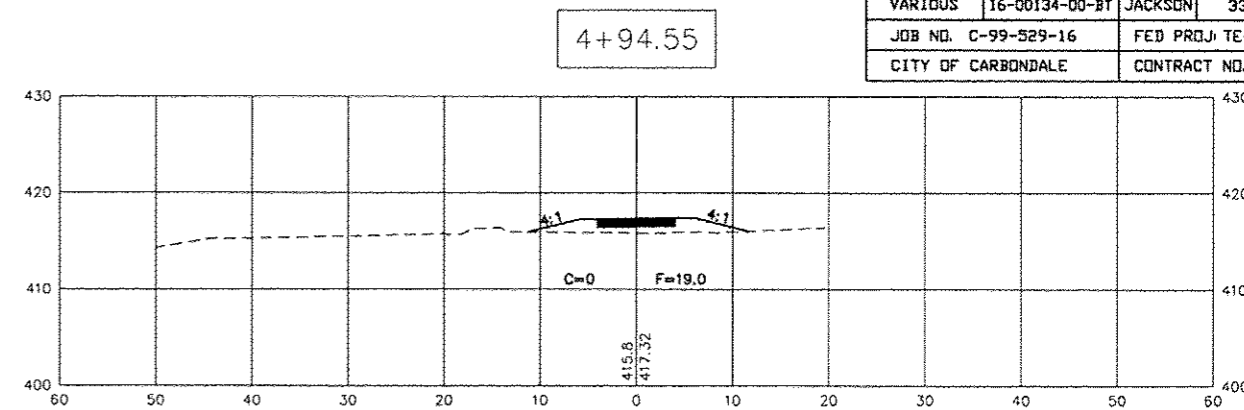
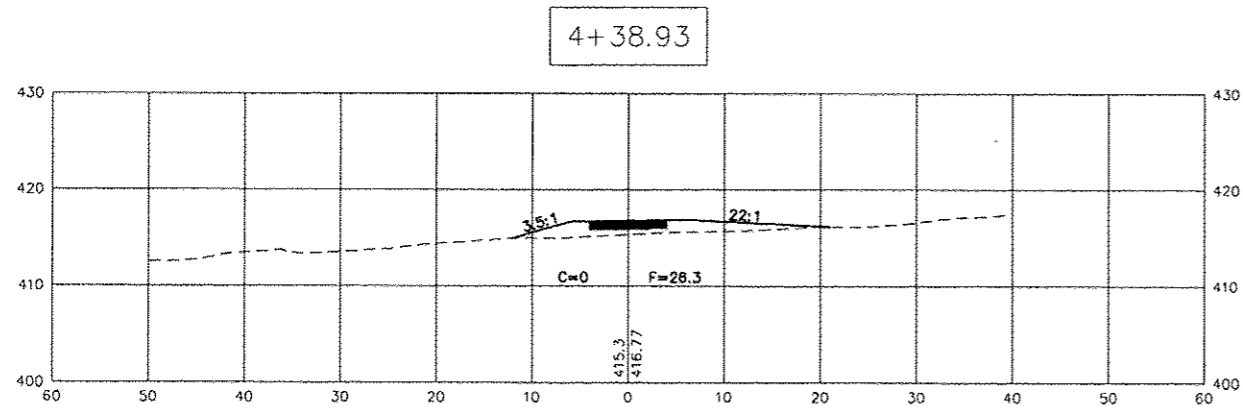
ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
VARIOUS	16-00134-00-BT	JACKSON	33	20
JOB NO. C-99-529-16		FED PROJ. TE-00D9(128)		
CITY OF CARBONDALE		CONTRACT NO. 99586		



ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
VARIOUS	16-00134-00-BT	JACKSON	33	21
JOB NO. C-99-529-16		FED PROJ. TE-00D9(12B)		
CITY OF CARBONDALE		CONTRACT NO. 99586		

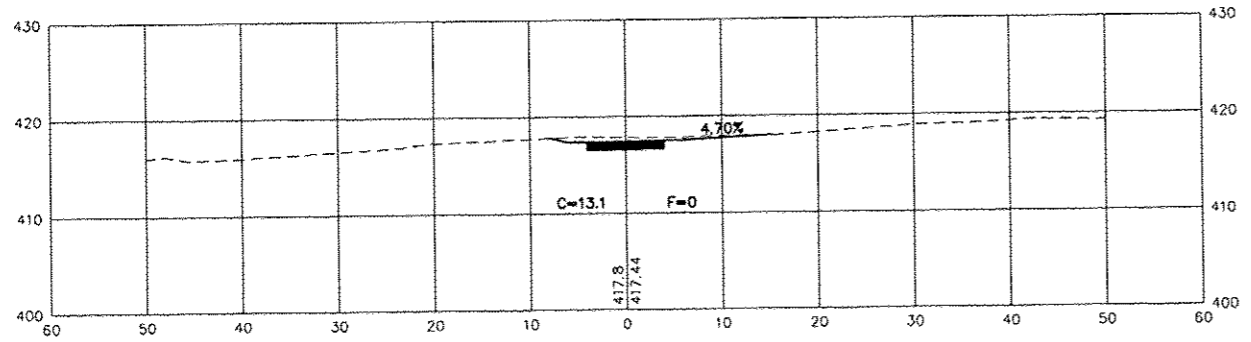


ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
VARIOUS	16-00134-00-BT	JACKSON	33	22
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CITY OF CARBONDALE		CONTRACT NO. 99586		

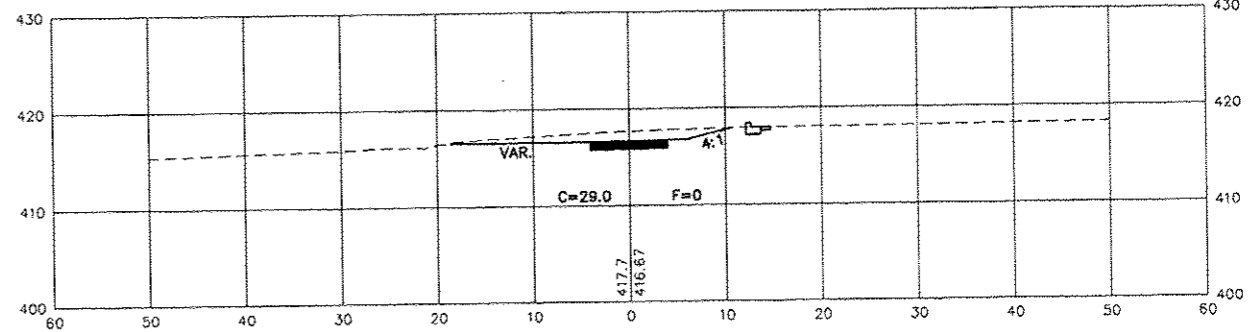


ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
VARIOUS	16-00134-00-BT	JACKSON	33	23
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CITY OF CARBONDALE		CONTRACT NO. 99586		

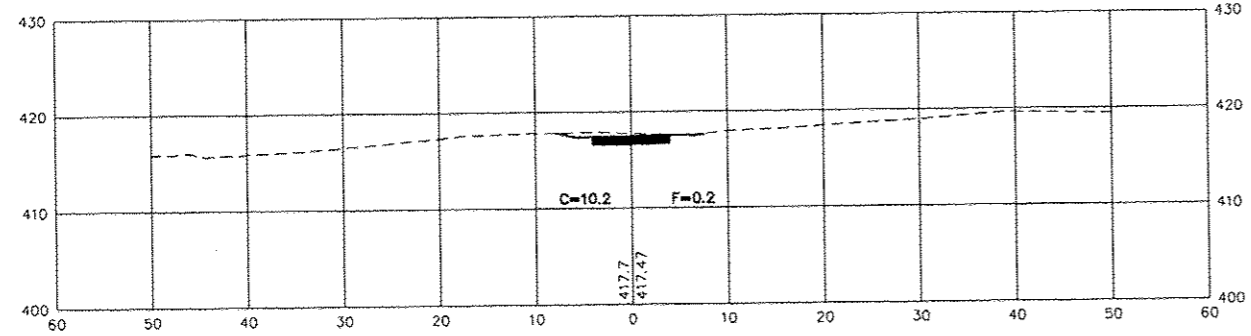
5+30.27



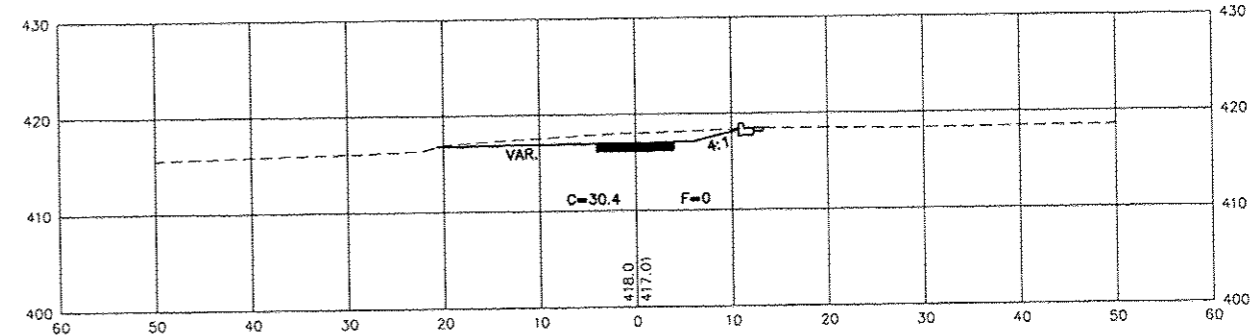
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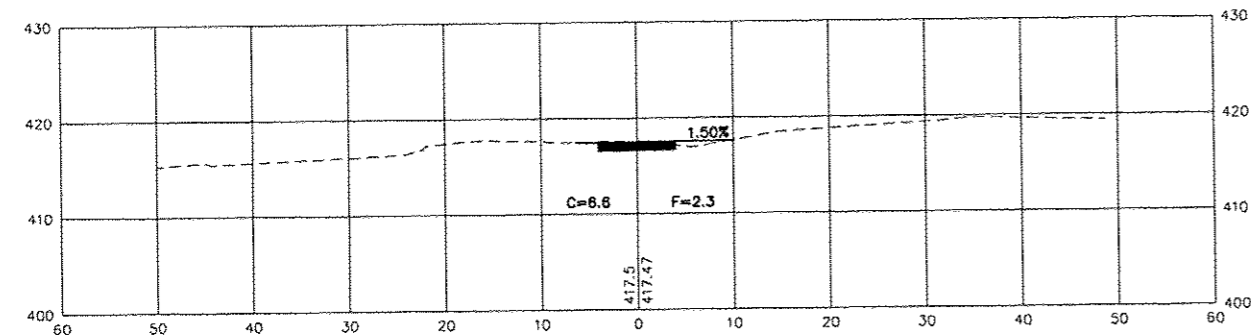
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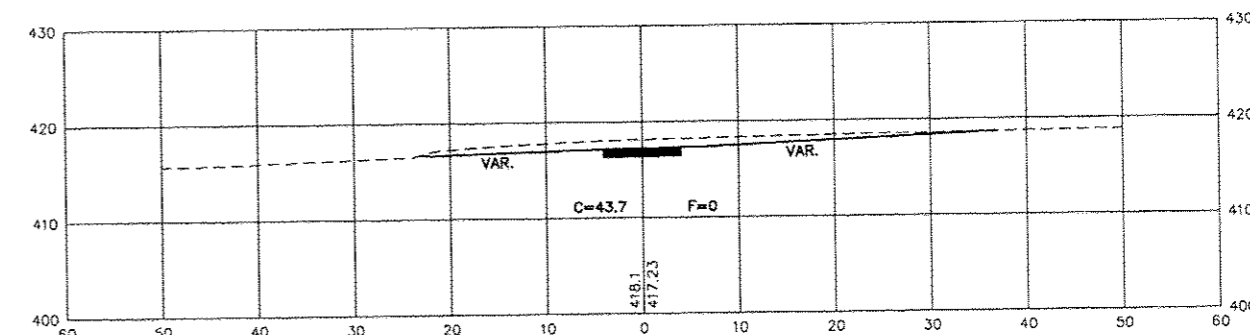
5+61.75



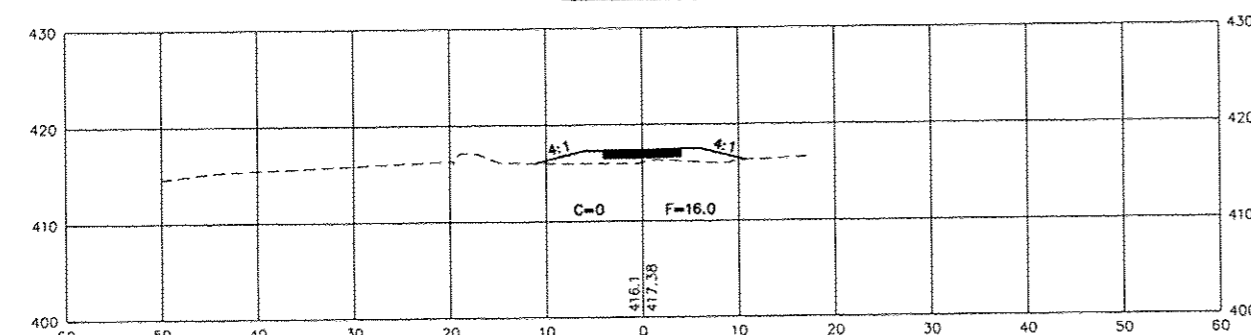
5+20.57



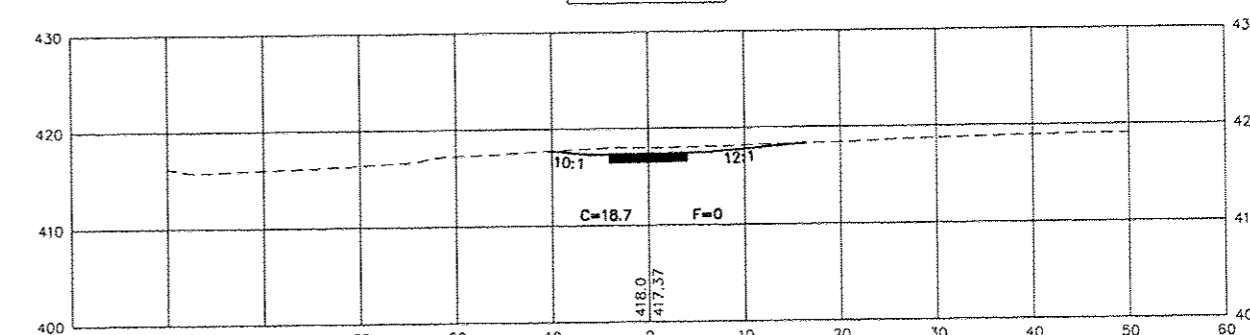
5+50.00



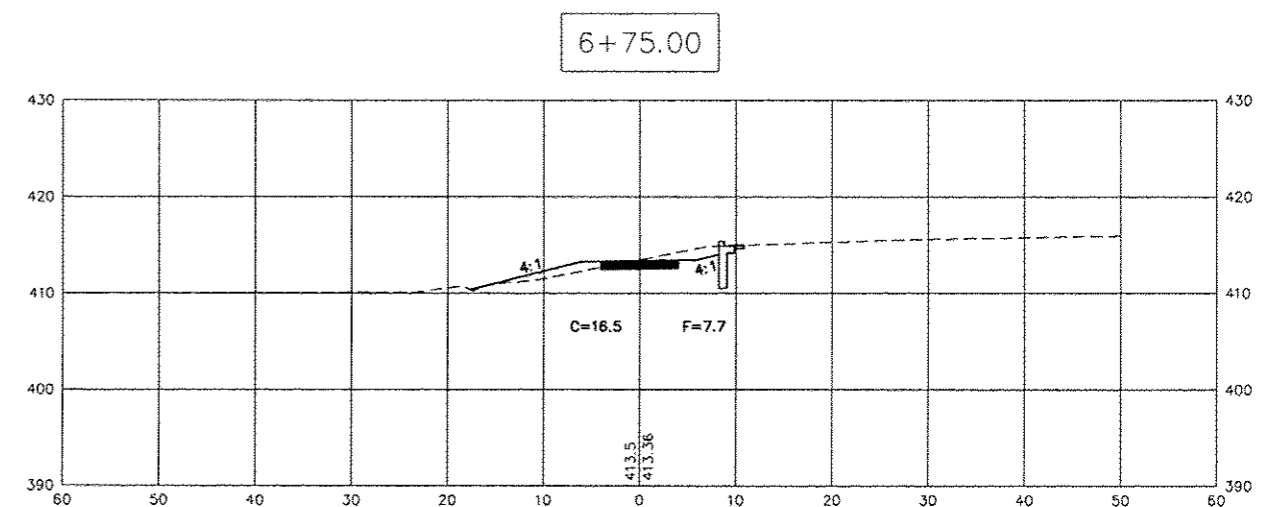
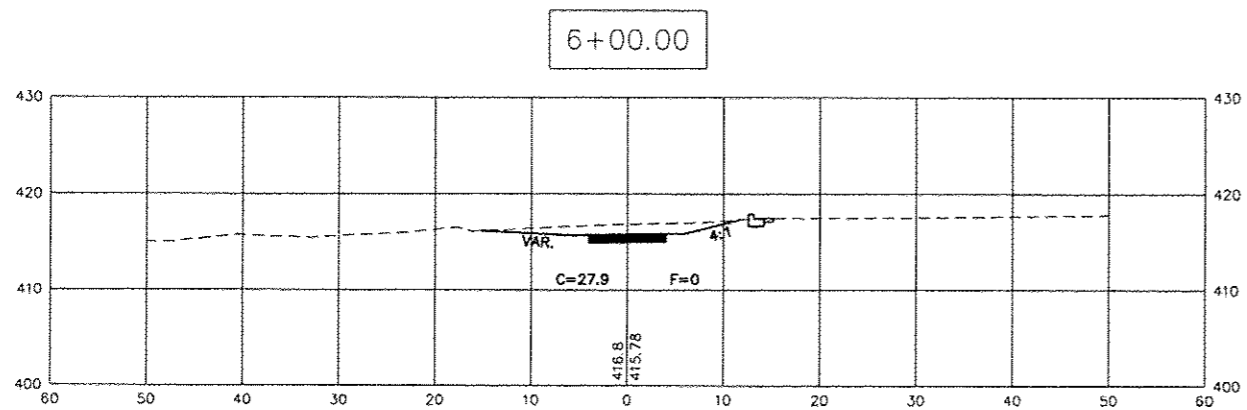
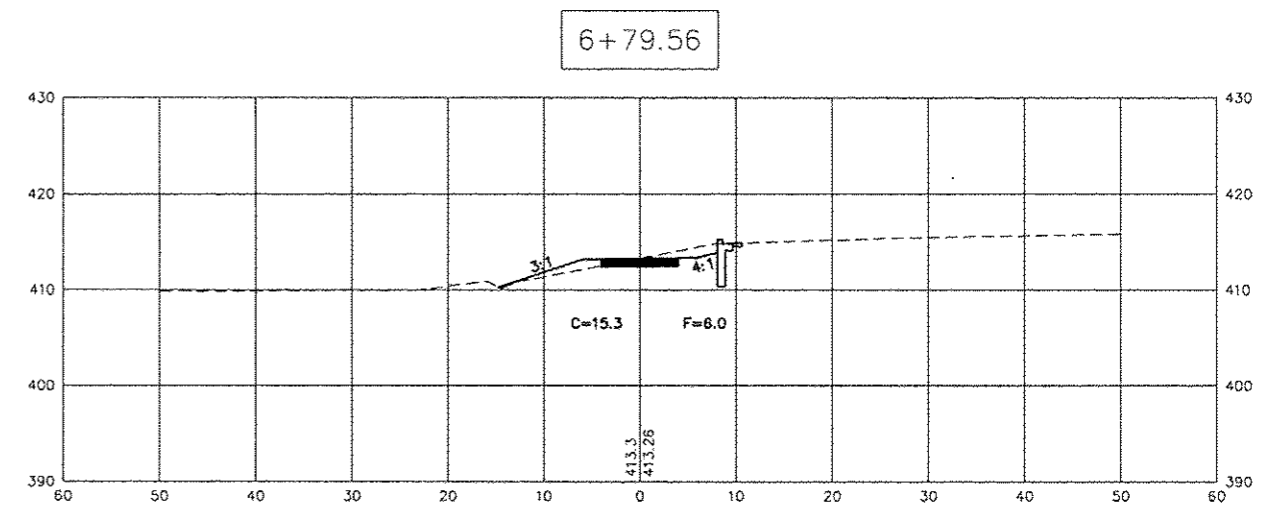
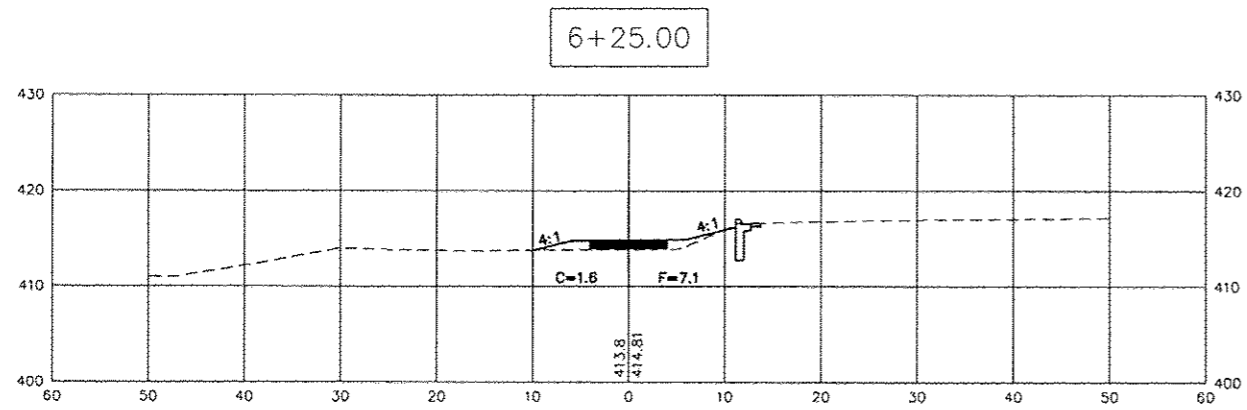
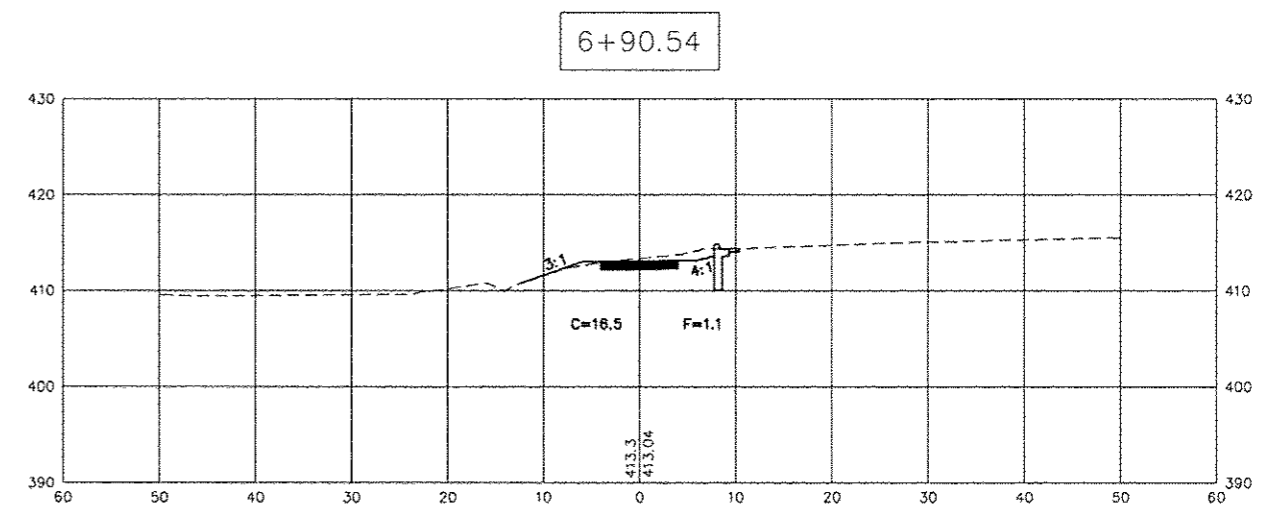
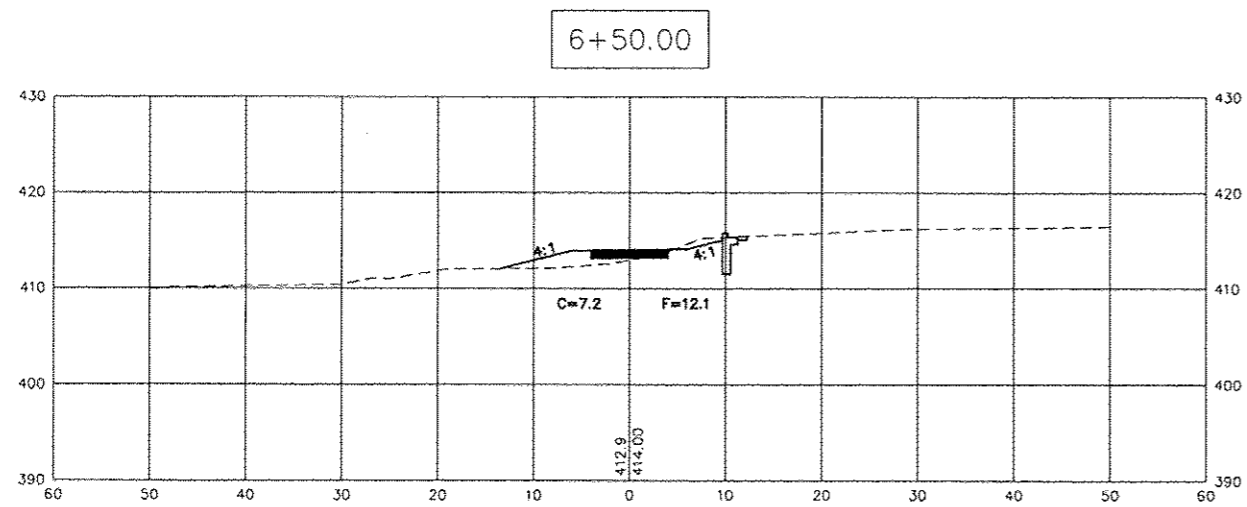
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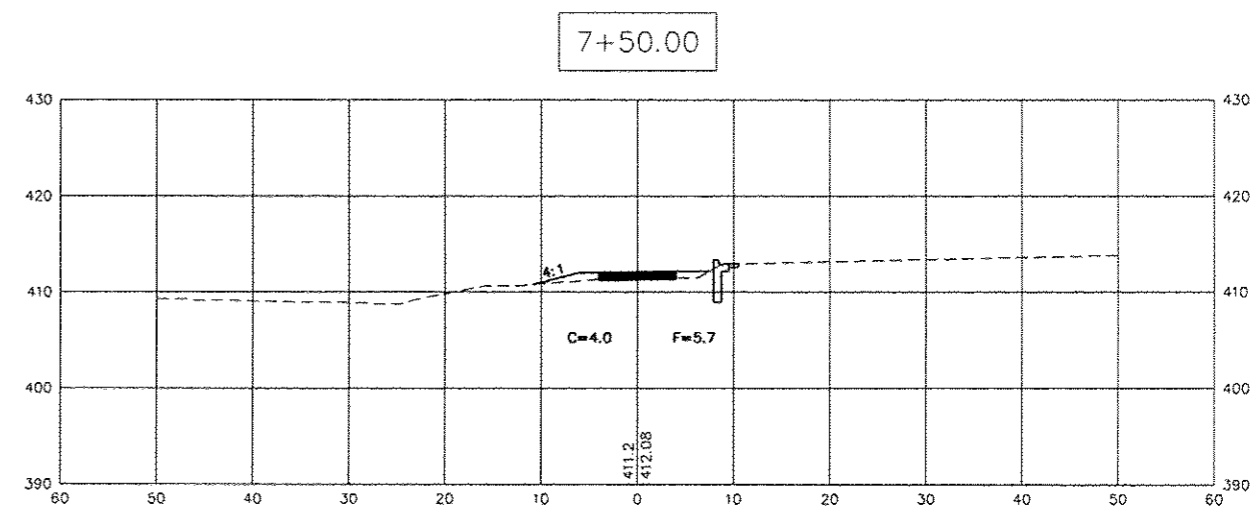
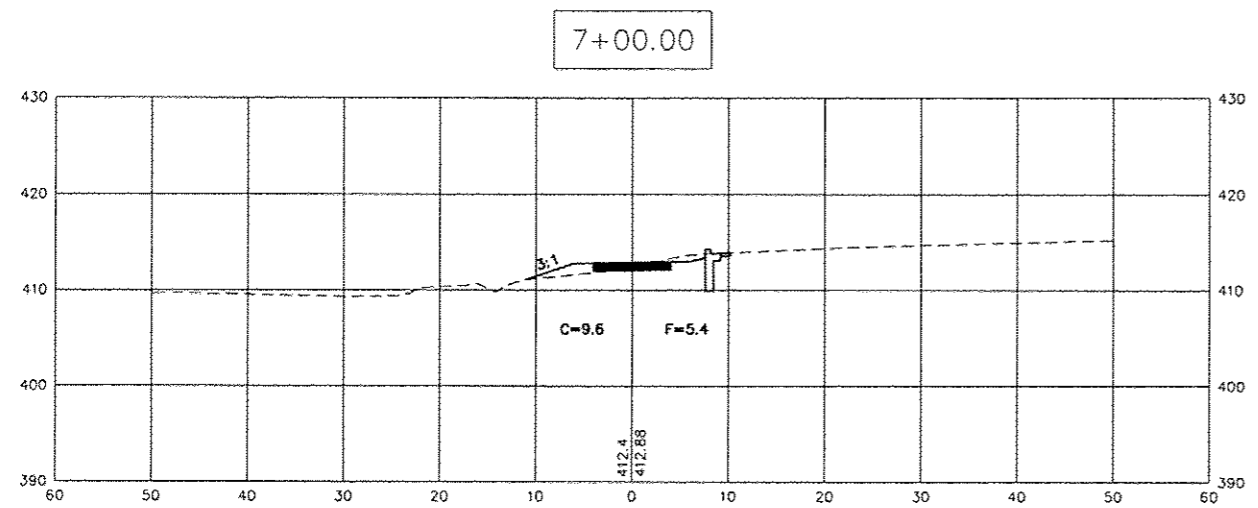
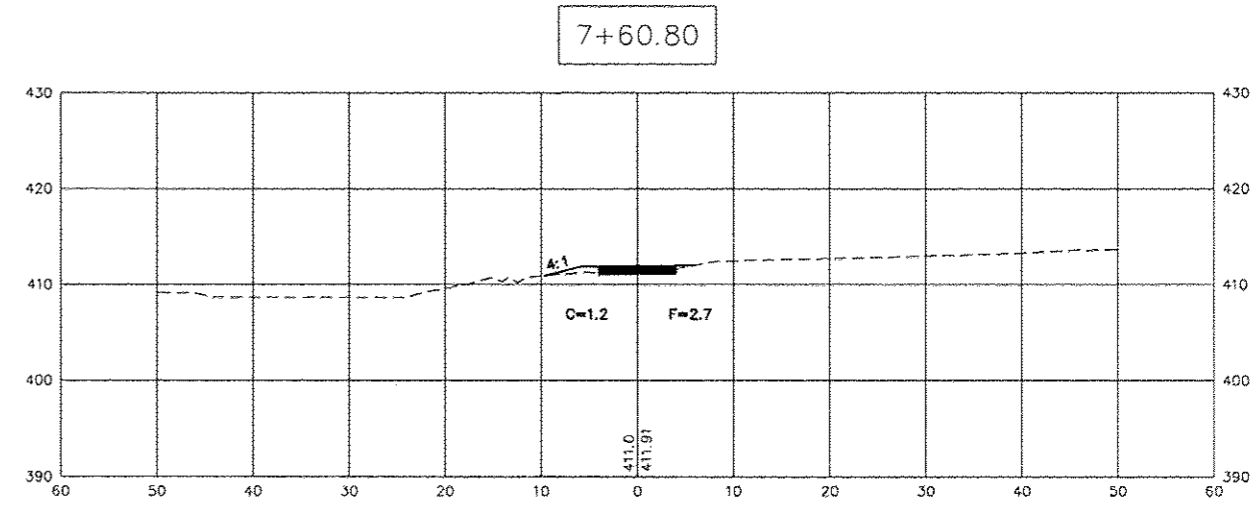
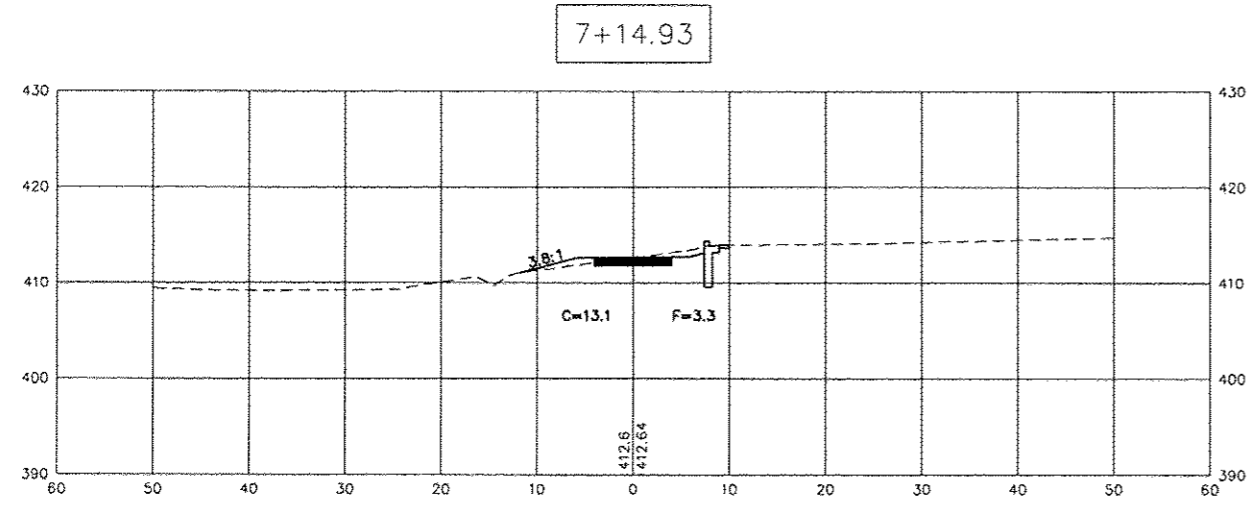
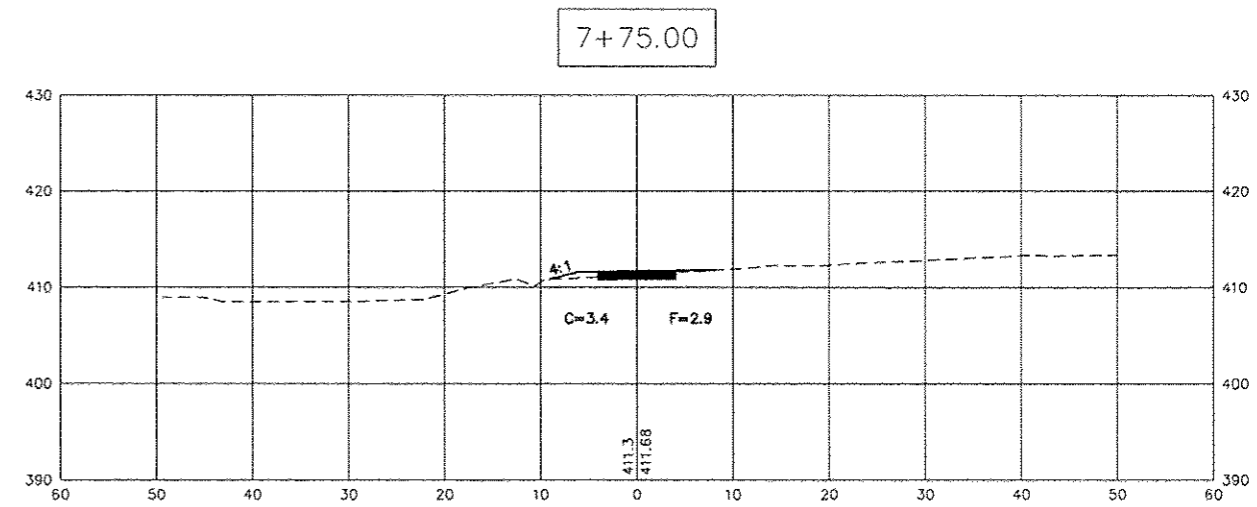
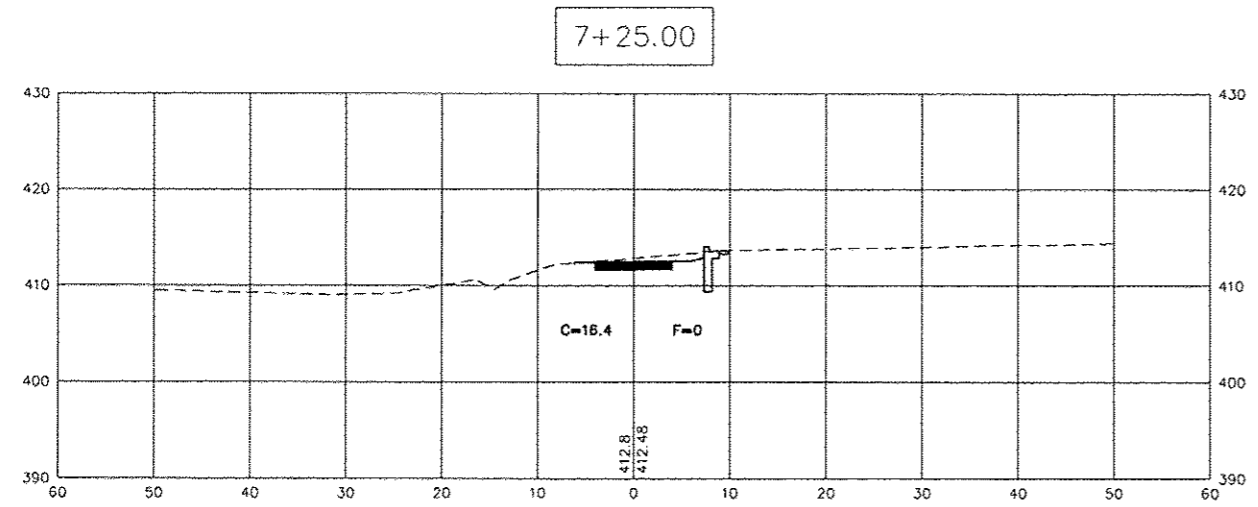
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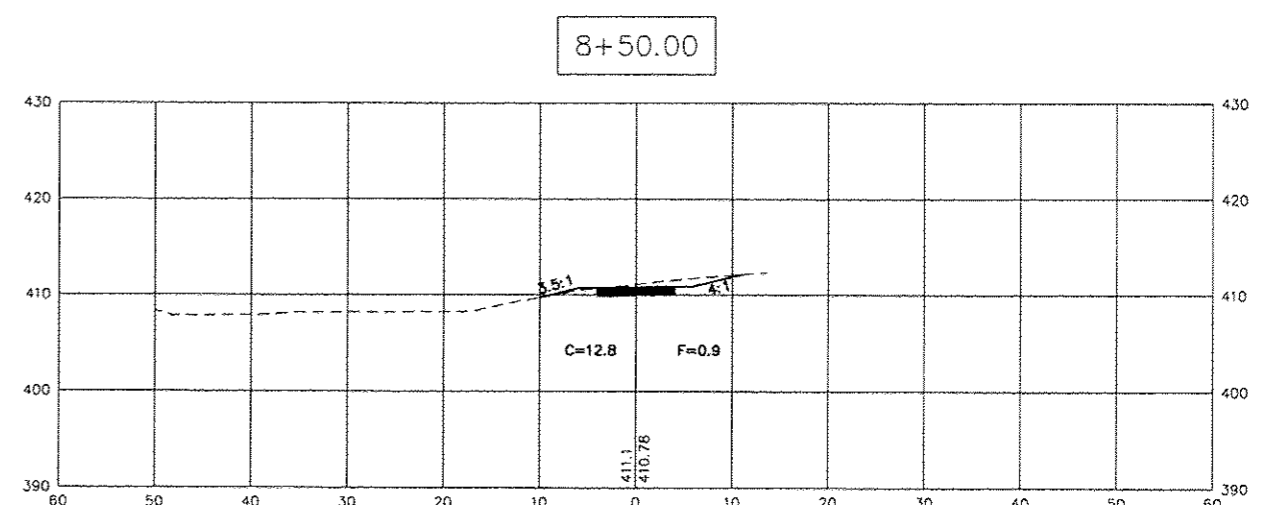
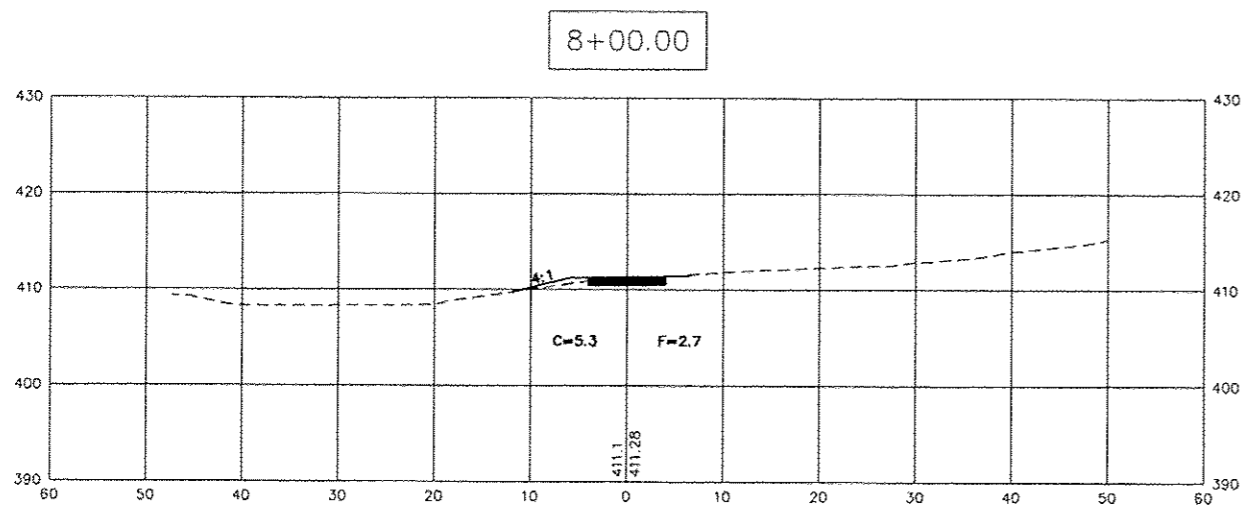
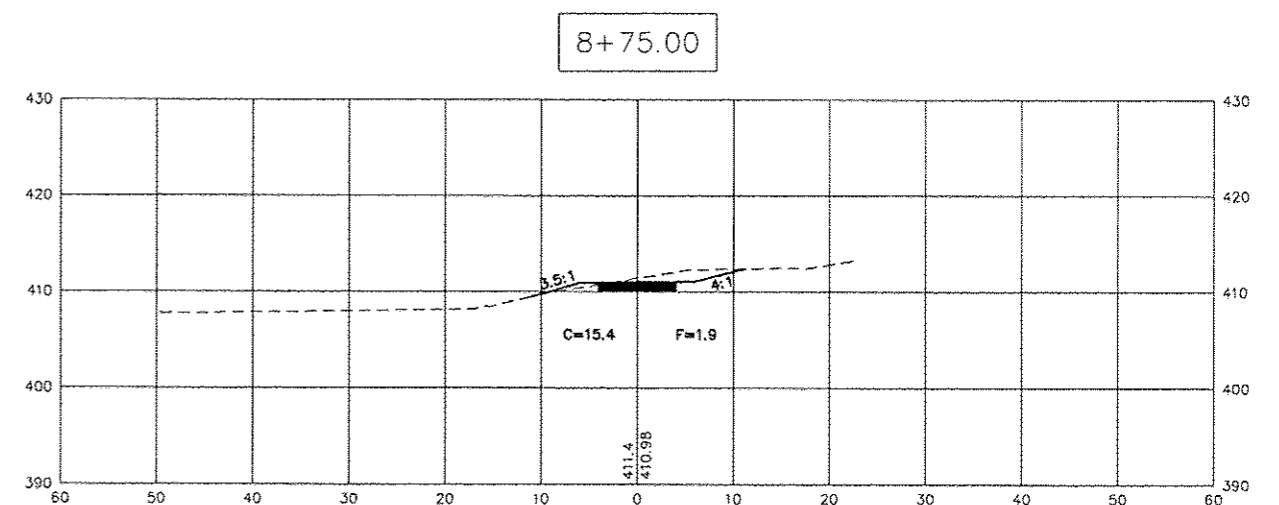
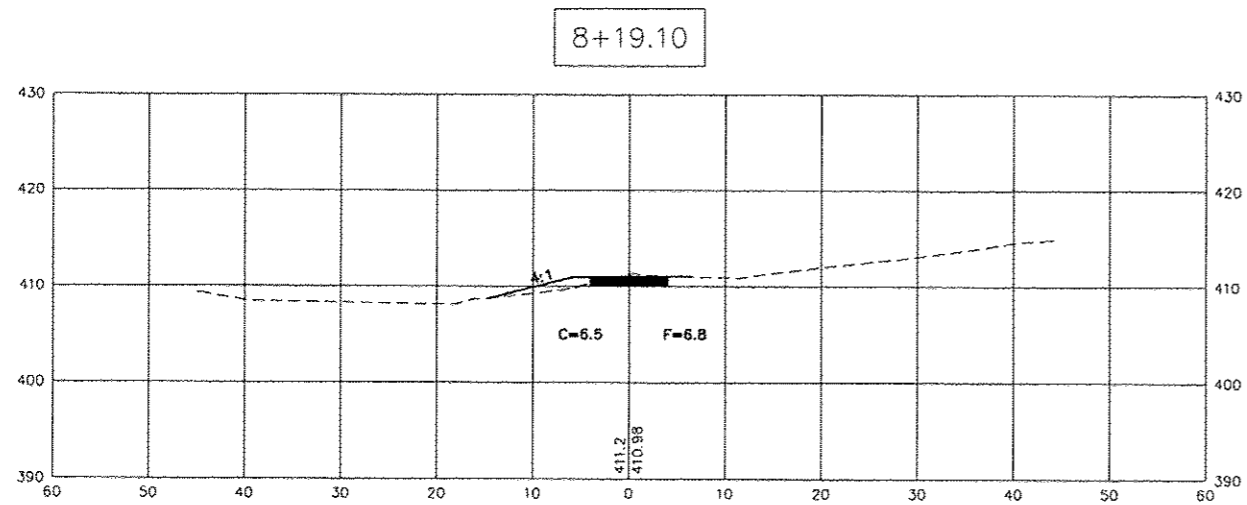
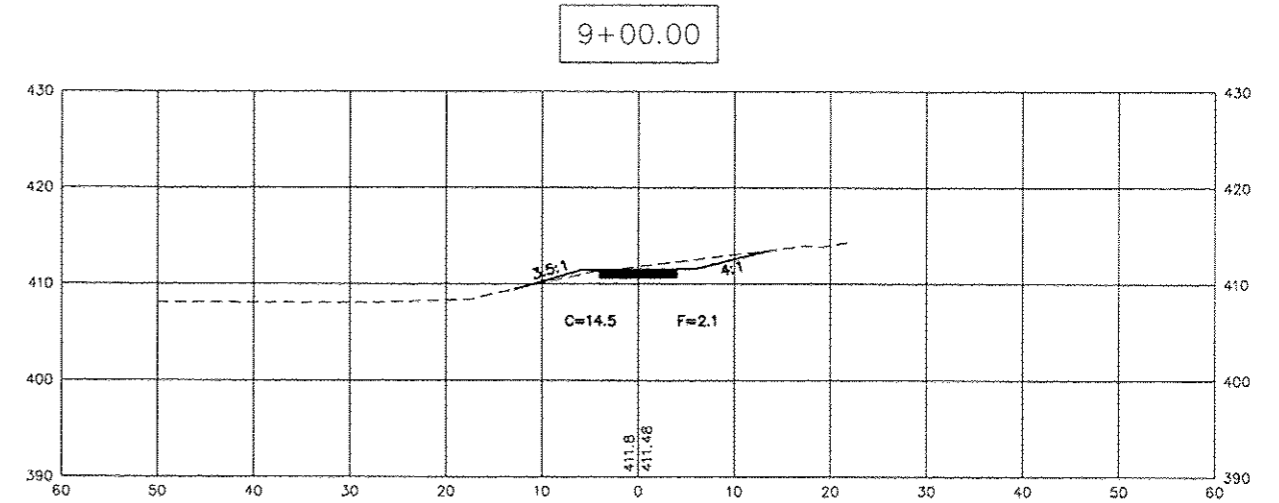
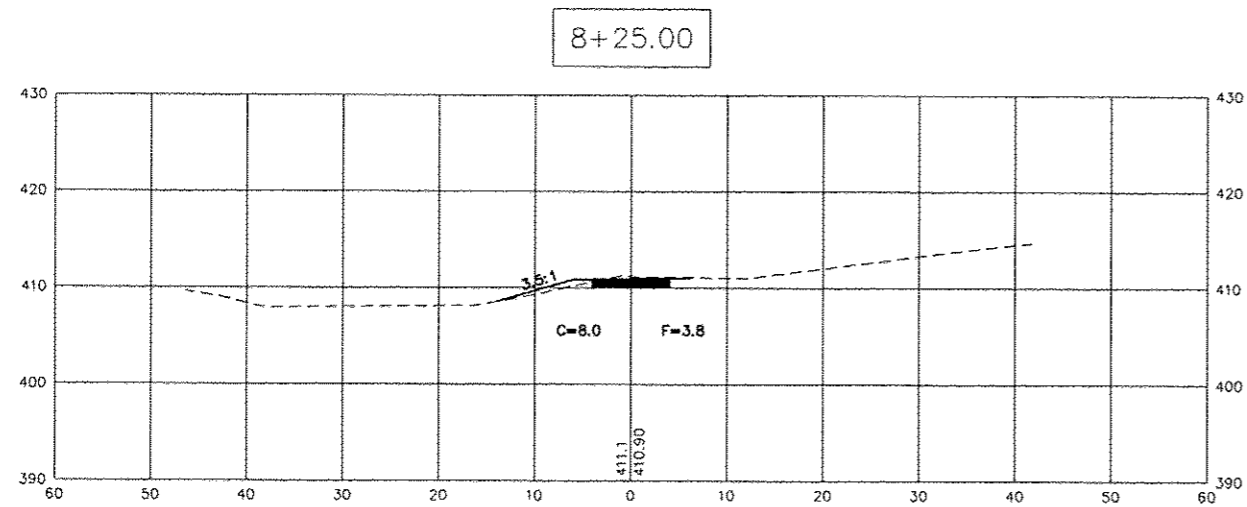
ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
VARIOUS	16-00134-00-BT	JACKSON	33	24
JOB NO. C-99-529-16		FED PROJ. TE-00D9(128)		
CITY OF CARBONDALE		CONTRACT NO. 99586		



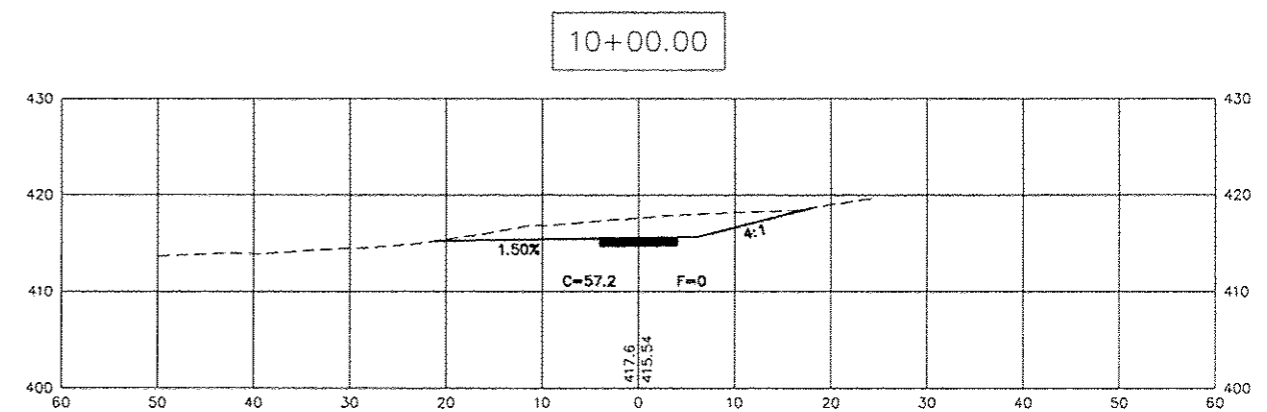
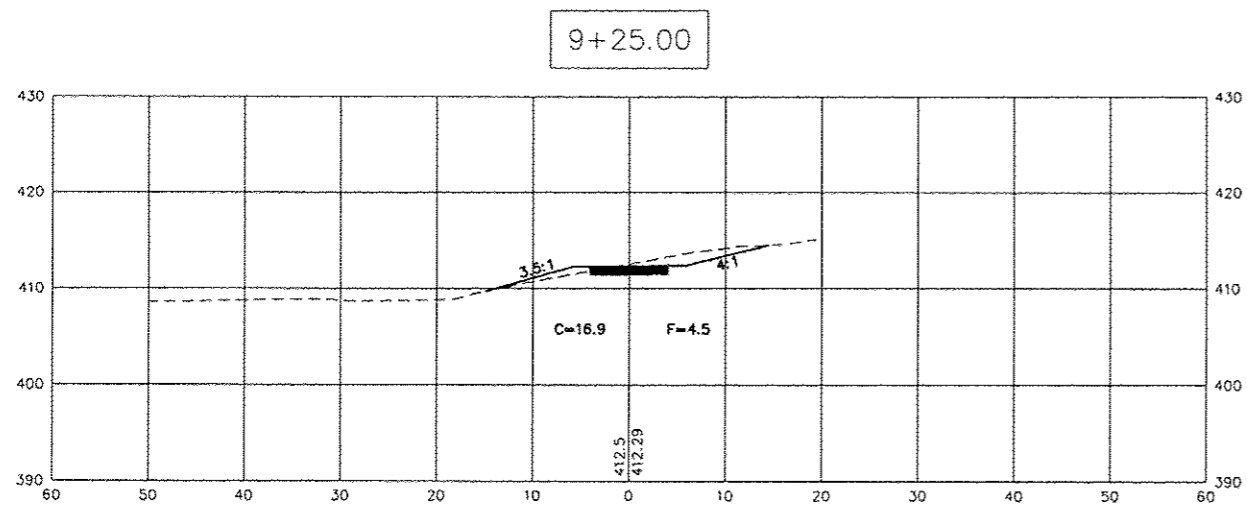
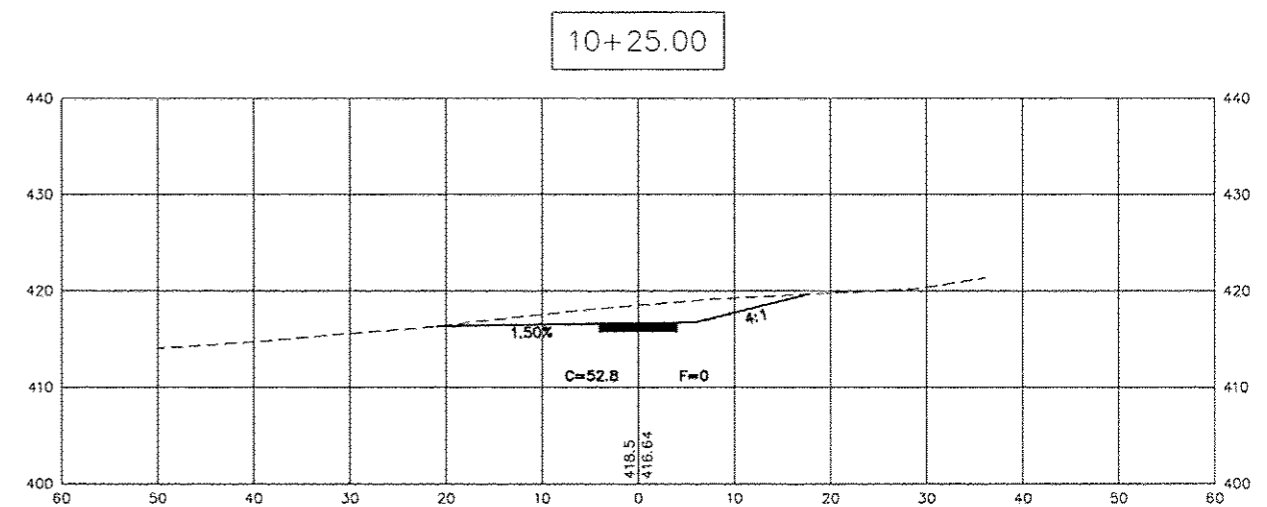
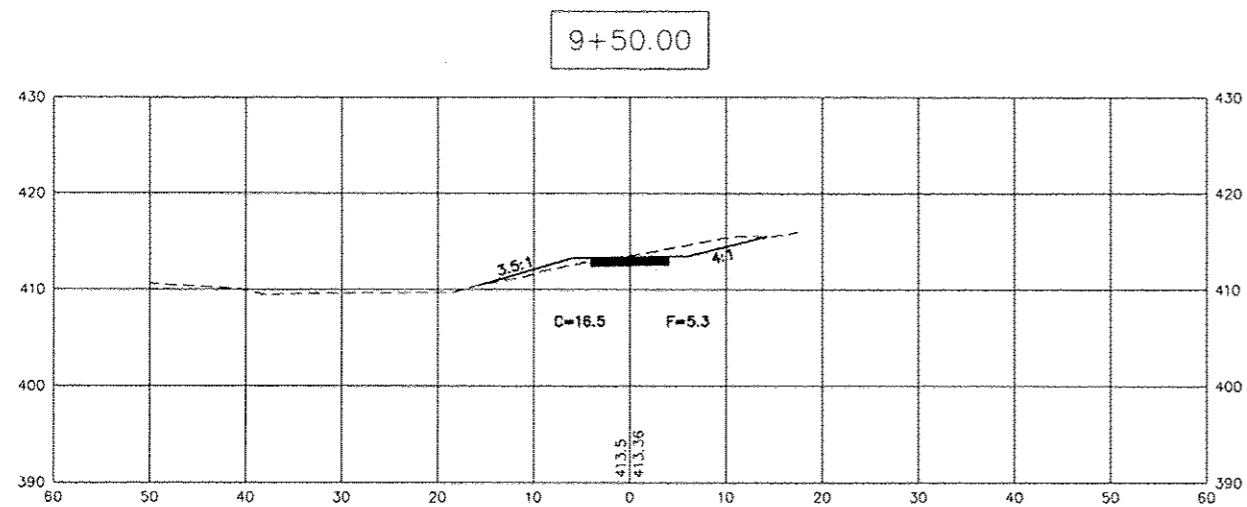
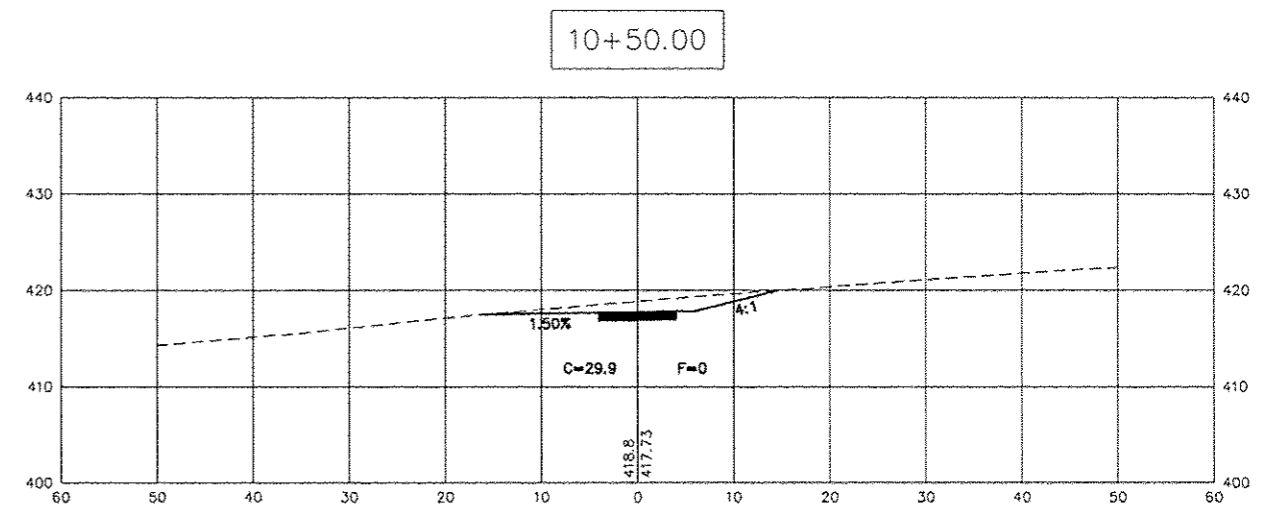
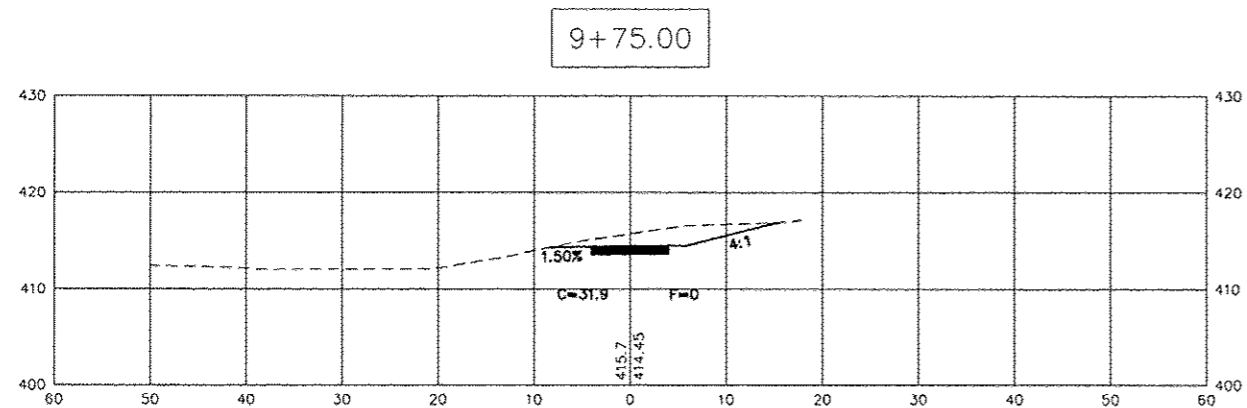
ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
VARIOUS	16-00134-00-BT	JACKSON	33	25
JOB NO. C-99-529-16		FED PROJ TE-00D9(128)		
CITY OF CARBONDALE		CONTRACT NO. 99586		



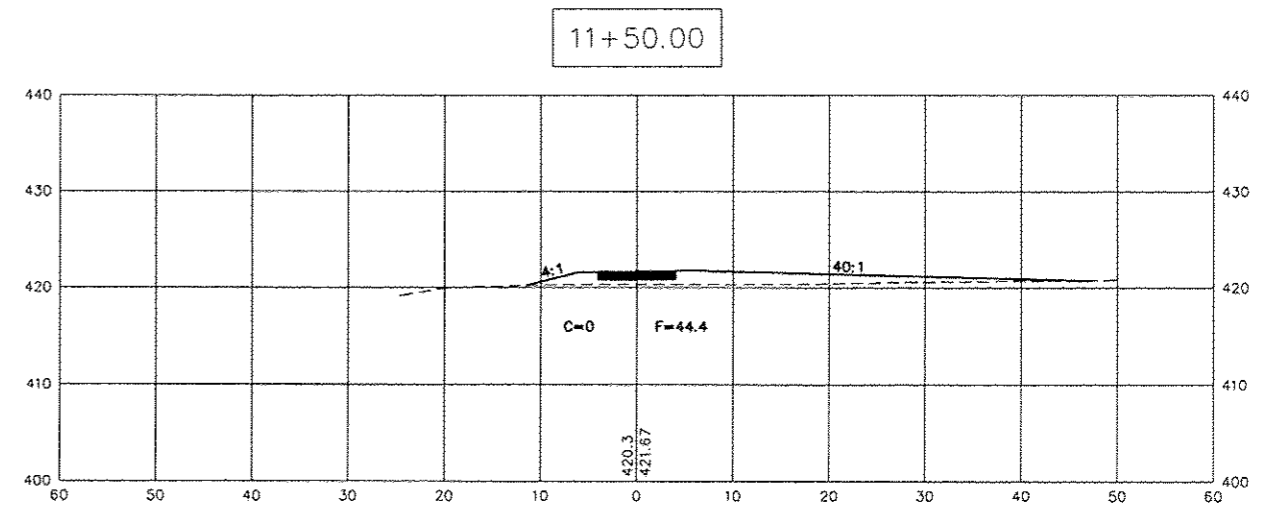
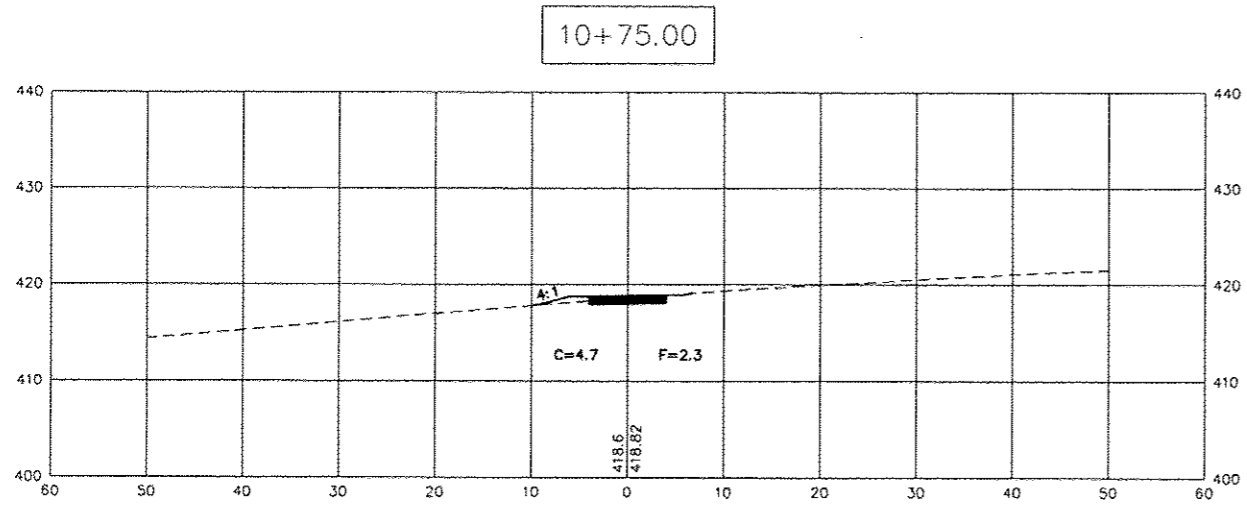
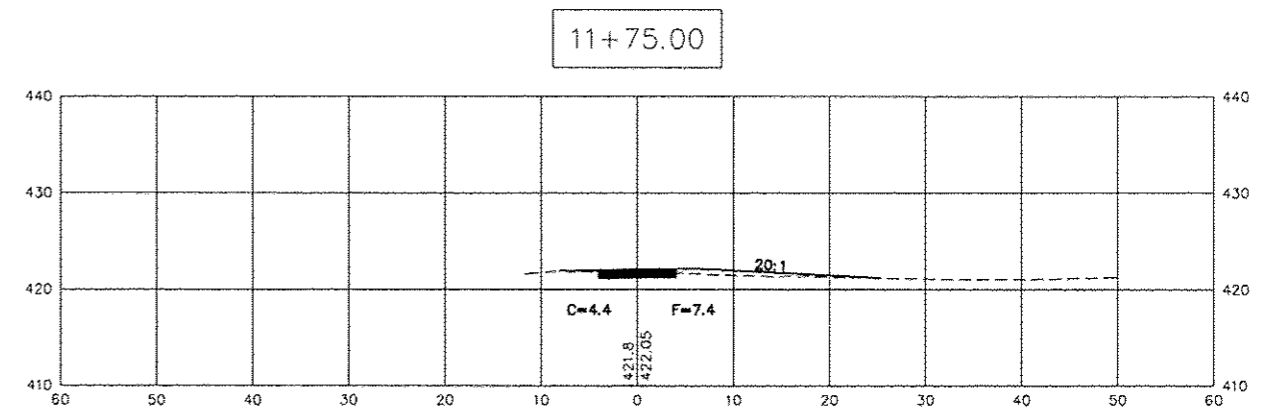
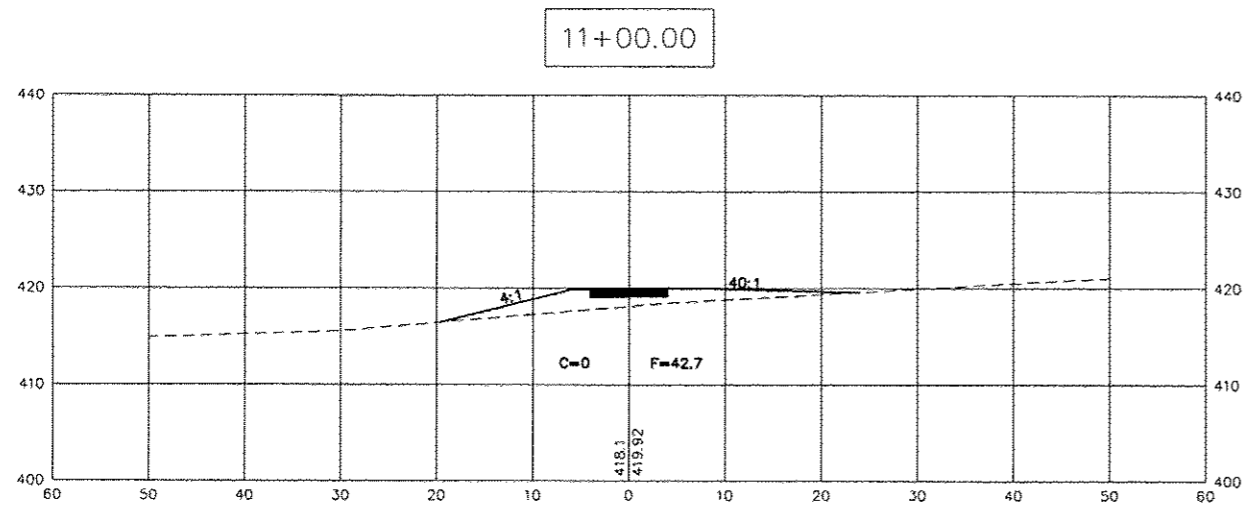
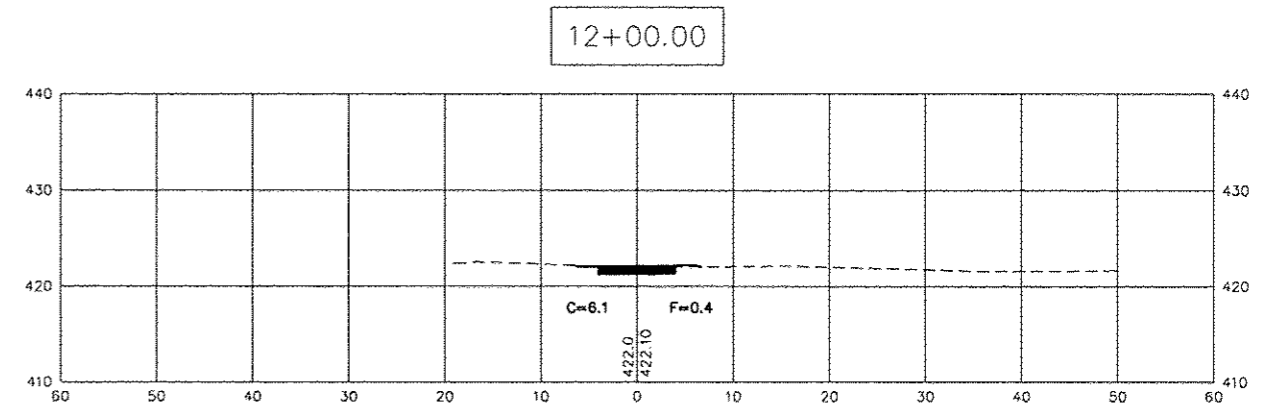
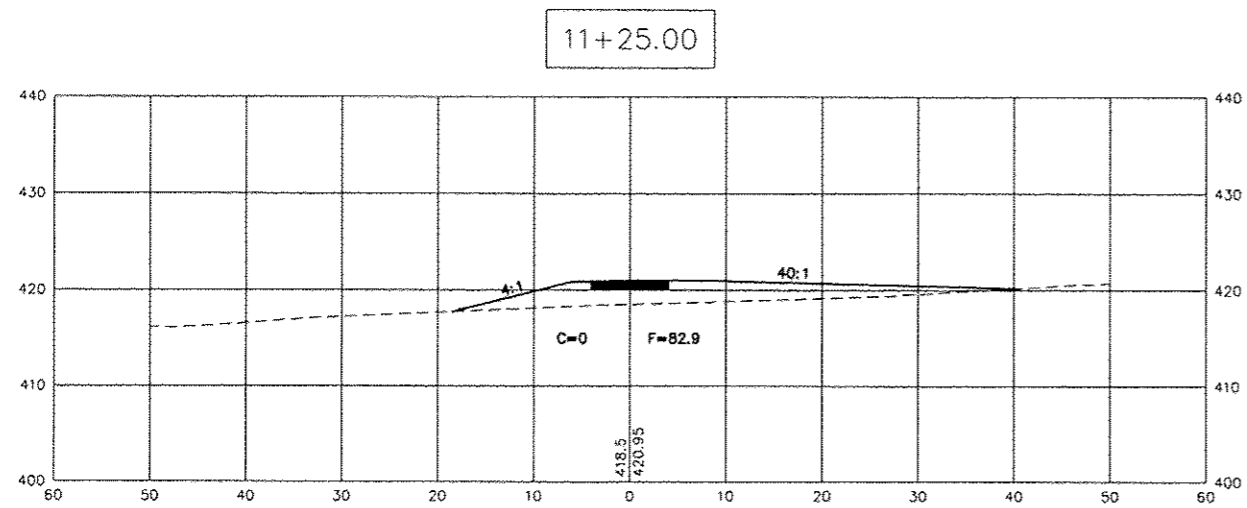
ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
VARIOUS	16-00134-00-BT	JACKSON	33	26
JOB NO. C-99-529-16		FED PROJ. TE-00D9(128)		
CITY OF CARBONDALE		CONTRACT NO. 99586		



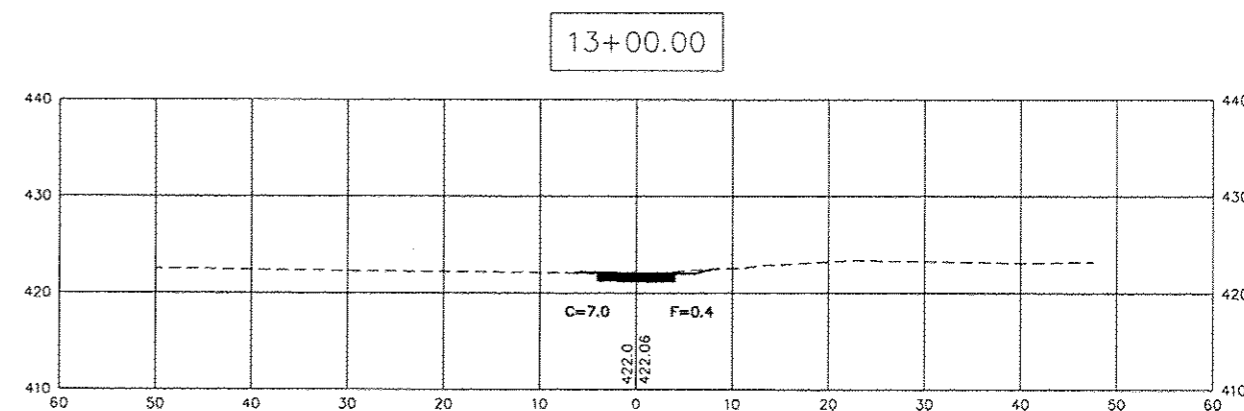
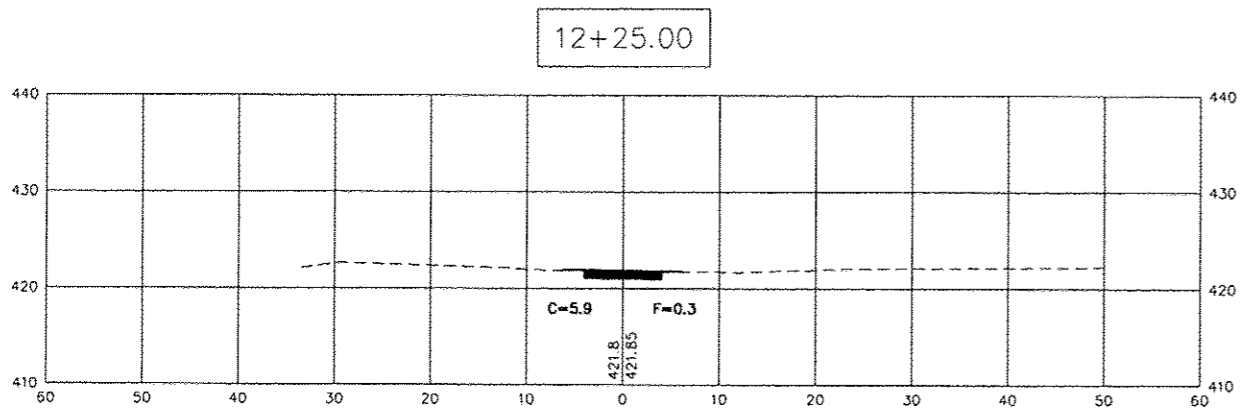
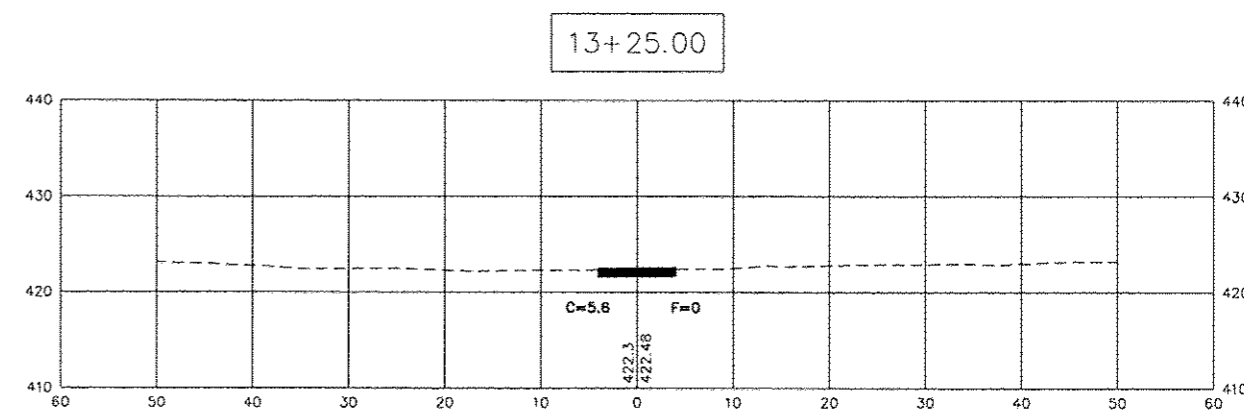
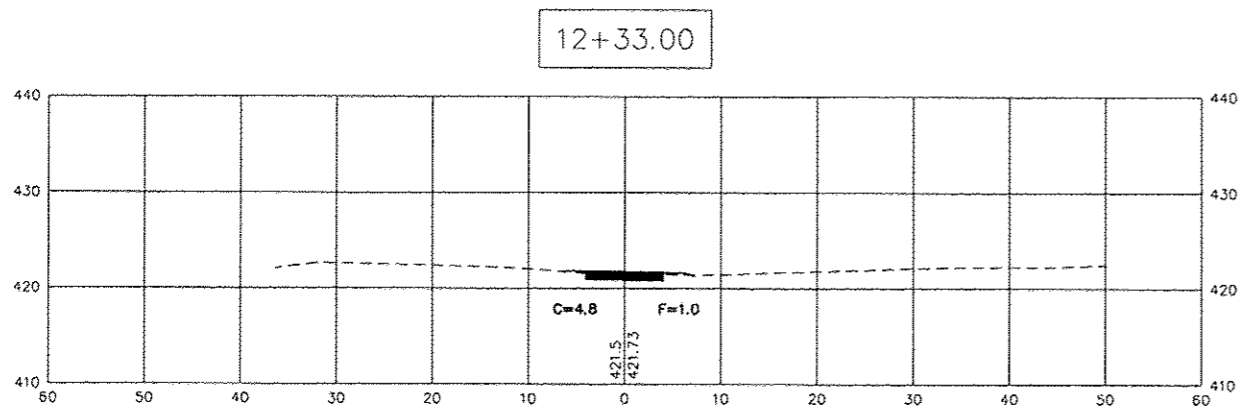
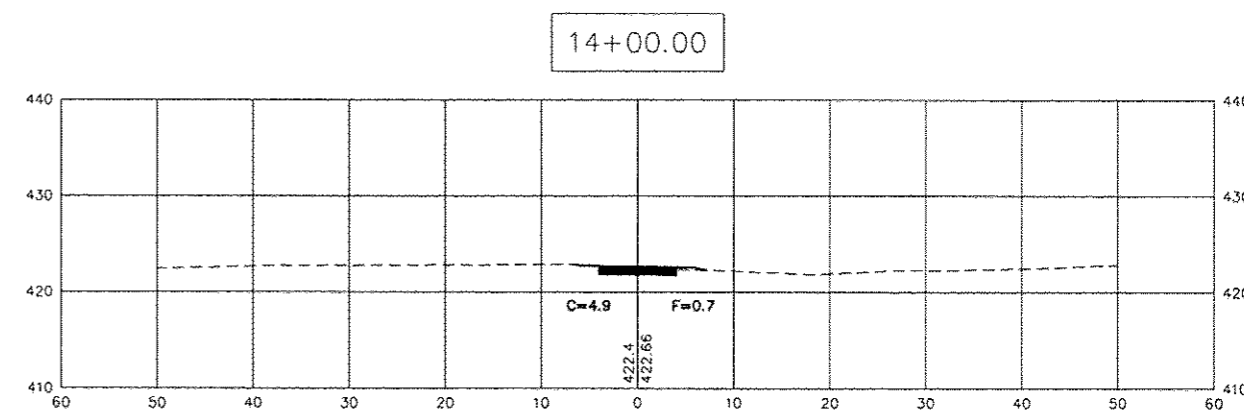
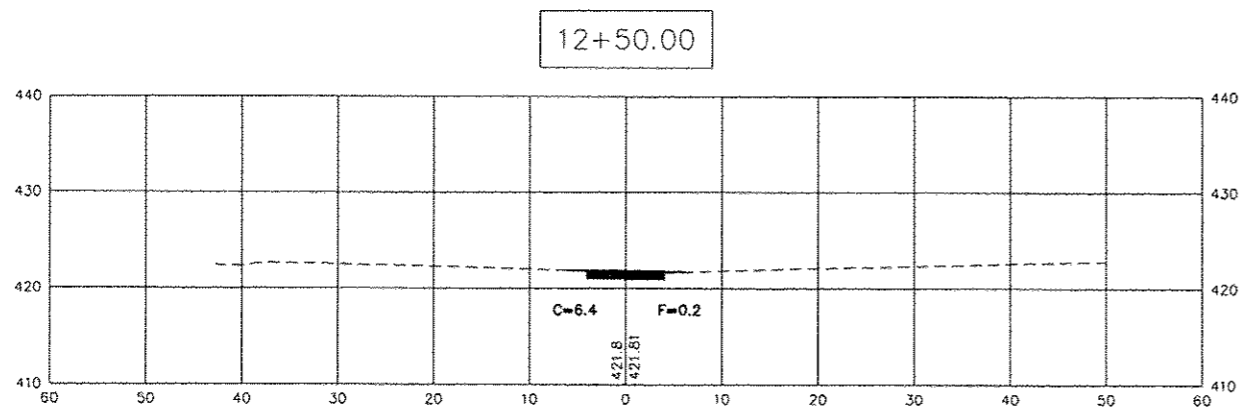
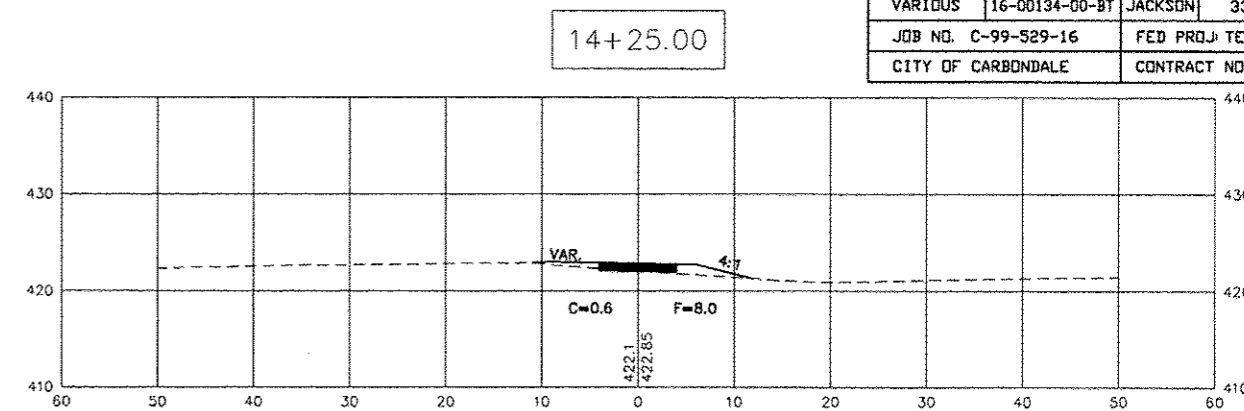
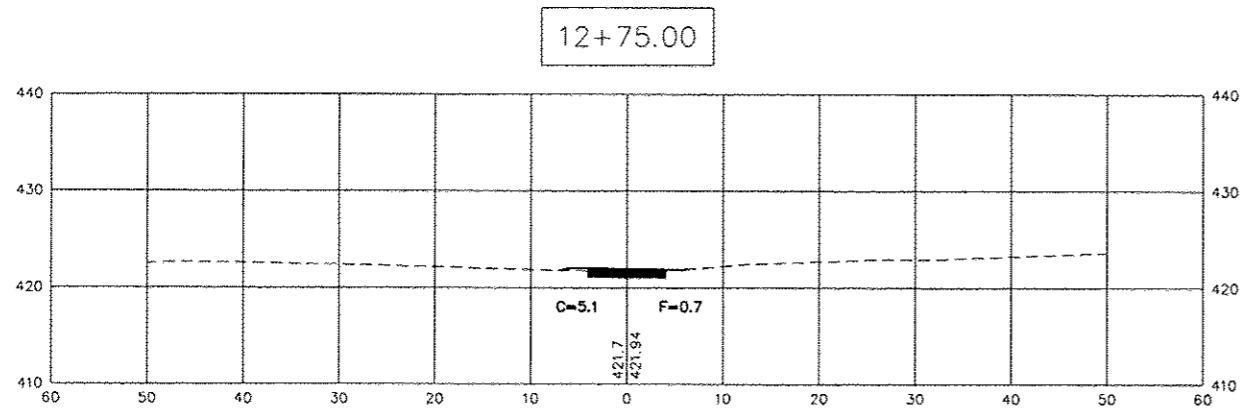
ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
VARIOUS	16-00134-00-BT	JACKSON	33	27
JDB NO. C-99-529-16		FED PROJ: TE-00D9(128)		
CITY OF CARBONDALE		CONTRACT NO. 99586		



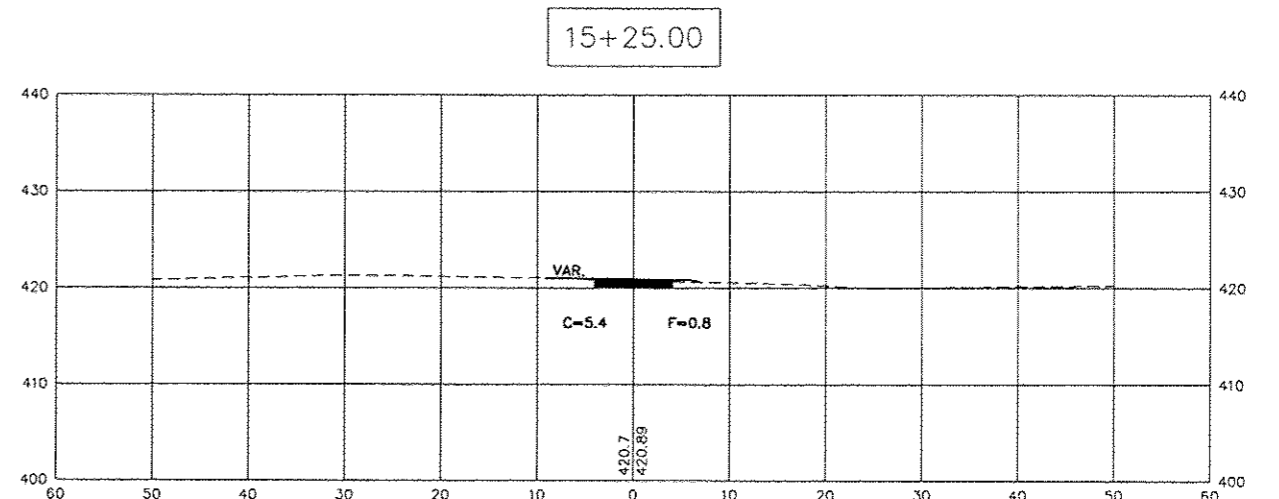
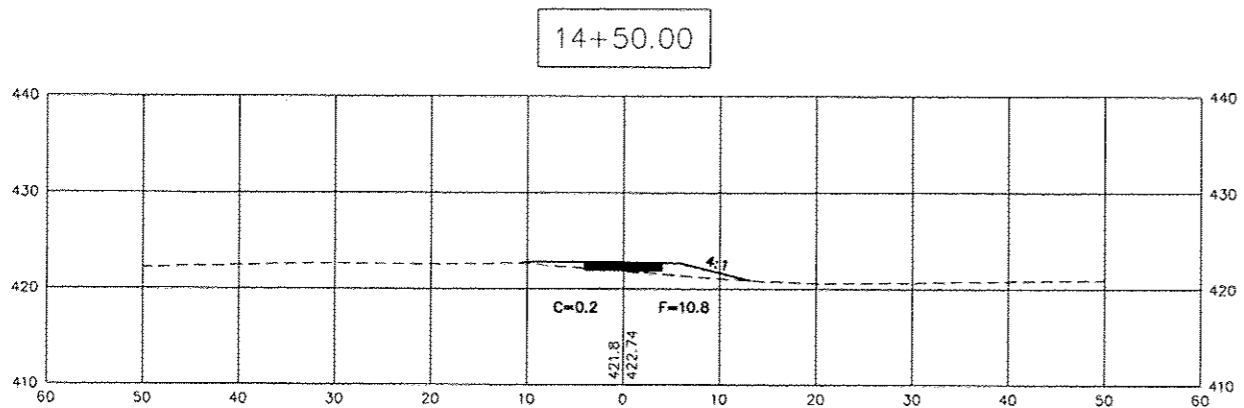
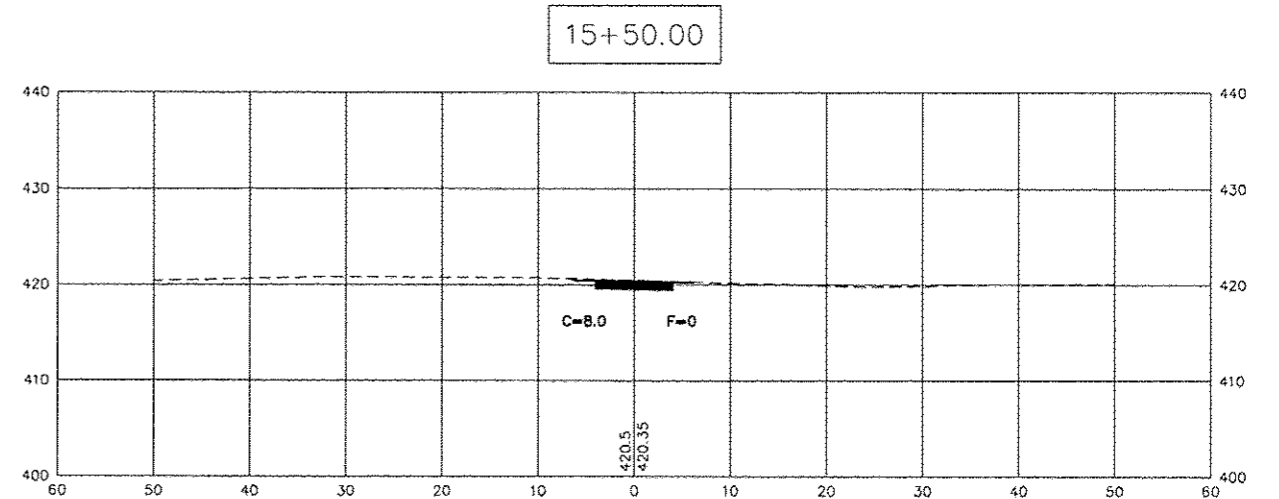
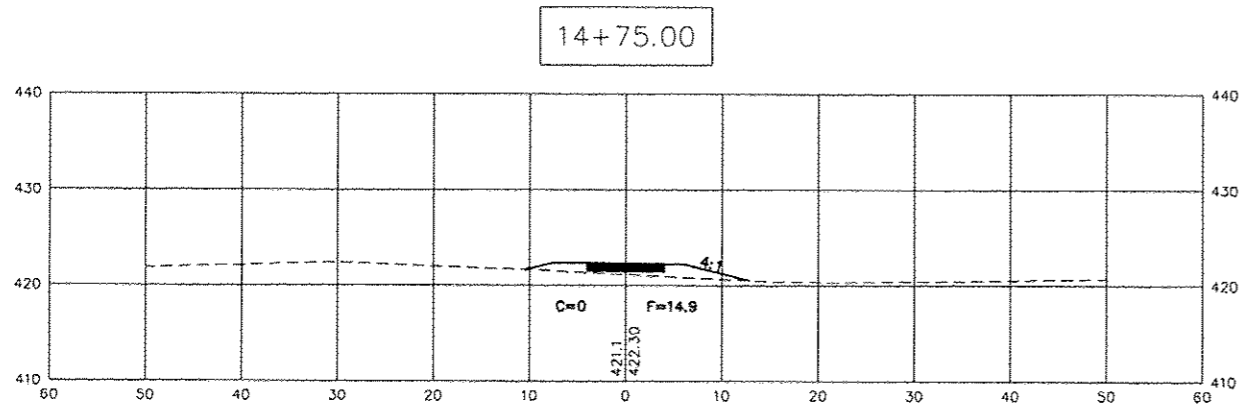
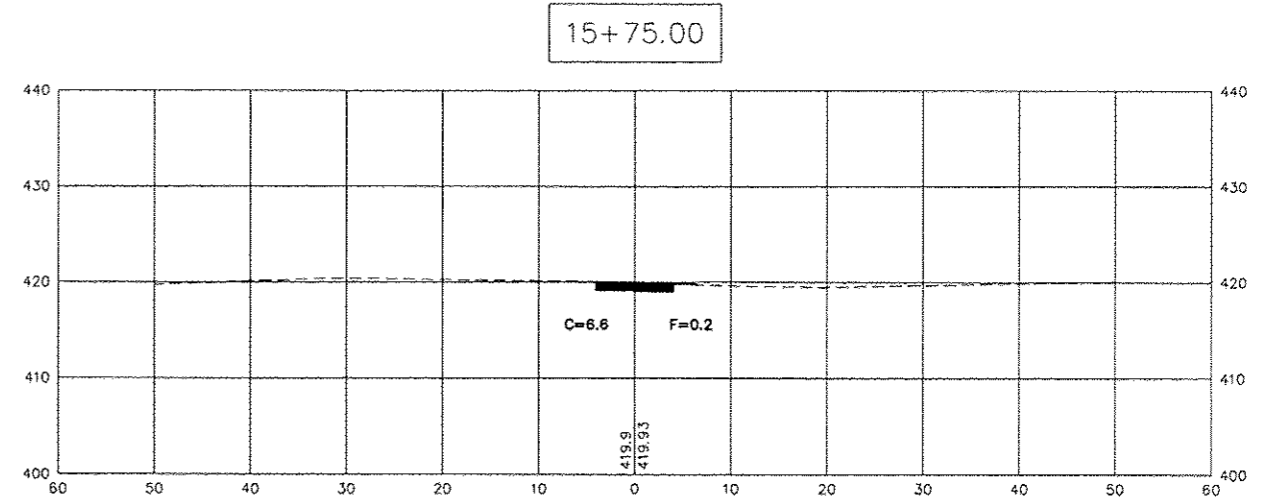
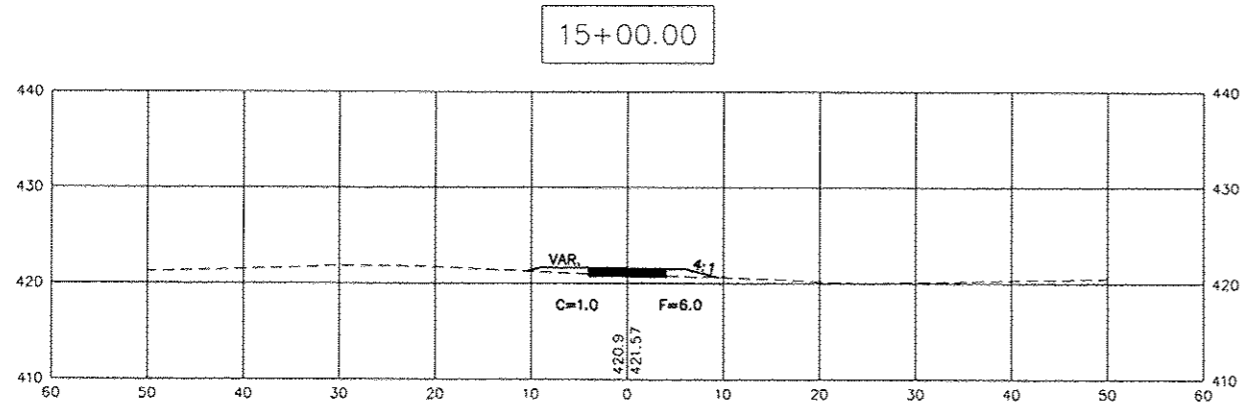
ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
VARIOUS	16-00134-00-BT	JACKSON	33	28
JOB NO. C-99-529-16		FED PROJ. TE-00D9(128)		
CITY OF CARBONDALE		CONTRACT NO. 99586		



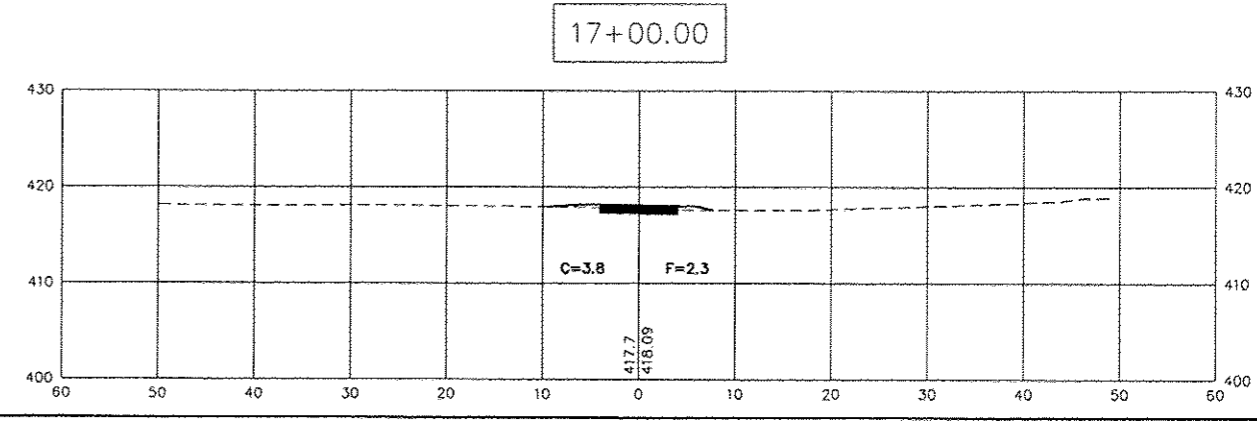
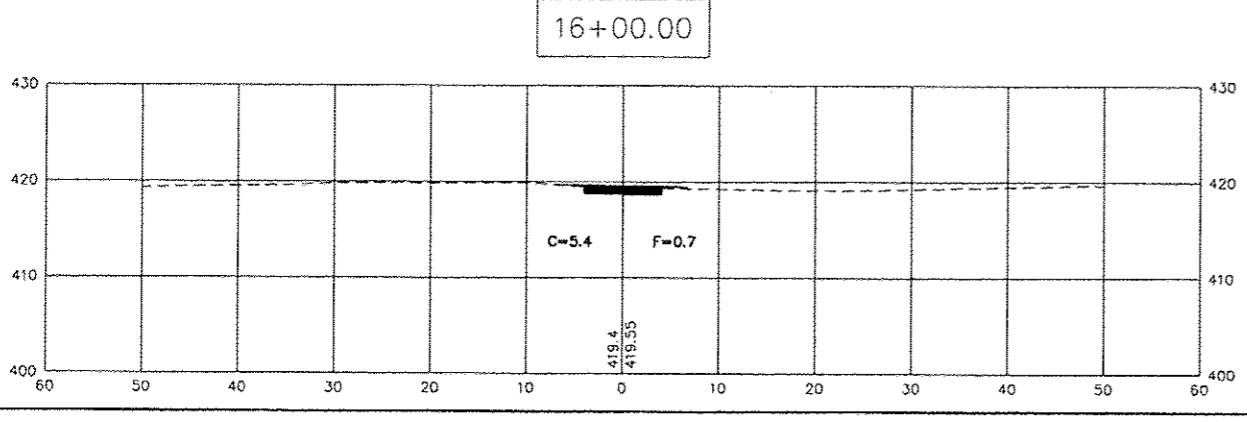
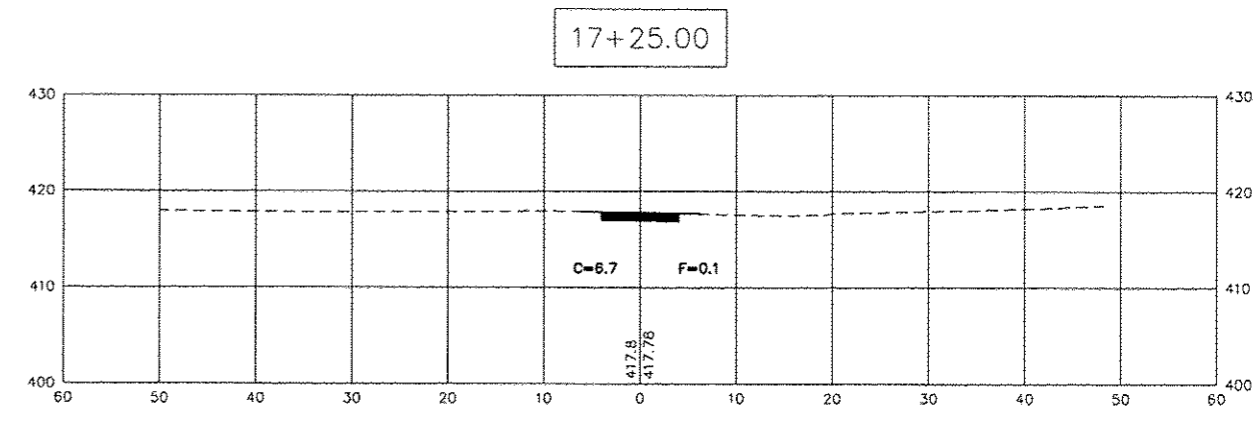
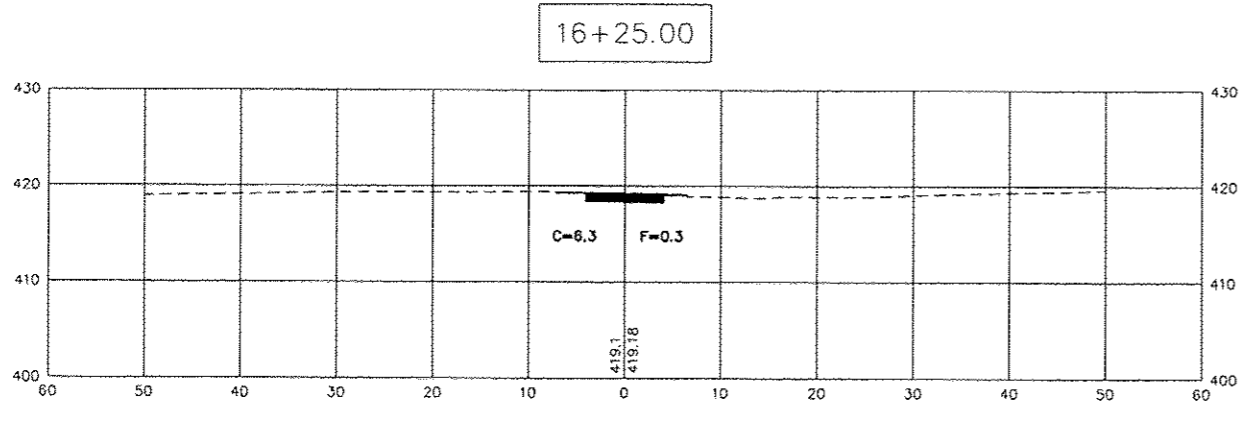
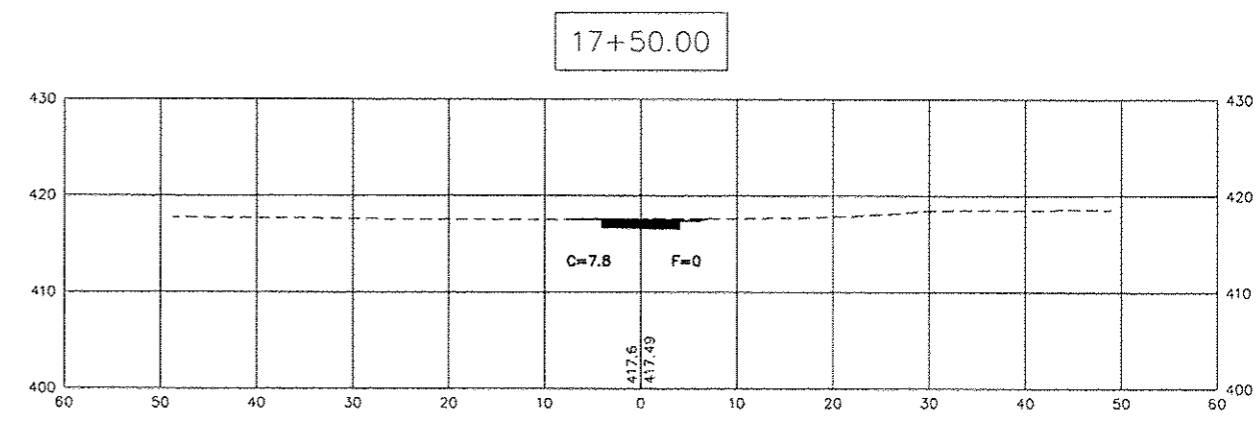
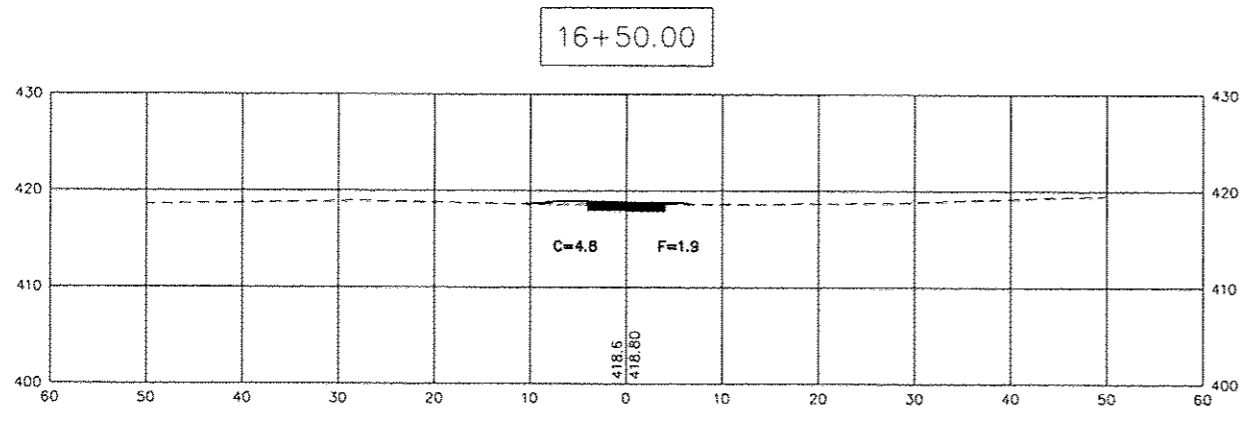
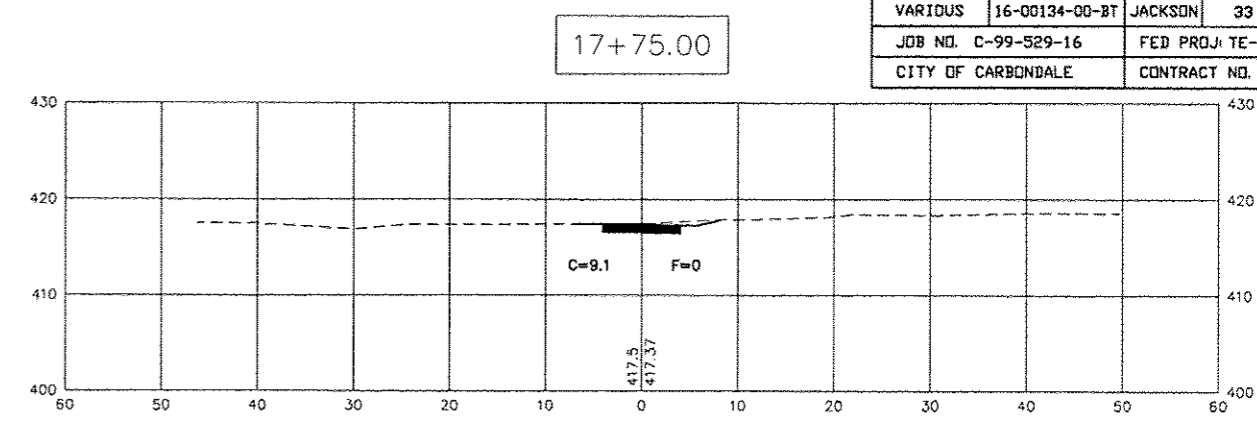
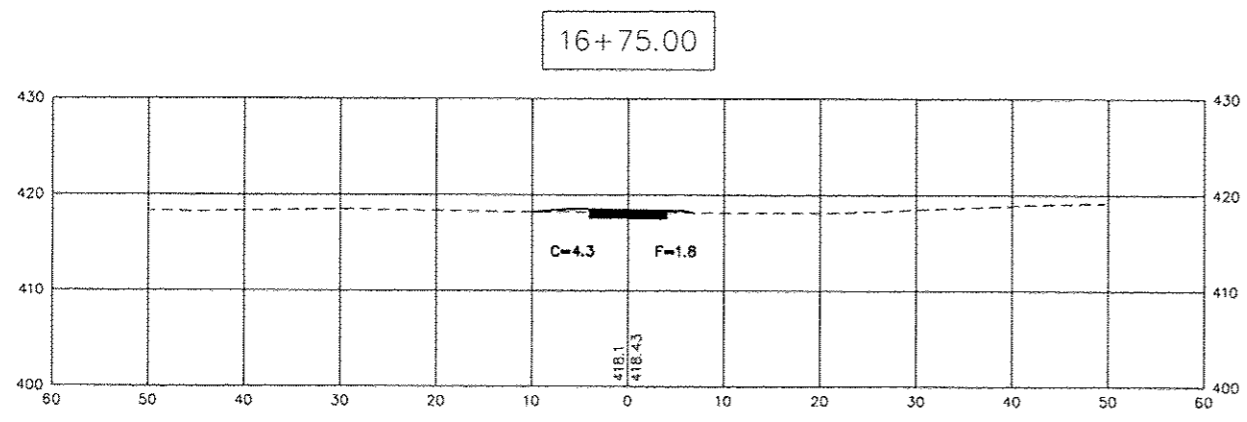
ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
VARIOUS	16-00134-00-BT	JACKSON	33	29
JOB NO. C-99-529-16		FED PROJ. TE-00B9(128)		
CITY OF CARBONDALE		CONTRACT NO. 99586		



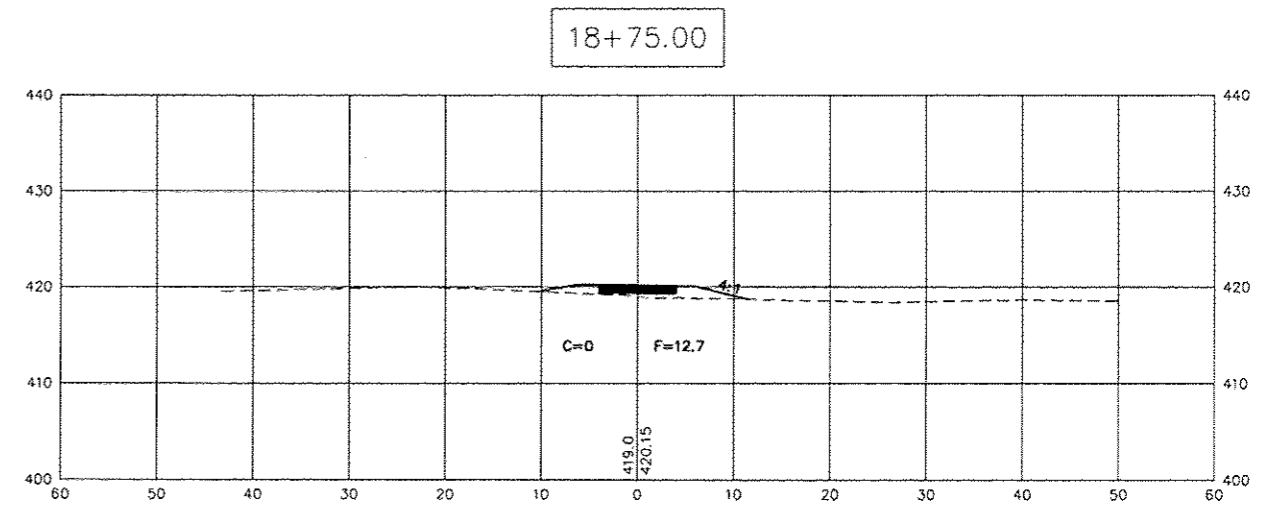
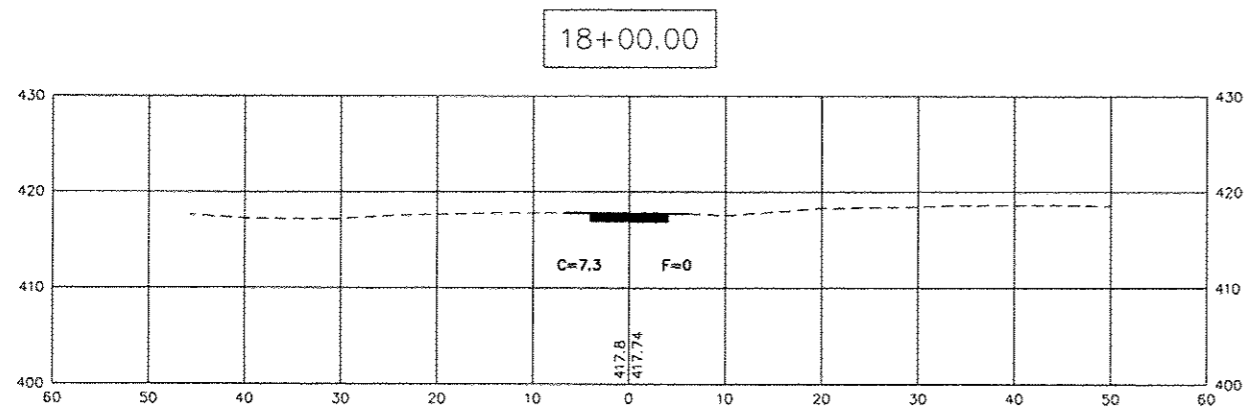
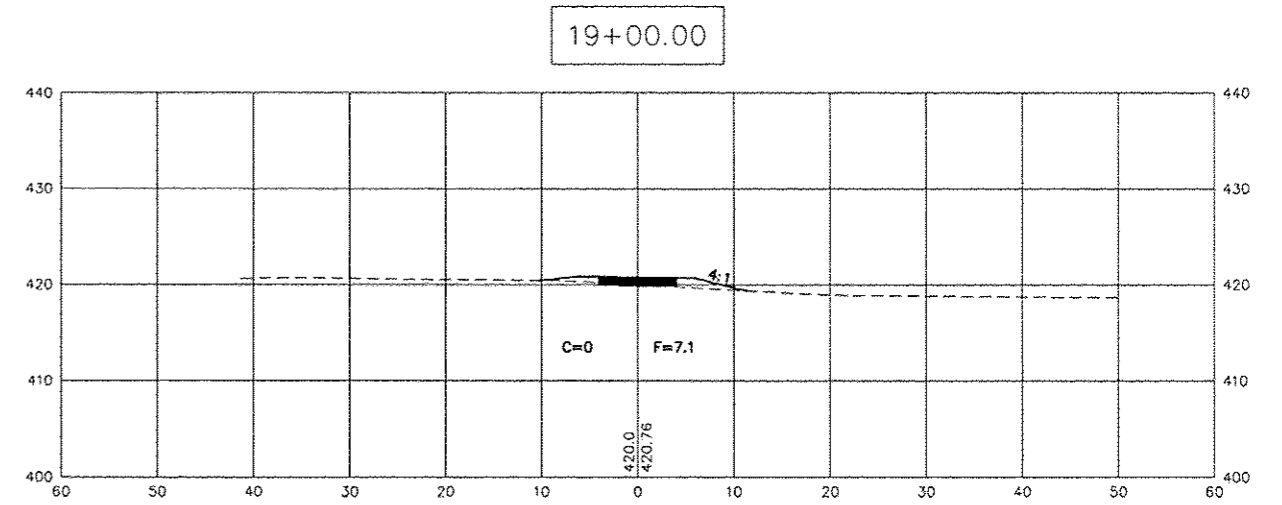
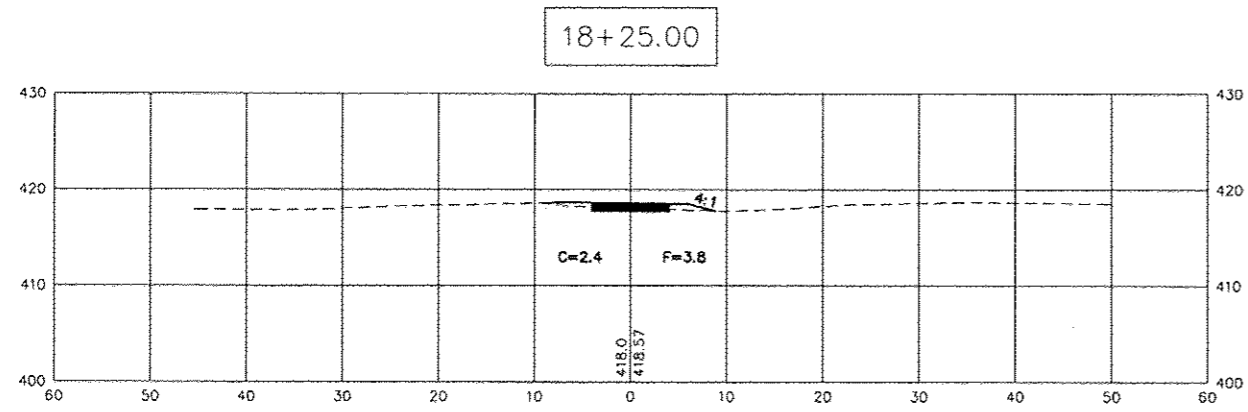
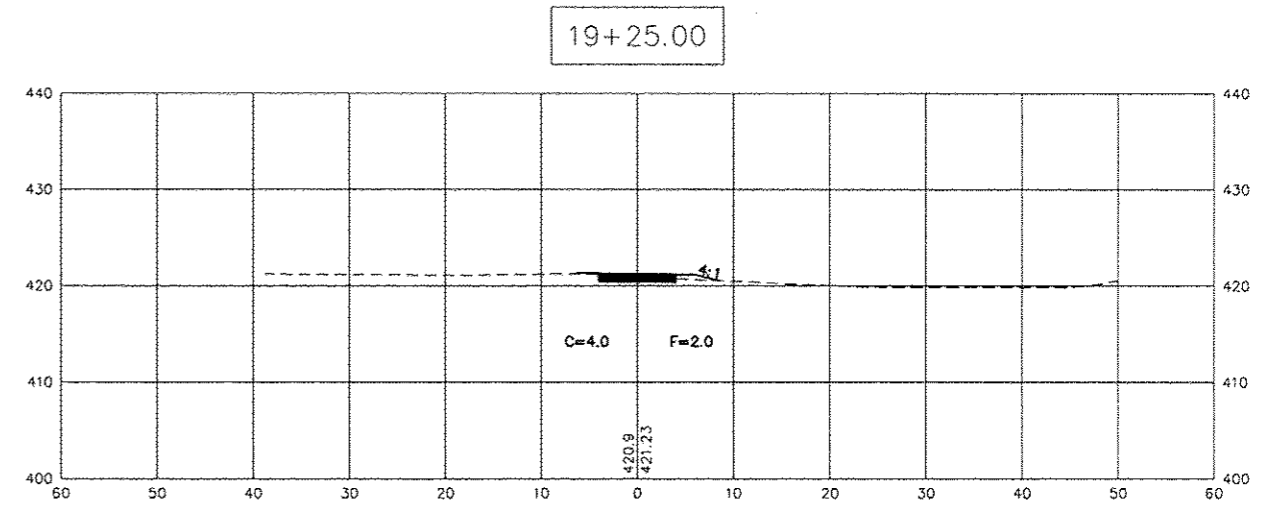
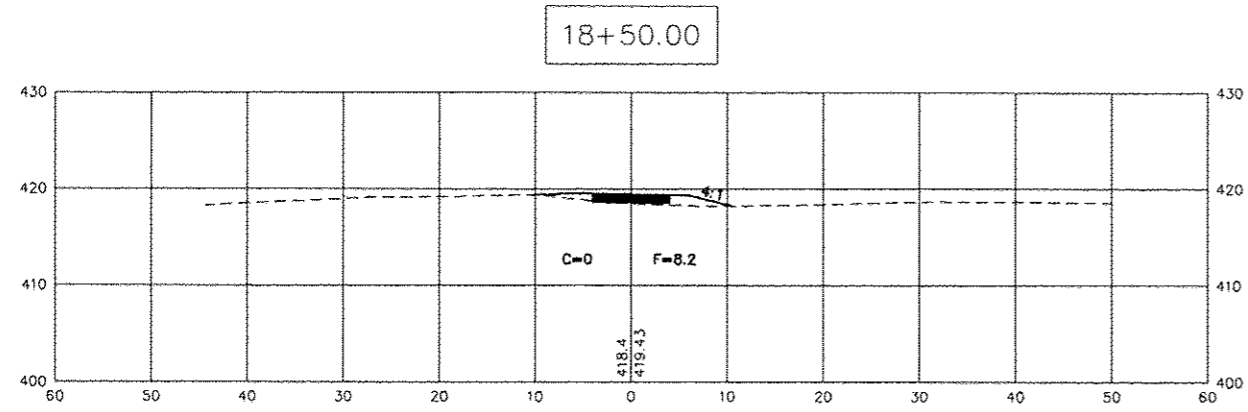
ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
VARIOUS	16-00134-00-BT	JACKSON	33	30
JOB NO. C-99-529-16		FED PROJ: TE-00D9K128		
CITY OF CARBONDALE		CONTRACT NO. 99586		



ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
VARIDUS	16-00134-00-BT	JACKSON	33	31
JOB NO. C-99-529-16		FED PROJ. TE-00D9(128)		
CITY OF CARBONDALE		CONTRACT NO. 99586		

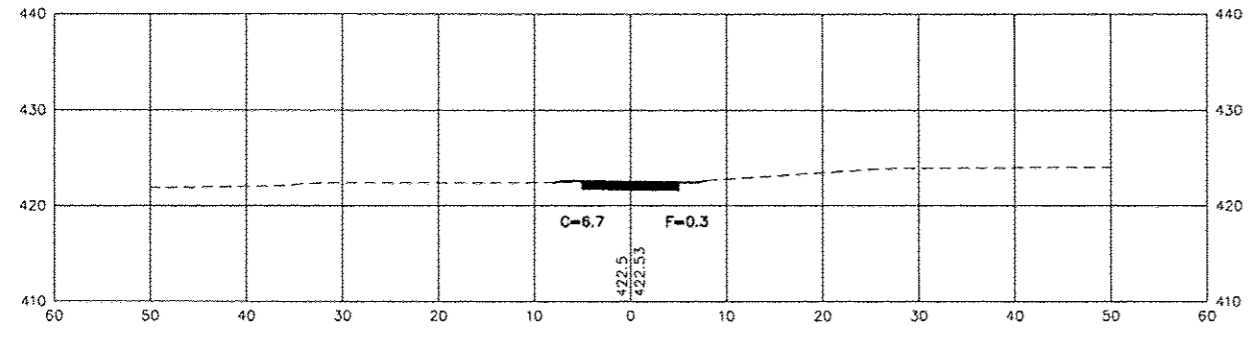


ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
VARIOUS	16-00134-00-BT	JACKSON	33	32
JOB NO. C-99-529-16		FED PROJ. TE-00D9(128)		
CITY OF CARBONDALE		CONTRACT NO. 99586		

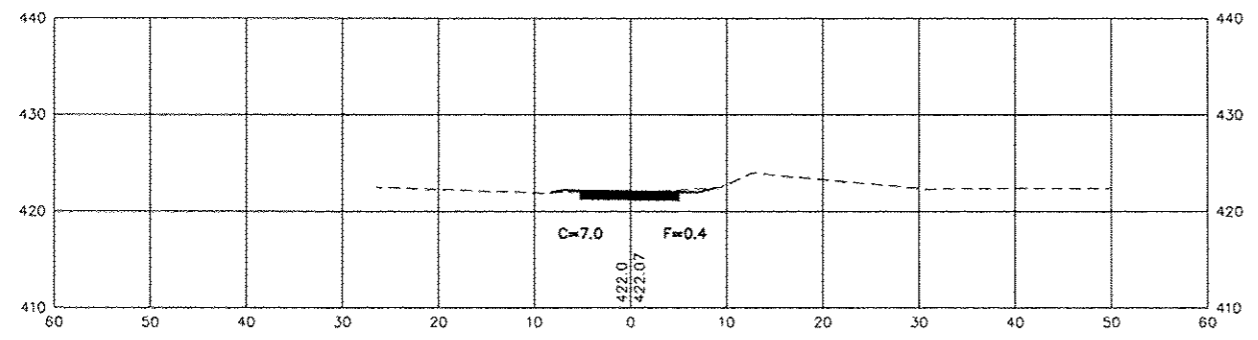


ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
VARIOUS	16-00134-00-BT	JACKSON	33	33
JOB NO. C-99-529-16		FED PROJECTE-0009(120)		
CITY OF CARBONDALE		CONTRACT NO. 99586		

20+00.00



19+75.00



19+50.00

