

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	TITLE, COVER SHEET, INDEX OF SHEETS, HIGHWAY STANDARDS AND SUMMARY OF QUANTITIES
2	TYPICAL SECTIONS, MISCELLANEOUS SCHEDULES AND STRUCTURAL DESIGN DATA
3	MISCELLANEOUS SCHEDULES AND MISCELLANEOUS DETAILS
4-9	PLAN AND PROFILES
10-15	GRADING AND ITEM REMOVAL PLAN
16-31	CROSS SECTIONS
32-34	PAVEMENT MARKING PLAN, SIGNAGE PLAN AND CENTERLINE CONTROL TIE POINTS
35	TRAFFIC CONTROL PLAN
36-37	EROSION CONTROL PLAN

HIGHWAY STANDARDS

280001-04	TEMPORARY EROSION CONTROL SYSTEMS
542301-02	PRECAST REINFORCED CONCRETE FLARED END SECTION
542546-01	FLUSH INLET BOX FOR MEDIAN
542601-01	REINFORCED CONCRETE PIPE ELBOW
602301-02	INLET TYPE A
602401-02	MANHOLE, TYPE A
602601-02	PRECAST REINFORCED CONCRETE FLAT SLAB TOP
604001-03	FRAME AND LIDS TYPE 1
604066-02	FRAME AND LID, TYPE 15
605001-04	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
701001-04	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
701006-02	OFF-ROAD OPERATIONS, 2L, 2W, MORE THAN 4.5M (15') WAYS
701006-02	OFF-ROAD OPERATIONS, 2L, 2W, 4.5M (15') TO 600mm (24") FROM PAVEMENT EDGE
701011-02	OFF-ROAD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701201-03	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS ≥ 45 MPH
701301-05	LANE CLOSURE 2L, 2W SHORT TIME OPERATIONS
701306-02	LANE CLOSURE 2L, 2W SLOW MOVING OPERATIONS - DAY ONLY FOR SPEEDS ≥ 45 MPH
701311-03	LANE CLOSURE 2L, 2W MOVING OPERATIONS - DAY ONLY
701326-03	LANE CLOSURE 2L, 2W PAVEMENT WIDENING FOR SPEEDS ≥ 45 MPH
701331-03	LANE CLOSURE 2L, 2W WITH RUN-AROUND FOR SPEEDS ≥ 45 MPH
701901-01	TRAFFIC CONTROL DEVICES
780001-02	TYPICAL PAVEMENT MARKINGS
B.L.R. 21-8	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS
B.L.R. 24-2	MAILBOX TURNOUT FOR LOCAL ROADS

SUMMARY OF QUANTITIES

CODE NUMBER	DESCRIPTION	* SPECIALTY ITEMS	UNIT	AS-BID QUANTITY	AS-BUILT QUANTITY
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)		UNIT	265	
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)		UNIT	314	
20100500	TREE REMOVAL, ACRES		ACRE	1.12	
20200410	EARTH EXCAVATION (SPECIAL)		CU YD	12,000	
20800150	TRENCH BACKFILL		CU YD	400	
25100630	EROSION CONTROL BLANKET		SO YD	790	
28000250	TEMPORARY EROSION CONTROL SEEDING		POUND	700	
28000300	TEMPORARY DITCH CHECKS		EACH	68	
28000400	PERIMETER EROSION BARRIER		FOOT	650	
28000500	INLET AND PIPE PROTECTION		EACH	16	
28100805	STONE DUMPED RIPRAP, CLASS A3		TON	70	
35100100	AGGREGATE BASE COURSE, TYPE A		TON	8,678	
40600100	BITUMINOUS MATERIALS (PRIME COAT)		GALLON	4,588	
40600300	AGGREGATE (PRIME COAT)		TON	45	
40603085	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70		TON	3,196	
40603315	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N70		TON	1,196	
42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH		SO YD	845	
42400100	PORTLAND CEMENT CONCRETE SIDEWALK, 4 INCH		SO FT	219	
44000200	DRIVEWAY PAVEMENT REMOVAL		SO YD	810	
44000400	GUTTER REMOVAL		FOOT	74	
44000500	COMBINATION CURB AND GUTTER REMOVAL		FOOT	449	
54200213	PIPE CULVERTS, CLASS A, TYPE 1 8'		FOOT	40	
54200427	PIPE CULVERTS, TYPE 1 RCCP 12'		FOOT	238	
54200430	PIPE CULVERTS, TYPE 1 RCCP 15'		FOOT	138	
54200433	PIPE CULVERTS, TYPE 1 RCCP 18'		FOOT	285	
54200439	PIPE CULVERTS, TYPE 1 RCCP 24'		FOOT	200	
54200451	PIPE CULVERTS, TYPE 1 RCCP 36'		FOOT	20	
54201279	PIPE CULVERTS, TYPE 2 RCCP 24'		FOOT	157	
54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12'		EACH	9	
54213660	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15'		EACH	6	
54213663	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18'		EACH	5	
54213669	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24'		EACH	2	
54213675	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 30'		EACH	1	
54213681	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 36'		EACH	1	
54244405	FLUSH INLET BOX FOR MEDIAN, STANDARD 542546		EACH	1	
* 56103000	DUCTILE IRON WATER MAIN 6"		FOOT	50	
* 56109210	WATER VALVES TO BE ADJUSTED		EACH	3	
* 56200200	WATER SERVICE LINE 3/4"		FOOT	320	
* 56200300	WATER SERVICE LINE 1"		FOOT	270	
* 56400800	FIRE HYDRANT AND VALVE TO BE MOVED		EACH	2	
* 56500200	DOMESTIC WATER SERVICE BOXES TO BE MOVED		EACH	8	
60220400	MANHOLES, TYPE A, SPECIAL, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID		EACH	2	
60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID		EACH	1	
60237000	INLETS, TYPE A, TYPE 15 FRAME AND LID		EACH	2	
60242900	INLETS, SPECIAL, TYPE 1		EACH	5	
60255500	MANHOLES TO BE ADJUSTED		EACH	2	
60300305	FRAME AND LIDS TO BE ADJUSTED		EACH	2	
60500060	REMOVING INLETS		EACH	7	
60603000	CONCRETE GUTTER, TYPE B (SPECIAL)		FOOT	296	
60603400	GUTTER OUTLET (SPECIAL)		EACH	1	
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12		FOOT	395	
67100100	MOBILIZATION		L SUM	1	
70101700	TRAFFIC CONTROL AND PROTECTION		L SUM	1	
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS		SO FT	37	
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"		FOOT	8,093	
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"		FOOT	18	
* 78001110	PAINT PAVEMENT MARKING - LINE 4"		FOOT	450	
* 78001180	PAINT PAVEMENT MARKING - LINE 24"		FOOT	60	
Z0013798	CONSTRUCTION LAYOUT		L SUM	1	
Z0018400	DRAINAGE STRUCTURES TO BE ADJUSTED		EACH	2	
XX000972	FORCE MAIN 6" PVC		FOOT	2,865	
XX004568	TEMPORARY ACCESS ROAD		L SUM	1	
XX006212	LAWN SEEDING (SPECIAL)		ACRE	7	
XX006644	STORM SEWERS, (WATER MAIN REQUIREMENTS) TYPE 2, 30"		FOOT	86	
X0323382	STORM SEWERS, (WATER MAIN REQUIREMENTS) TYPE 1, 15"		FOOT	8	
X0323383	STORM SEWERS, (WATER MAIN REQUIREMENTS) TYPE 1, 18"		FOOT	60	
X0323430	STORM SEWERS, (WATER MAIN REQUIREMENTS) TYPE 1, 24"		FOOT	48	
* XX007906	PIPE CASING 12" PVC		FOOT	22	
* XX007909	AIR RELEASE VALVE TO BE MOVED		EACH	2	
* XX007910	SANITARY SERVICE CONNECTION		EACH	7	
* XX007911	TRACER WIRE ACCESS BOX TO BE MOVED		EACH	2	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
PLANS FOR PROPOSED
FEDERAL - AID URBAN PROJECT
CITY OF CARBONDALE

F. A. U. ROUTE 9732
SECTION 00-00103-00-FP
JACKSON COUNTY
PROJECT NO. M-5008(19)
JOB NO. C99-504-03 CONTRACT NO. 99182

IMPROVEMENTS TO REED STATION ROAD
CIP NO. ST0102

F. A. U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
9732	00-00103-00-FP	JACKSON	37	1
CITY OF CARBONDALE			PROJECT NO. M-5008(19)	
CONTRACT NO. 99182			JOB NO. C99-504-03	

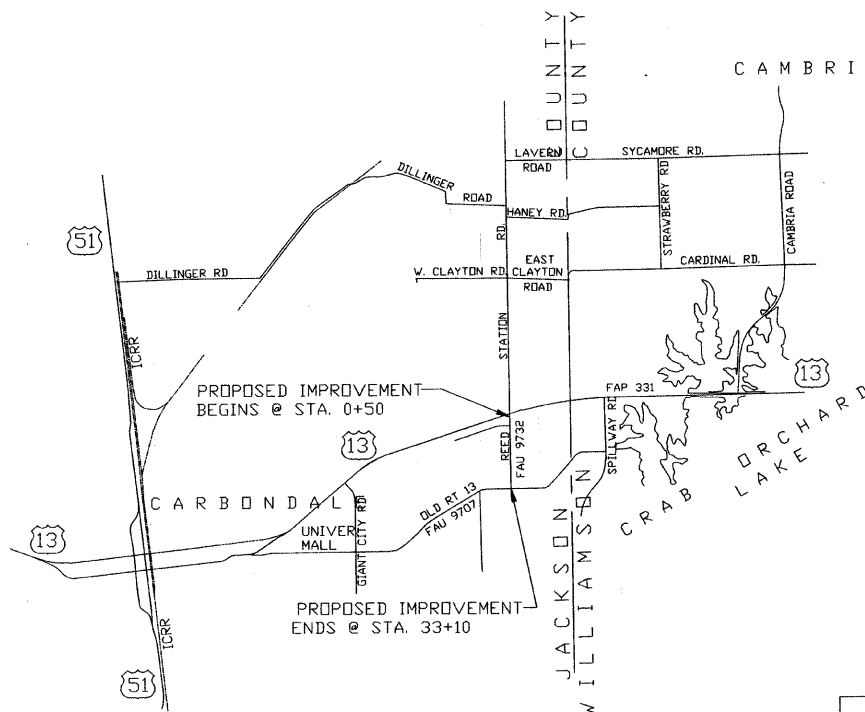
FEDERAL AID PROJECT



UTILITIES ON PROJECT

AMEREN CIPS, MARION	CAS
VERIZON NORTH, MARION	TELEPHONE
EGYPTIAN ELECTRIC CO-OP ASSN., MURPHYSBORO	ELECTRIC
LAKESIDE WATER DISTRICT, CARBONDALE	WATER
CITY OF CARBONDALE	SANITARY SEWER & WATER
MEDIACOM	CABLE TELEVISION

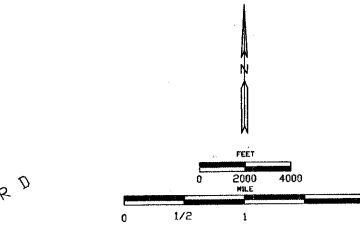
CARBONDALE PROJECT NO. ST0102
HIGHWAY CLASSIFICATION - RURAL COLLECTOR
ADT 2023 - 3,190
DESIGN SPEED 30 M. P. H.
J. U. L. I. E. : 1-800-892-0123



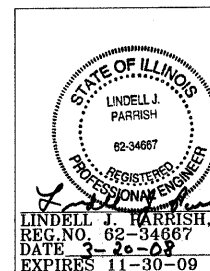
LOCATION MAP

SCALE: 1 IN. = 4,000 FT.

NET LENGTH OF LAYOUT = 3,260 FT. = 0.617 MI.



SCALES: PLAN 1 INCH = 20 FEET
PROFILE HOR. 1 INCH = 20 FEET
PROFILE VERT. 1 INCH = 10 FEET
CROSS SECTIONS HOR. 1 INCH = 10 FEET
CROSS SECTIONS VERT. 1 INCH = 5 FEET

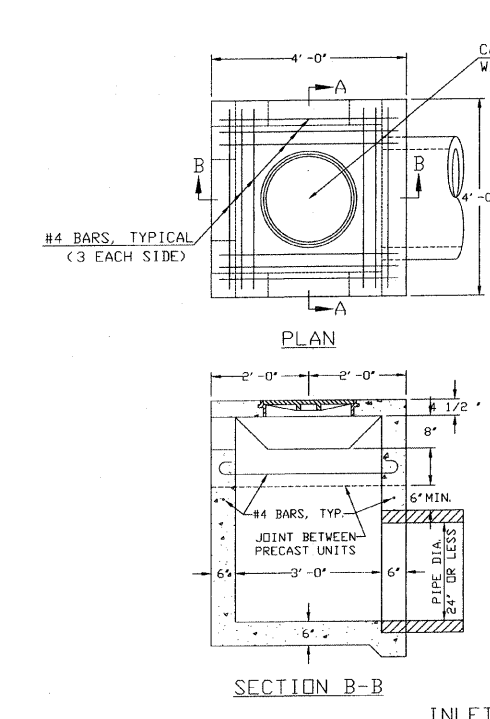
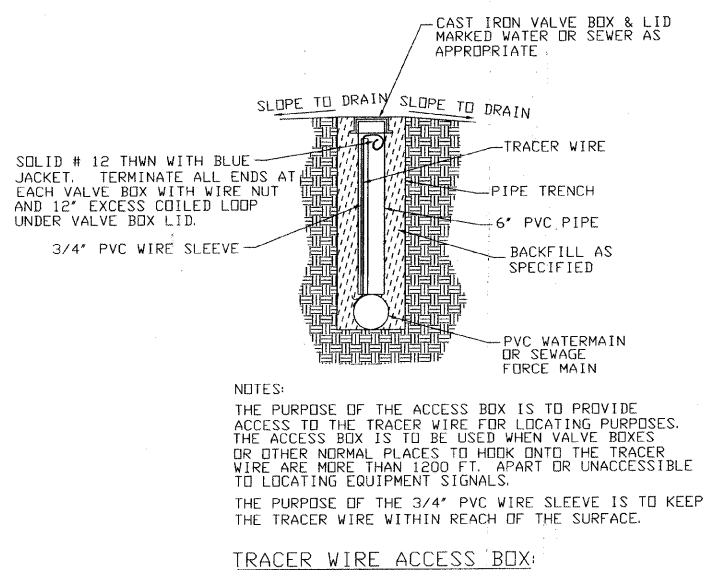
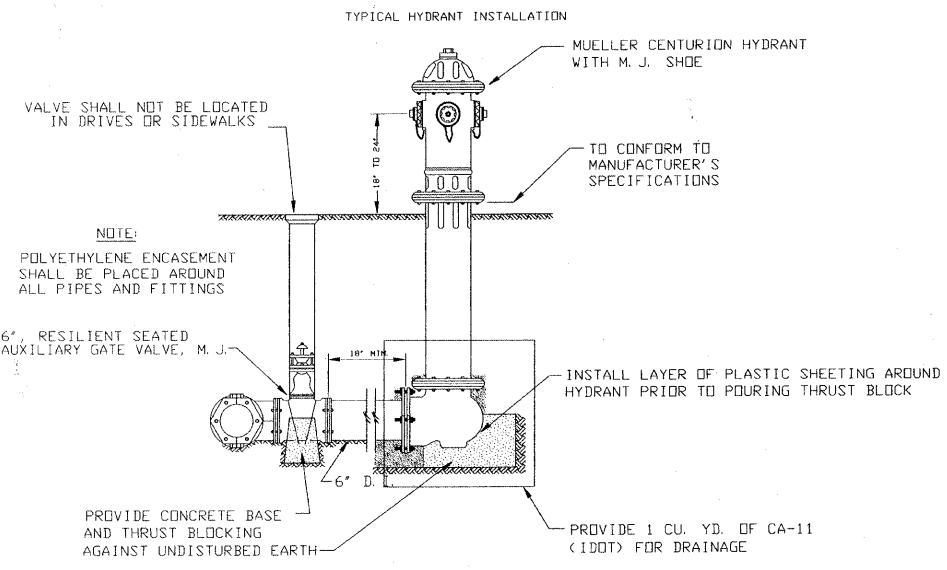


CITY MANAGER	<i>[Signature]</i>	DATE
PUBLIC WORKS DIRECTOR	<i>[Signature]</i>	DATE
PROJECT ENGINEER	<i>[Signature]</i>	DATE

PASSED	<u>MARCH 27</u>	20 <u>08</u>
DISTRICT ENGINEER OF LOCAL ROADS & STREETS	<i>[Signature]</i>	
RELEASING FOR BID BASED ON LIMITED REVIEW	<u>MARCH 27</u>	20 <u>08</u>
REGION FIVE ENGINEER	<i>[Signature]</i>	
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		
CITY OF CARBONDALE, ILLINOIS DEPT. OF PUBLIC WORKS		
REED STATION ROAD CIP NO. ST0102		
TITLE AND COVER SHEET		
SCALE	J. T. BLANKINSHIP AND ASSOCIATES	FILE NO. E47595
DATE MARCH 2008	CONSULTING ENGINEERS & LAND SURVEYORS	DESIGN FILE 7989-01.dwg
DRAWN BY	ILLINOIS PROFESSIONAL DESIGN FIRM NO. 1394	SHEET NO. 1 OF 37
	P.O. BOX 40 401 S. 17TH STREET MURPHYSBORO, ILLINOIS 62966 PHONE 618-687-1771	

F. A. U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
9732	00-00103-00-FP	JACKSON	37	3
CITY OF CARBONDALE		PROJECT NO. M-5008(19)		
CONTRACT NO. 99182		JOB NO. C99-504-03		

FEDERAL AID PROJECT



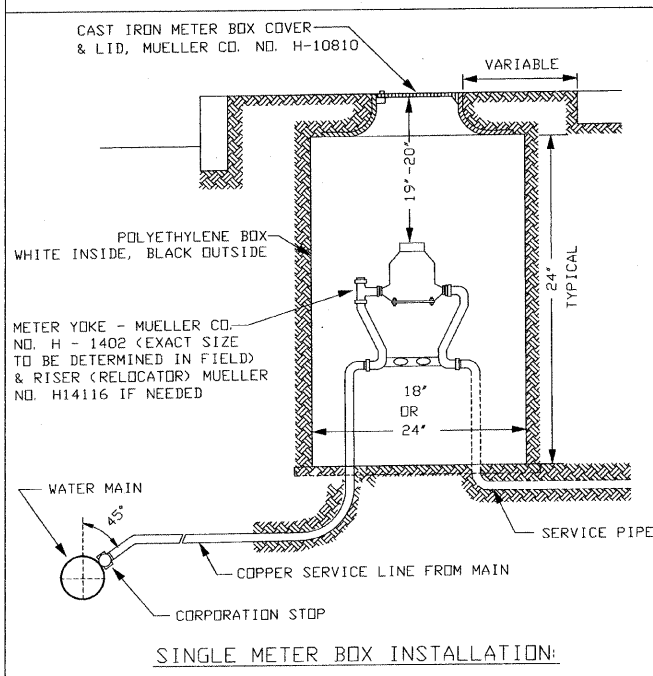
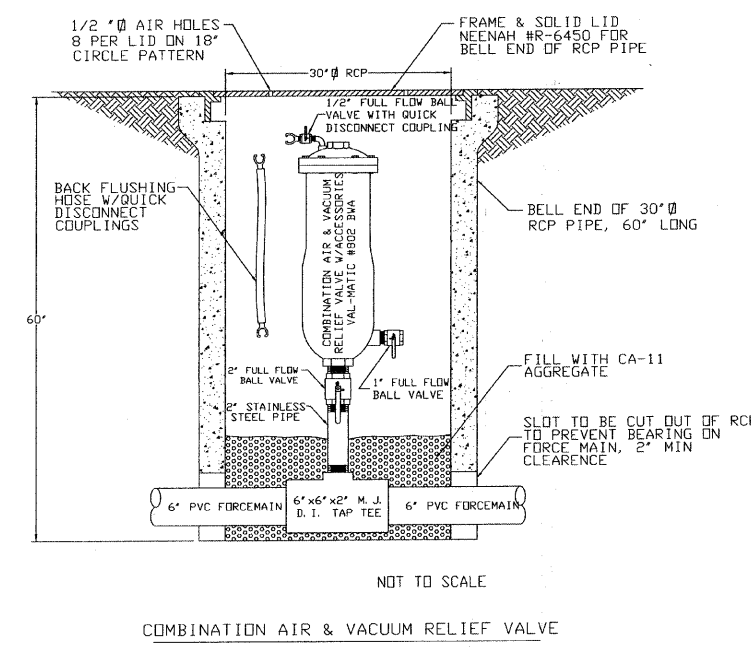
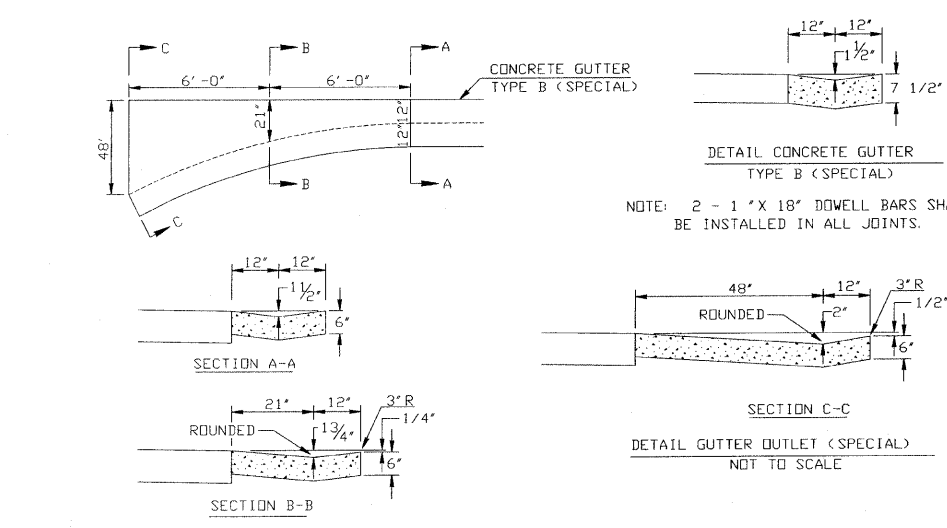
CLASS SI CONCRETE SHALL BE USED THROUGHOUT.

THE INLET SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR INLETS, SPECIAL, TYPE I, WHICH PRICE SHALL INCLUDE THE COST OF THE CAST IRON FRAME WITH TYPE B CLOSED LID AND REINFORCEMENT BARS AND SHALL BE PAYMENT IN FULL FOR FURNISHING ALL MATERIALS AND FOR CONSTRUCTING THE WORK COMPLETE IN PLACE.

THE INLET MAY BE PRECAST OR MAY BE CAST IN PLACE. JOINTS AND STEEL BARS IN THE WALLS SHALL BE OMITTED IF CAST IN PLACE. IF PRECAST, THE JOINTS AND STEEL BARS SHALL BE PLACED AS SHOWN.

THE DEPTH OF THE INLET SHALL BE VARIED TO FIT FIELD CONDITIONS. THE LID MAY BE CAST SEPARATELY OR MONOLITHICALLY WITH THE UPPER SECTION OF THE INLET.

CAST IRON FRAME SHALL BE NEENAH #R-1537



SCHEDULE: WATER UTILITY

OWNED BY LAKESIDE WATER DISTRICT

LOCATION (STATION)	OFFSET	WATER METER AND SERVICE LINE TO BE RELOCATED/ADJUSTED	WATER VALUES TO BE ADJUSTED
2+54	8' LT	1	1
5+80	33' RT	1	1
5+80	35' RT	1	1
9+51	10' LT	1	1
9+63	2' LT	1	1
TOTALS		3	2

* LAKESIDE WATER DISTRICT TO PERFORM THIS WORK. NO PAY ITEMS IN CONTRACT.
** CONTRACTOR TO PERFORM THIS WORK. PAY ITEM INCLUDED IN CONTRACT.

SCHEDULE: CURB AND GUTTER

CURB AND GUTTER (INSTALLATION & REMOVAL)

LOCATION (STATION)	OFFSET	UNIT	FOOT	FOOT	EACH	FOOT	FOOT	SG	F	TS	F	T
2+00 TO 2+83	28' LT TO 24' LT				83							
2+63 TO 2+75	23' RT				1							
2+75 TO 4+50	23' RT			175								
4+50 TO 5+71	23' RT TO 20.30' RT			121								
9+94 TO 9+96	35' RT TO 40' RT					5						
10+21 TO 10+23	35' RT TO 40' RT					5						
11+32.5 TO 11+55	28.5' LT TO 5' LT					42						
11+77 TO 11+97	6' LT TO 18' LT					30						
11+32.5 TO 11+53	27' LT TO RC		20									
11+77 TO 11+97	27' LT TO RC		20									
3+47.5 TO 3+53.7	14.6' LT TO 51.5' LT					41						
3+77.3 TO 4+03.6	6.6' LT TO 8.6' LT					68.2						
3+82.8 TO 4+04.5	6.9' LT TO 14.0' LT											
3+82.8 TO 4+06.5	6.9' LT TO 25.0' LT									219		254
3+471 TO 3+538	23' LT TO 51.6' LT		32.2									
3+77.3 TO 3+93.8	6.6' LT TO 23' LT		48									
13+02.9 TO 13+29.2	20.9' LT TO 42.1' LT										37	
13+51 TO 13+76.5	42.1' LT TO 20.7' LT										37	
13+04.2 TO 13+28.2	18' LT TO 42.1' LT		38									
13+52 TO 13+76	42.1' LT TO 18' LT		38									
20+27.7 TO 20+36.3	16.2' RT TO 40' RT					27.2						
20+60.2 TO 20+69	40' RT TO 16' RT					27.8						
20+21.3 TO 20+36.3	18' RT TO 40' RT		31									
20+60.3 TO 20+75.3	40' RT TO 18' RT		31									
22+85.7 TO 22+95.5	15.7' RT TO 42.1' RT					30.5						
22+76.5 TO 22+95.5	18' RT TO 42.1' RT		35									
23+20.6 TO 23+29.6	42.1' RT TO 18' RT		35									
22+78.4 TO 22+96.6	6.4' LT TO 40' LT					43.8						
23+26.6 TO 23+45.3	40' LT TO 5' LT					45.5						
22+76.6 TO 22+96.6	18' LT TO 40' LT		33.4									
23+26.6 TO 23+46.6	40' LT TO 18' LT		33.4									
TOTALS			395	296	1	449	74	219	254			

SCHEDULE: SANITARY SEWER UTILITY

OWNED BY THE CITY OF CARBONDALE

LOCATION (STATION)	OFFSET	UNIT	FOOT	FOOT	EACH	EACH	CU. YD	EACH	EACH	FOOT	EACH	EACH
4+36.5	18.5' LT											
4+40 TO 32+97	40' RT TO 35' RT		2882	2865		55						
5+98	20' RT TO 30' RT				1							
8+78	30.3' LT							1				
8+98	53' LT											
9+20	52' LT											
12+68	40.5' RT									1		
14+06	39' RT TO 44' RT										1	
16+48	35' RT										1	
16+68	35' RT										1	
19+82	20' RT TO 35' RT									1		
21+03	15' RT TO 35' RT										1	
22+06	29' RT TO 39' RT										1	
23+36	31' RT TO 39' RT										1	
24+03	21' LT TO 35' LT										1	
27+37 TO 27+59	35' RT										22	
31+58	24' RT TO 35' RT										1	
TOTALS			2882	2865	2	2	55	2	2	22	7	7

SCHEDULE: WATER UTILITIES

OWNED BY THE CITY OF CARBONDALE

LOCATION (STATION)	OFFSET	UNIT	EACH	EACH	FOOT	FOOT	FOOT	EACH
9+67	29' RT TO 39' RT							
10+50	7' LT TO 38' LT		1	1	45			20
12+32	33' RT TO 44' RT							26
13+09	15' RT							1
13+80 TO 13+85	19' LT TO 45' LT		1		5			
14+68	40' LT TO 40' RT							90
16+55	34' RT TO 41' RT							90
19+55	31' RT TO 39' RT							90
20+79	36' RT TO 39' RT							4
24+50	29' RT TO 41' RT		3		270			
TOTALS			2	8	50	270	320	1

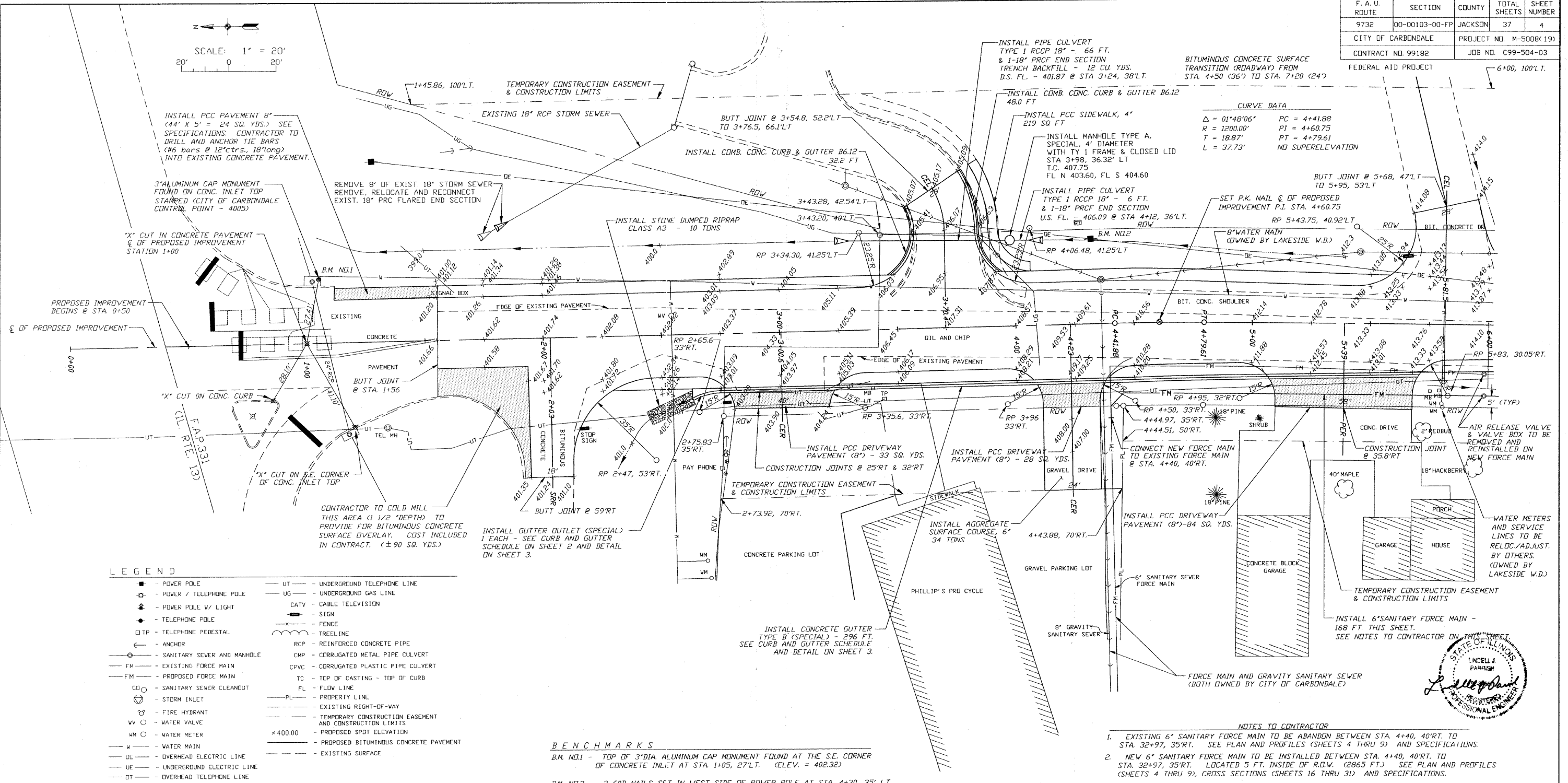
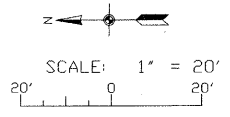
* NOT OWNED BY CITY OF CARBONDALE, HOWEVER, CONTRACTOR TO PERFORM THIS WORK.

** NOT PAID FOR SEPARATELY, BUT CONSIDERED INCIDENTAL TO RECONNECT SANITARY SERVICE.



REV. 9-24-03 JT
REV. 3-07-08 CEB

F. A. U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
9732	00-00103-00-FP	JACKSON	37	4
CITY OF CARBONDALE		PROJECT NO. M-5008(19)		
CONTRACT NO. 99182		JOB NO. C99-504-03		
FEDERAL AID PROJECT				6+00, 100'L.T.



CURVE DATA

$\Delta = 01^{\circ}48'06''$	PC = 4+41.88
R = 1200.00'	PI = 4+60.75
T = 18.87'	PT = 4+79.61
L = 37.73'	NO SUPERELEVATION

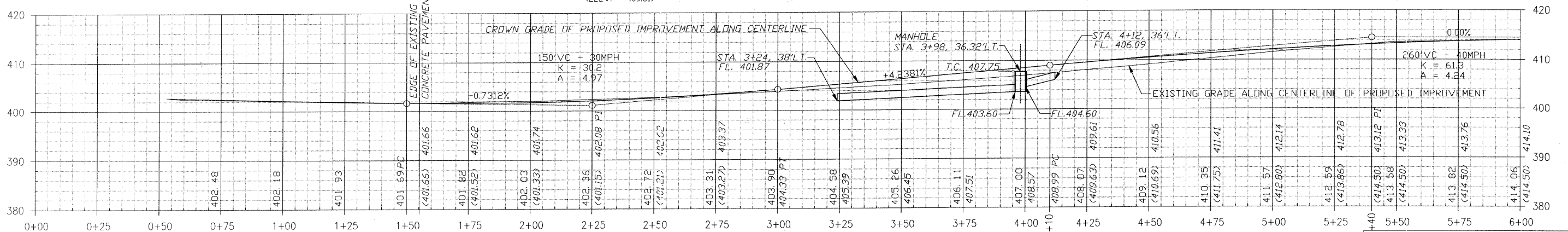
- LEGEND**
- POWER POLE
 - POWER / TELEPHONE POLE
 - POWER POLE W/ LIGHT
 - TELEPHONE POLE
 - TELEPHONE PEDESTAL
 - ANCHOR
 - SANITARY SEWER AND MANHOLE
 - EXISTING FORCE MAIN
 - FM — PROPOSED FORCE MAIN
 - SANITARY SEWER CLEANOUT
 - STORM INLET
 - FIRE HYDRANT
 - WATER VALVE
 - WM — WATER METER
 - W — WATER MAIN
 - DE — OVERHEAD ELECTRIC LINE
 - UE — UNDERGROUND ELECTRIC LINE
 - OT — OVERHEAD TELEPHONE LINE
 - UT — UNDERGROUND TELEPHONE LINE
 - UG — UNDERGROUND GAS LINE
 - CATV — CABLE TELEVISION
 - SIGN
 - FENCE
 - TREELINE
 - RCP — REINFORCED CONCRETE PIPE
 - CMP — CORRUGATED METAL PIPE CULVERT
 - CPVC — CORRUGATED PLASTIC PIPE CULVERT
 - TC — TOP OF CASTING - TOP OF CURB
 - FL — FLOW LINE
 - PL — PROPERTY LINE
 - — — — — EXISTING RIGHT-OF-WAY
 - — — — — TEMPORARY CONSTRUCTION EASEMENT AND CONSTRUCTION LIMITS
 - — — — — PROPOSED SPOT ELEVATION
 - — — — — PROPOSED BITUMINOUS CONCRETE PAVEMENT
 - — — — — EXISTING SURFACE

BENCHMARKS

B.M. NO.1 - TOP OF 3" DIA. ALUMINUM CAP MONUMENT FOUND AT THE S.E. CORNER OF CONCRETE INLET AT STA. 1+05, 27'L.T. (ELEV. = 402.32)

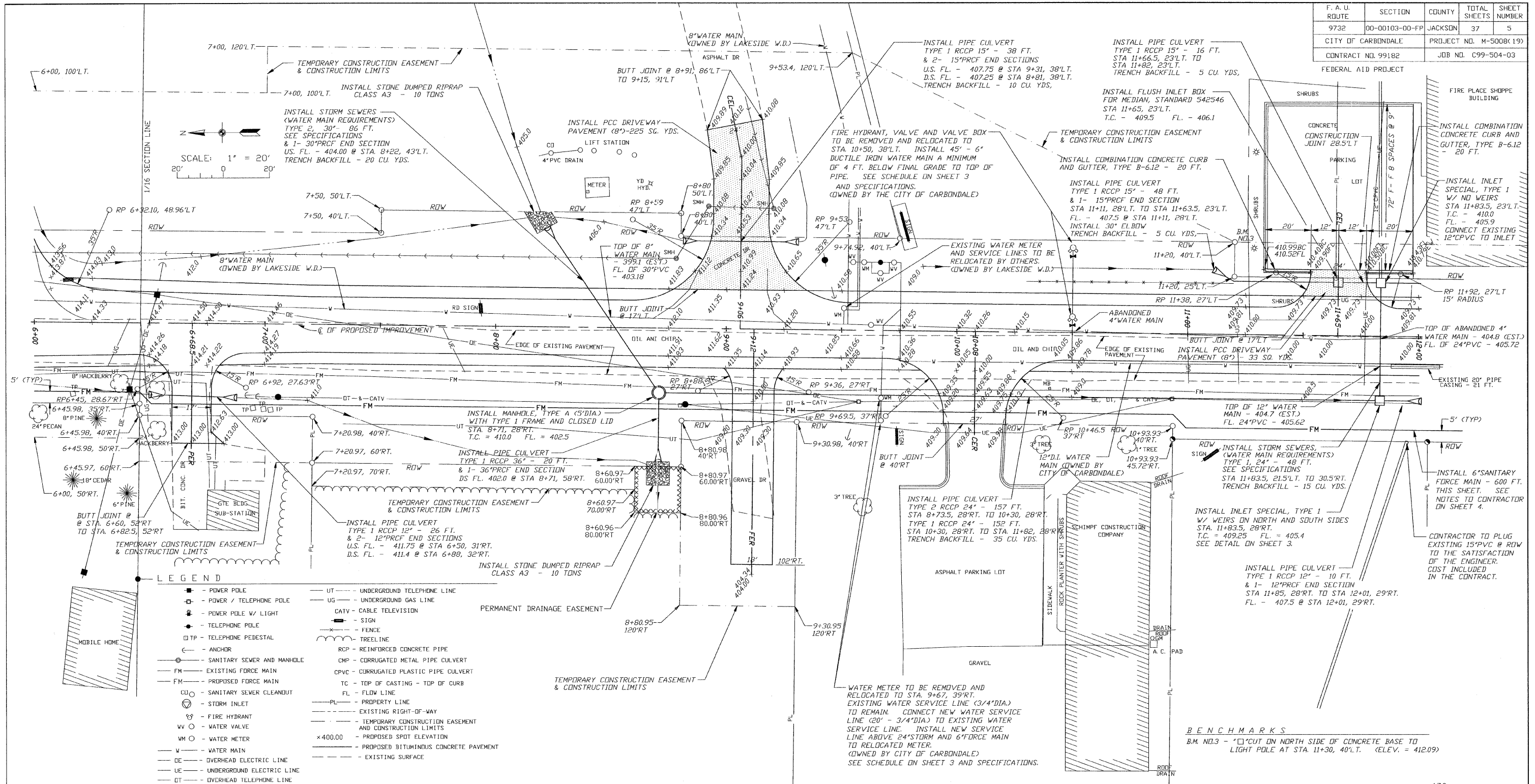
B.M. NO.2 - 2-60D NAILS SET IN WEST SIDE OF POWER POLE AT STA. 4+30, 35' L.T. (ELEV. = 409.51)

- NOTES TO CONTRACTOR**
- EXISTING 6" SANITARY FORCE MAIN TO BE ABANDONED BETWEEN STA. 4+40, 40'RT. TO STA. 32+97, 35'RT. SEE PLAN AND PROFILES (SHEETS 4 THRU 9) AND SPECIFICATIONS.
 - NEW 6" SANITARY FORCE MAIN TO BE INSTALLED BETWEEN STA. 4+40, 40'RT. TO STA. 32+97, 35'RT. LOCATED 5 FT. INSIDE OF R.O.W. (2865 FT.) SEE PLAN AND PROFILES (SHEETS 4 THRU 9), CROSS SECTIONS (SHEETS 16 THRU 31) AND SPECIFICATIONS.



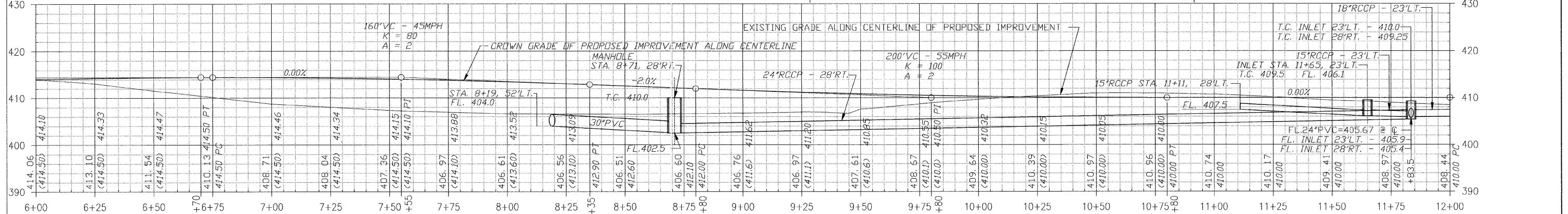
CIP NO. ST0102 - REED STATION ROAD
PLAN AND PROFILE
STA. 0+00 TO STA. 6+00

F. A. U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
9732	00-00103-00-FP	JACKSON	37	5
CITY OF CARBONDALE		PROJECT NO. M-5008(19)		
CONTRACT NO. 99182		JOB NO. C99-504-03		
FEDERAL AID PROJECT				



LEGEND

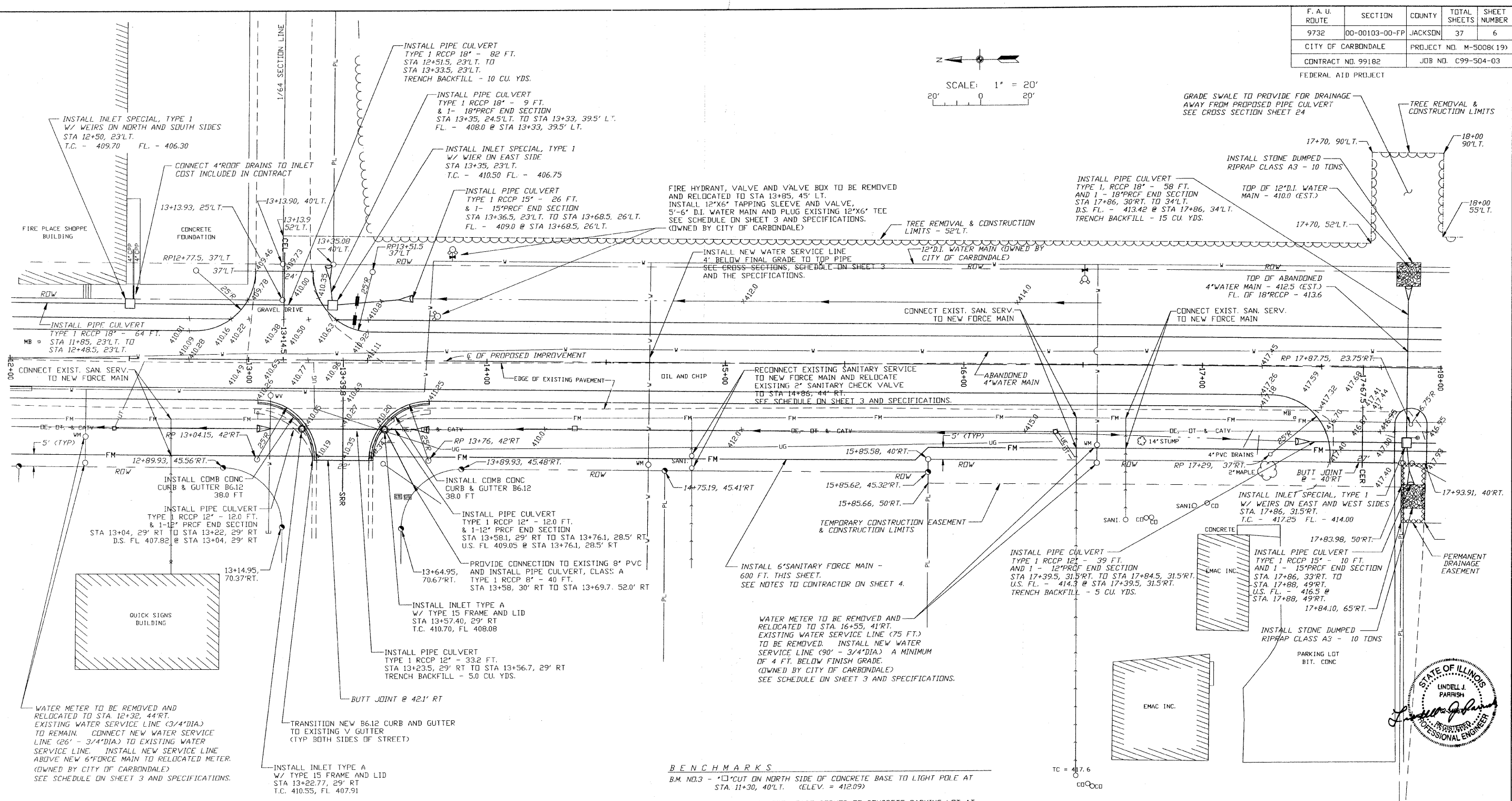
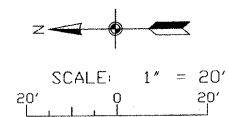
- POWER POLE
- POWER / TELEPHONE POLE
- POWER POLE W/ LIGHT
- TELEPHONE POLE
- TELEPHONE PEDESTAL
- ANCHOR
- SANITARY SEWER AND MANHOLE
- EXISTING FORCE MAIN
- FM — PROPOSED FORCE MAIN
- SANITARY SEWER CLEANOUT
- STORM INLET
- FIRE HYDRANT
- WATER VALVE
- WM — WATER METER
- W — WATER MAIN
- OE — OVERHEAD ELECTRIC LINE
- UE — UNDERGROUND ELECTRIC LINE
- OT — OVERHEAD TELEPHONE LINE
- UT — UNDERGROUND TELEPHONE LINE
- UG — UNDERGROUND GAS LINE
- CATV — CABLE TELEVISION
- SIGN
- FENCE
- TREELINE
- RCP — REINFORCED CONCRETE PIPE
- CMP — CORRUGATED METAL PIPE CULVERT
- CPVC — CORRUGATED PLASTIC PIPE CULVERT
- TC — TOP OF CASTING — TOP OF CURB
- FL — FLOW LINE
- PL — PROPERTY LINE
- EXISTING RIGHT-OF-WAY
- TEMPORARY CONSTRUCTION EASEMENT AND CONSTRUCTION LIMITS
- PROPOSED SPOT ELEVATION
- X400.00 — EXISTING SURFACE



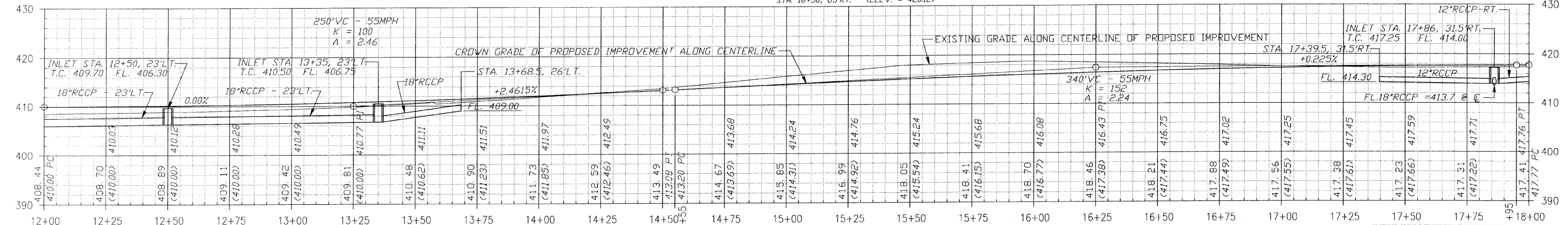
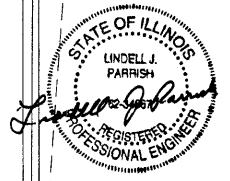
CIP NO. ST0102	REED STATION ROAD
PLAN AND PROFILE	
STA. 6+00 TO STA. 12+00	

F. A. U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
973E	00-00103-00-FP	JACKSON	37	6
CITY OF CARBONDALE		PROJECT NO. M-5008.19		
CONTRACT NO. 99182		JOB NO. C99-504-03		

FEDERAL AID PROJECT



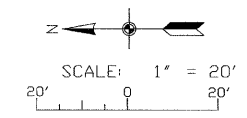
BENCHMARKS
 B.M. NO. 3 - "C" CUT ON NORTH SIDE OF CONCRETE BASE TO LIGHT POLE AT STA. 11+30, 40'L.T. (ELEV. = 412.09)
 B.M. NO. 4 - "C" CUT AT NORTH EAST CORNER OF CONCRETE PARKING LOT AT STA. 18+50, 65'RT. (ELEV. = 420.12)



CIP NO. ST0102 - REED STATION ROAD
PLAN AND PROFILE
STA. 12+00 TO STA. 18+00

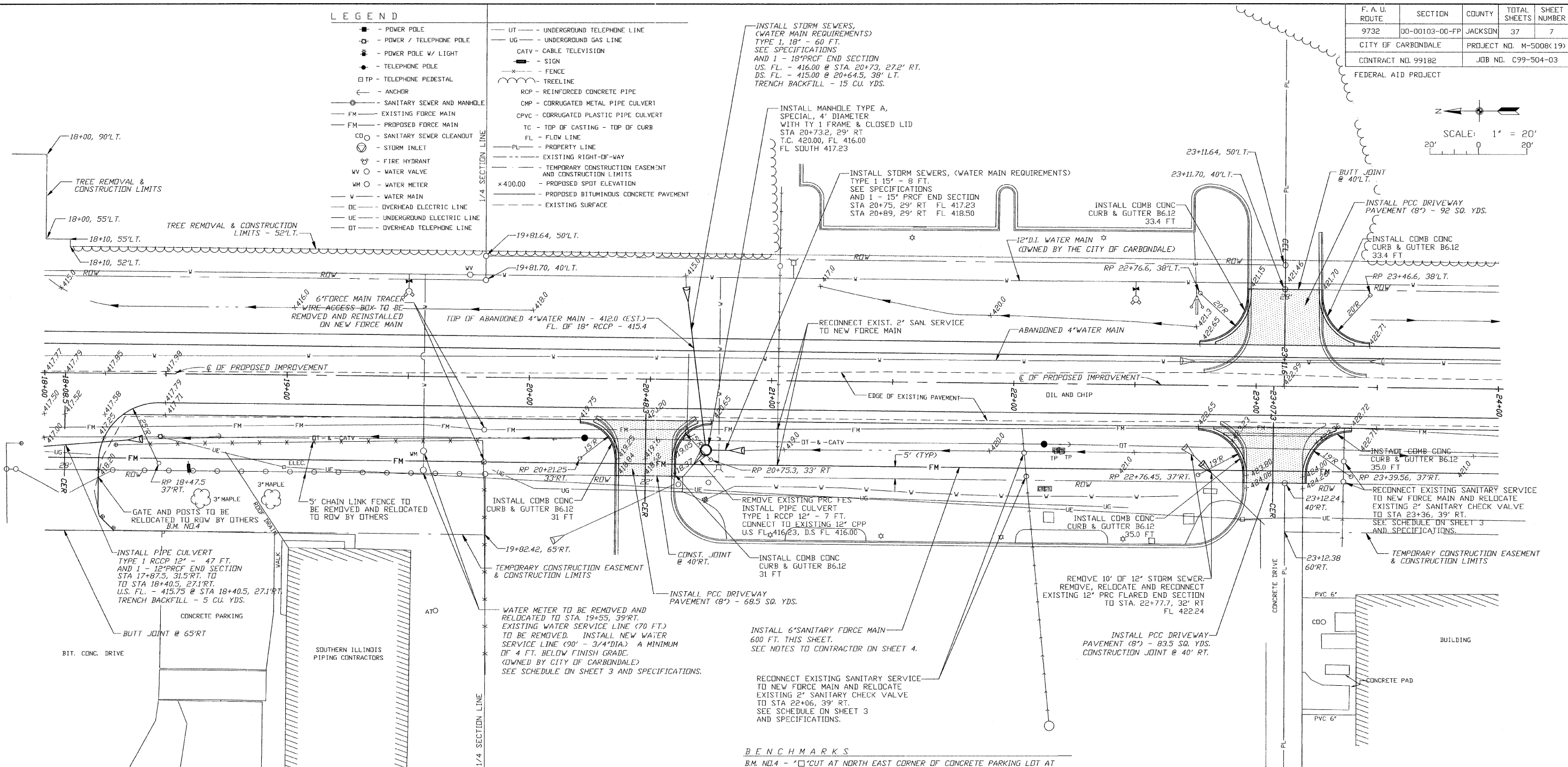
F. A. U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
9732	00-00103-00-FP	JACKSON	37	7
CITY OF CARBONDALE		PROJECT NO. M-5008(19)		
CONTRACT NO. 99182		JOB NO. C99-504-03		

FEDERAL AID PROJECT

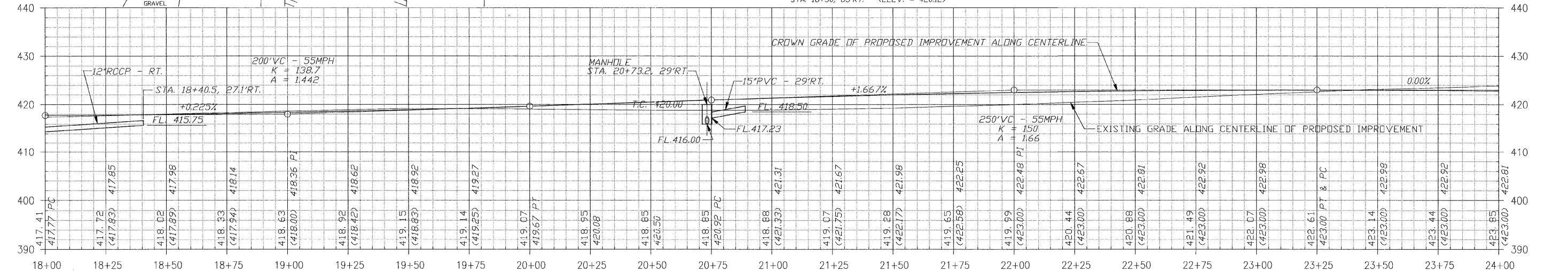


LEGEND

- - POWER POLE
- - POWER / TELEPHONE POLE
- ⊕ - POWER POLE W/ LIGHT
- - TELEPHONE POLE
- TP - TELEPHONE PEDESTAL
- - ANCHOR
- - SANITARY SEWER AND MANHOLE
- FM — - EXISTING FORCE MAIN
- FM — - PROPOSED FORCE MAIN
- CDO — - SANITARY SEWER CLEANDOUT
- ⊙ - STORM INLET
- ⊕ - FIRE HYDRANT
- ⊙ - WATER VALVE
- ⊙ - WATER METER
- W — - WATER MAIN
- DE — - OVERHEAD ELECTRIC LINE
- UE — - UNDERGROUND ELECTRIC LINE
- OT — - OVERHEAD TELEPHONE LINE
- UT — - UNDERGROUND TELEPHONE LINE
- UG — - UNDERGROUND GAS LINE
- CATV — - CABLE TELEVISION
- - - - - FENCE
- - - - - TREELINE
- RCP — - REINFORCED CONCRETE PIPE
- CMP — - CORRUGATED METAL PIPE CULVERT
- CPVC — - CORRUGATED PLASTIC PIPE CULVERT
- TC — - TOP OF CASTING - TOP OF CURB
- FL — - FLOW LINE
- PL — - PROPERTY LINE
- - - - - EXISTING RIGHT-OF-WAY
- - - - - TEMPORARY CONSTRUCTION EASEMENT AND CONSTRUCTION LIMITS
- ×400.00 - PROPOSED SPOT ELEVATION
- - - - - PROPOSED BITUMINOUS CONCRETE PAVEMENT
- - - - - EXISTING SURFACE

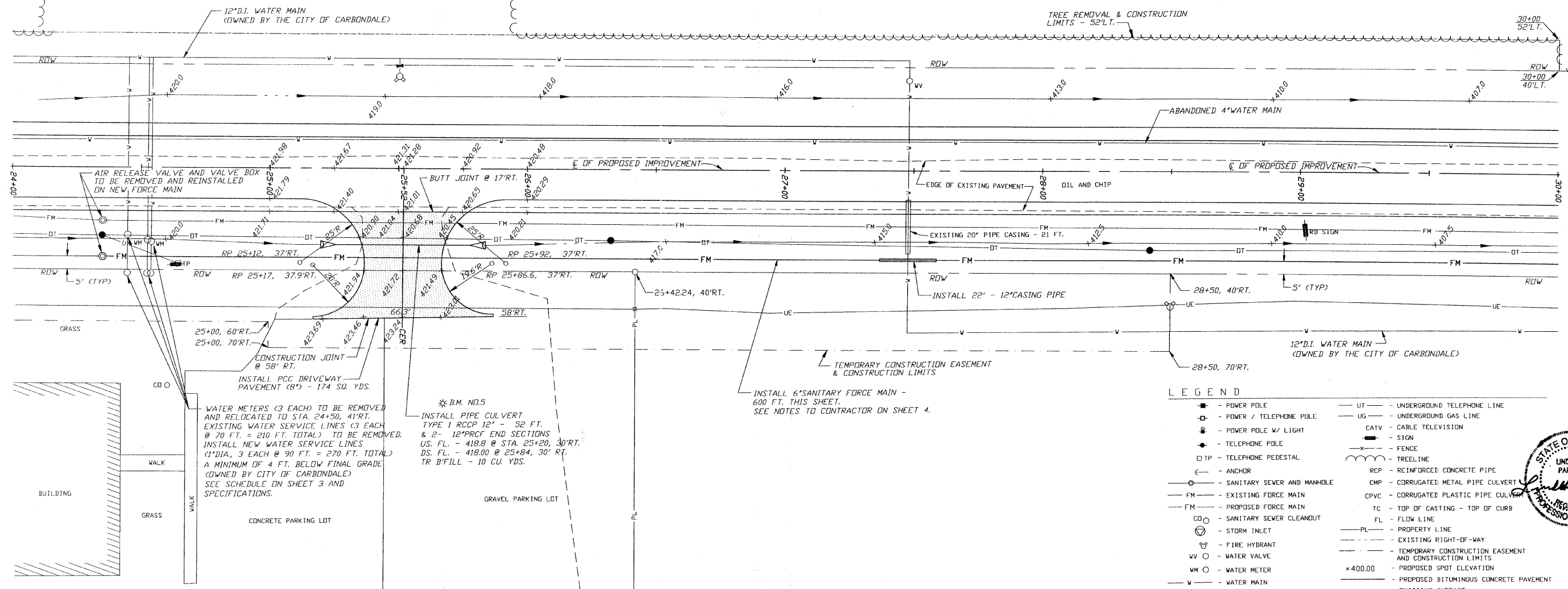
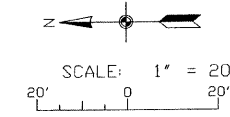


BENCHMARKS
 B.M. N1.4 - 'C' CUT AT NORTH EAST CORNER OF CONCRETE PARKING LOT AT STA. 18+50, 65' RT. (ELEV. = 420.12)



CIP NO. ST0102 - REED STATION ROAD
PLAN AND PROFILE
STA. 18+00 TO STA. 24+00

F. A. U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
9732	00-00103-00-FP	JACKSON	37	8
CITY OF CARBONDALE		PROJECT NO. M-5008(19)		
CONTRACT NO. 99182		JOB NO. C99-504-03		
FEDERAL AID PROJECT				



WATER METERS (3 EACH) TO BE REMOVED AND RELOCATED TO STA. 24+50, 41' RT. EXISTING WATER SERVICE LINES (3 EACH @ 70 FT. TOTAL) TO BE REMOVED. INSTALL NEW WATER SERVICE LINES (1" DIA., 3 EACH @ 90 FT. = 270 FT. TOTAL) A MINIMUM OF 4 FT. BELOW FINAL GRADE (OWNED BY CITY OF CARBONDALE) SEE SCHEDULE ON SHEET 3 AND SPECIFICATIONS.

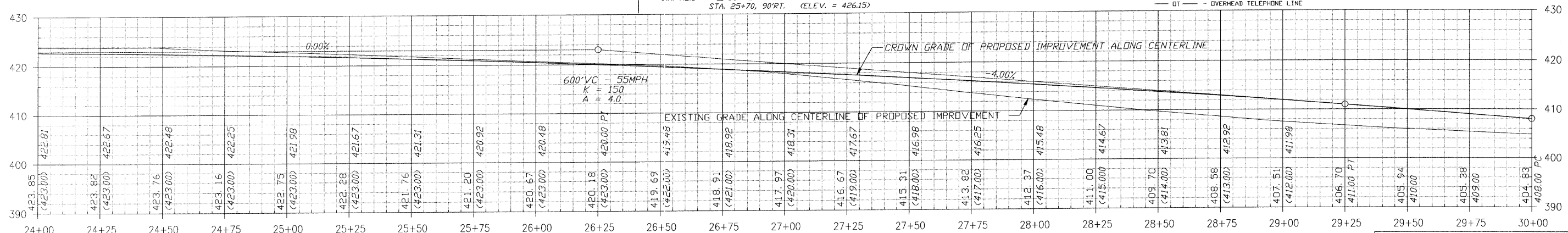
* B.M. NO. 5
INSTALL PIPE CULVERT TYPE 1 RCP 12" - 52 FT. & 2" - 12" RCP END SECTIONS US. FL. - 418.8 @ STA. 25+20, 30' RT. DS. FL. - 418.00 @ 25+84, 30' RT. TR B'FILL - 10 CU. YDS.

INSTALL 6" SANITARY FORCE MAIN - 600 FT. THIS SHEET. SEE NOTES TO CONTRACTOR ON SHEET 4.

LEGEND

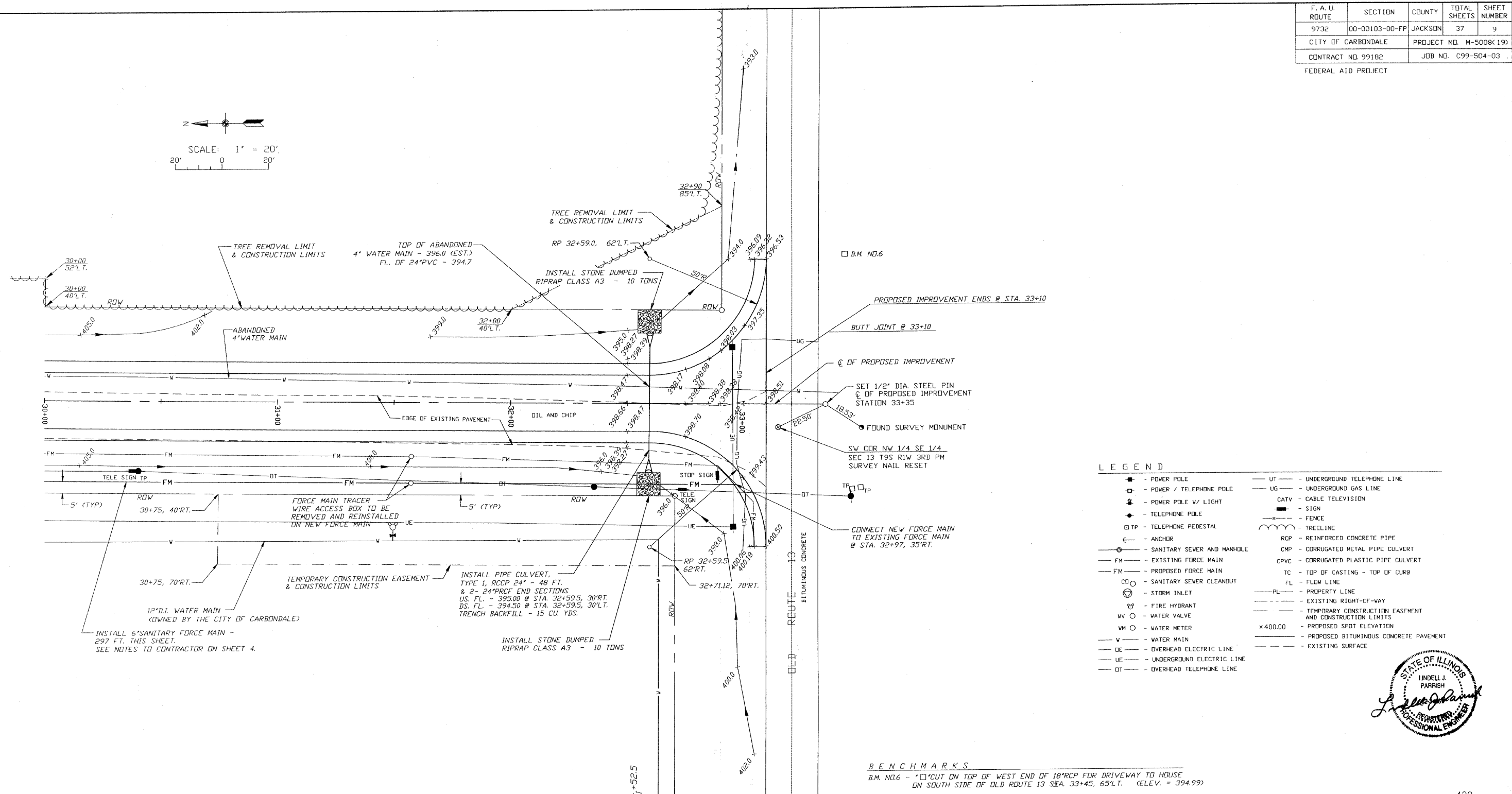
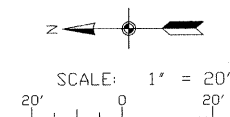
- P — POWER POLE
- T — TELEPHONE POLE
- P/L — POWER POLE W/ LIGHT
- T/P — TELEPHONE POLE
- T/P — TELEPHONE PEDESTAL
- A — ANCHOR
- S — SANITARY SEWER AND MANHOLE
- FM — EXISTING FORCE MAIN
- FM — PROPOSED FORCE MAIN
- CO — SANITARY SEWER CLEAOUT
- S — STORM INLET
- F — FIRE HYDRANT
- W — WATER VALVE
- M — WATER METER
- W — WATER MAIN
- DE — OVERHEAD ELECTRIC LINE
- UE — UNDERGROUND ELECTRIC LINE
- DT — OVERHEAD TELEPHONE LINE
- UT — UNDERGROUND TELEPHONE LINE
- UG — UNDERGROUND GAS LINE
- CATV — CABLE TELEVISION
- S — SIGN
- F — FENCE
- T — TREE LINE
- RCP — REINFORCED CONCRETE PIPE
- CMP — CORRUGATED METAL PIPE CULVERT
- CPVC — CORRUGATED PLASTIC PIPE CULVERT
- TC — TOP OF CASTING - TOP OF CURB
- FL — FLOW LINE
- PL — PROPERTY LINE
- — — — — EXISTING RIGHT-OF-WAY
- — — — — TEMPORARY CONSTRUCTION EASEMENT AND CONSTRUCTION LIMITS
- x400.00 — PROPOSED SPOT ELEVATION
- — — — — PROPOSED BITUMINOUS CONCRETE PAVEMENT
- — — — — EXISTING SURFACE

BENCHMARKS
B.M. NO. 5 - "CUT ON EAST SIDE OF CONCRETE BASE TO LIGHT POLE AT STA. 25+70, 90' RT. (ELEV. = 426.15)



F. A. U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
9732	00-00103-00-FP	JACKSON	37	9
CITY OF CARBONDALE		PROJECT NO. M-5008(19)		
CONTRACT NO. 99182		JOB NO. C99-504-03		

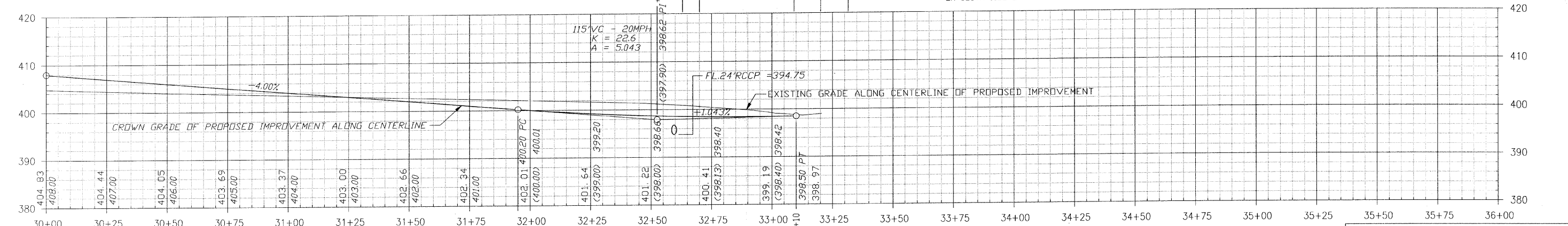
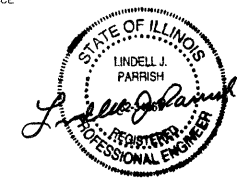
FEDERAL AID PROJECT



LEGEND

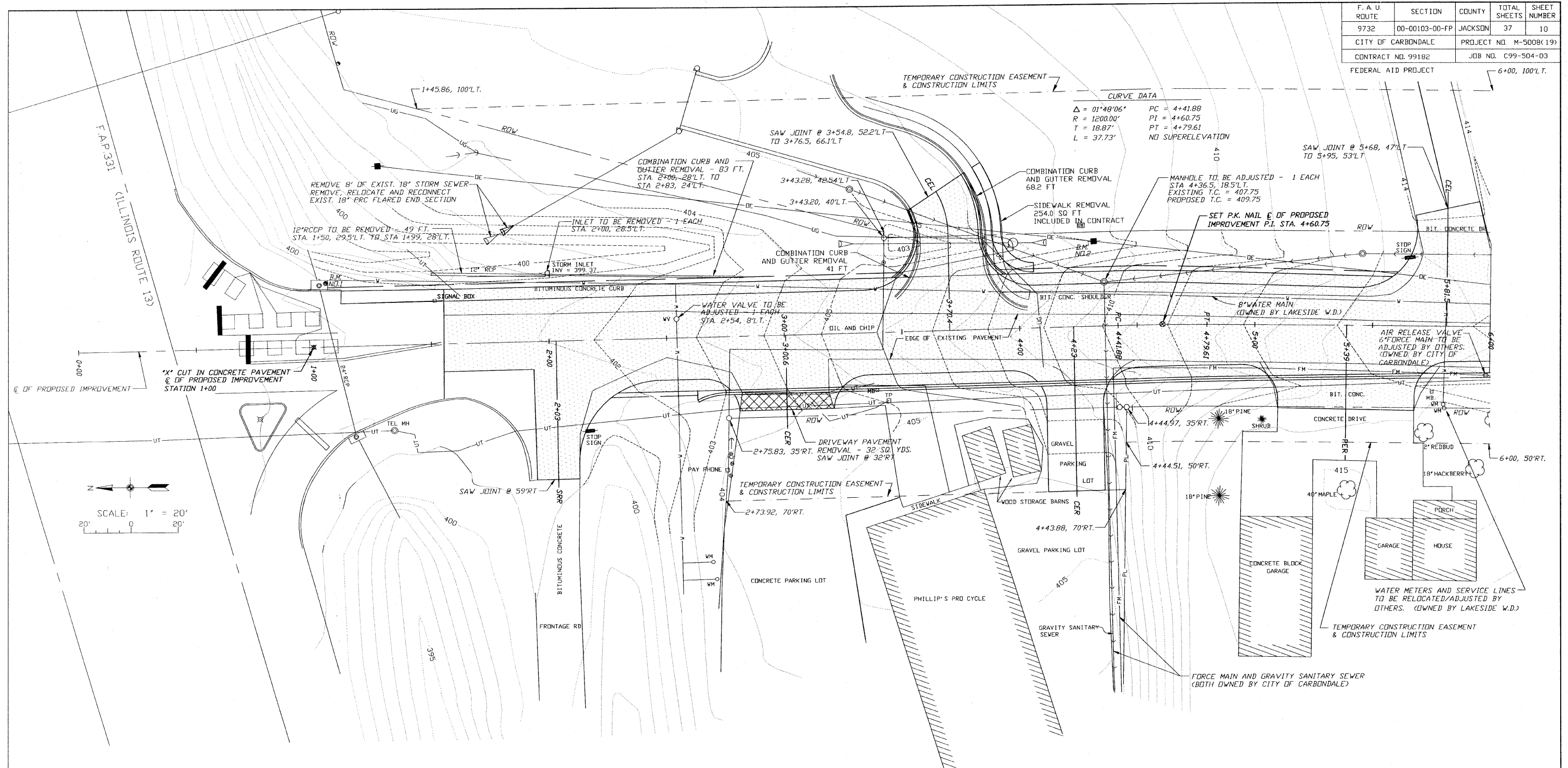
■	- POWER POLE	UT	- UNDERGROUND TELEPHONE LINE
□	- POWER / TELEPHONE POLE	UG	- UNDERGROUND GAS LINE
⊕	- POWER POLE W/ LIGHT	CATV	- CABLE TELEVISION
●	- TELEPHONE POLE	—	- SIGN
□ TP	- TELEPHONE PEDESTAL	—	- FENCE
⊖	- ANCHOR	—	- TREELINE
⊙	- SANITARY SEWER AND MANHOLE	RCP	- REINFORCED CONCRETE PIPE
— FM	- EXISTING FORCE MAIN	CPVC	- CORRUGATED METAL PIPE CULVERT
— FM	- PROPOSED FORCE MAIN	CPVC	- CORRUGATED PLASTIC PIPE CULVERT
⊙	- SANITARY SEWER CLEANOUT	TC	- TOP OF CASTING - TOP OF CURB
⊙	- STORM INLET	FL	- FLOW LINE
⊕	- FIRE HYDRANT	— PL	- PROPERTY LINE
WV	- WATER VALVE	---	- EXISTING RIGHT-OF-WAY
WM	- WATER METER	---	- TEMPORARY CONSTRUCTION EASEMENT AND CONSTRUCTION LIMITS
— W	- WATER MAIN	×400.00	- PROPOSED SPOT ELEVATION
— OE	- OVERHEAD ELECTRIC LINE	---	- PROPOSED BITUMINOUS CONCRETE PAVEMENT
— UE	- UNDERGROUND ELECTRIC LINE	---	- EXISTING SURFACE
— OT	- OVERHEAD TELEPHONE LINE		

BENCHMARKS
 B.M. NO.6 - 1" CUT ON TOP OF WEST END OF 18" RCP FOR DRIVEWAY TO HOUSE ON SOUTH SIDE OF OLD ROUTE 13 STA. 33+45, 65'L.T. (ELEV. = 394.99)



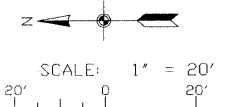
CIP NO. ST0102 - REED STATION ROAD
PLAN AND PROFILE
STA. 30+00 TO STA. 33+10

F. A. U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
9732	00-00103-00-FP	JACKSON	37	10
CITY OF CARBONDALE		PROJECT NO. M-5008(19)		
CONTRACT NO. 99182		JOB NO. C99-504-03		
FEDERAL AID PROJECT				



CURVE DATA

$\Delta = 01^{\circ}49'06''$	PC = 4+41.88
R = 1200.00'	PI = 4+60.75
T = 18.87'	PT = 4+79.61
L = 37.73'	NO SUPERELEVATION



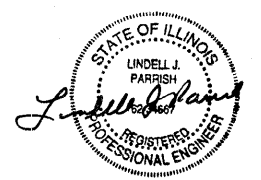
BENCHMARKS

B.M. NO.1 - TOP OF 3" DIA. ALUMINUM CAP MONUMENT FOUND AT THE S.E. CORNER OF CONCRETE INLET AT STA. 1+05, 27'L.T. (ELEV. = 402.32)

B.M. NO.2 - 2-60D NAILS SET IN WEST SIDE OF POWER POLE AT STA. 4+30, 35' L.T. (ELEV. = 409.51)

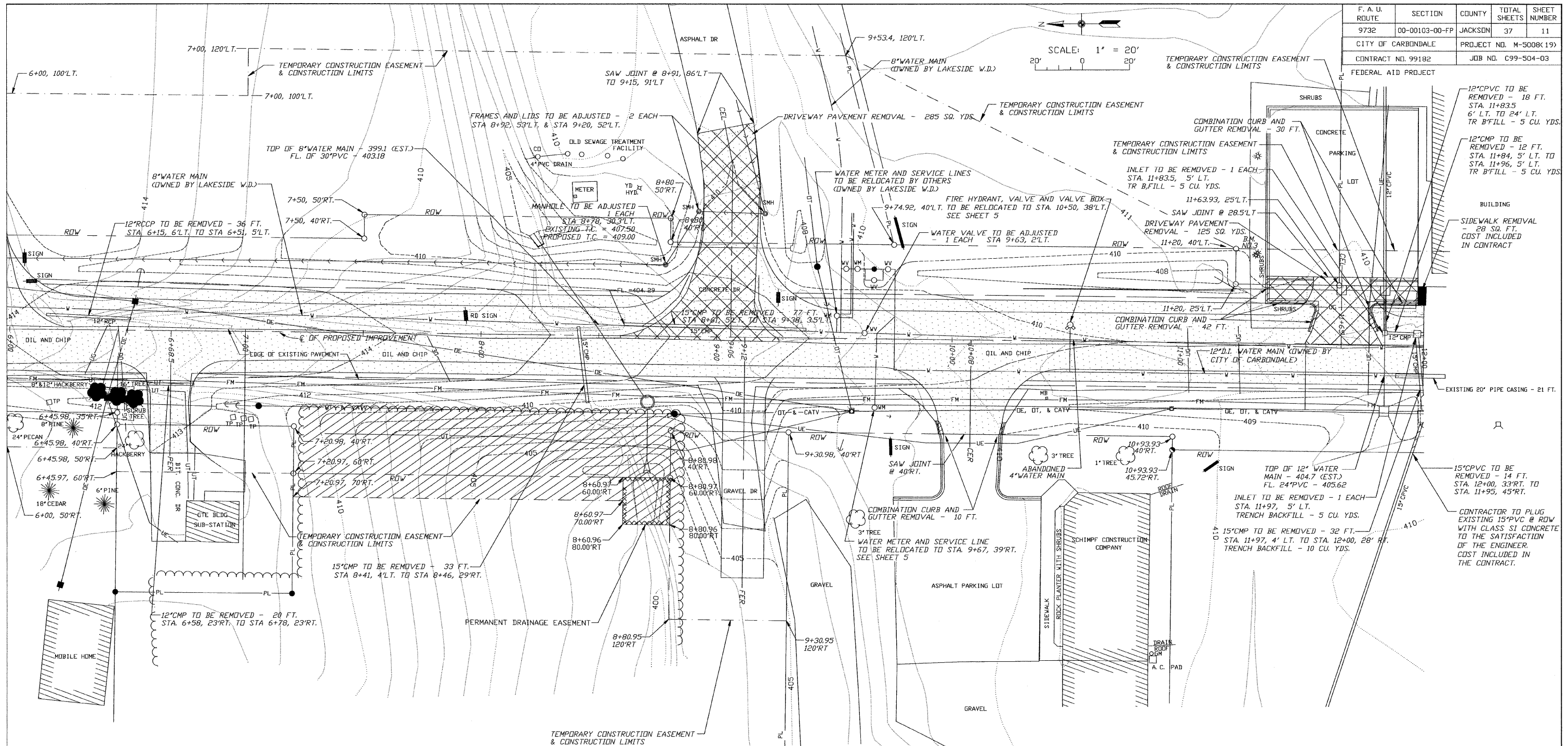
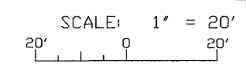
LEGEND

<ul style="list-style-type: none"> — POWER POLE — POWER / TELEPHONE POLE — POWER POLE W/ LIGHT — TELEPHONE POLE — TELEPHONE PEDESTAL — ANCHOR — SANITARY SEWER AND MANHOLE — FM - FORCE MAIN — CD - SANITARY SEWER CLEANDOUT — STORM INLET — FIRE HYDRANT — WM - WATER VALVE — WM - WATER METER — V - WATER MAIN — DE - OVERHEAD ELECTRIC LINE — UE - UNDERGROUND ELECTRIC LINE — DT - OVERHEAD TELEPHONE LINE — UT - UNDERGROUND TELEPHONE LINE — UG - UNDERGROUND GAS LINE — CATV - CABLE TELEVISION — SIGN 	<ul style="list-style-type: none"> — FENCE — TREELINE — RCP - REINFORCED CONCRETE PIPE — CMP - CORRUGATED METAL PIPE CULVERT — CPVC - CORRUGATED PLASTIC PIPE CULVERT — TC - TOP OF CASTING - TOP OF CURB — FL - FLOW LINE — PL - PROPERTY LINE — EXISTING RIGHT-OF-WAY — TEMPORARY CONSTRUCTION EASEMENT AND CONSTRUCTION LIMITS — 400 - EXISTING CONTOUR — 400 - PROPOSED CONTOUR — TREE REMOVAL, ACRES — TREE REMOVAL, UNITS — DRIVEWAY PAVEMENT REMOVAL — PROPOSED BITUMINOUS CONCRETE PAVEMENT — PROPOSED EARTH SHOULDER — PROPOSED AGGREGATE SURFACE
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CIP NO. ST0102 - REED STATION ROAD
 GRADING AND ITEM REMOVAL PLAN
 STA. 0+00 TO STA. 6+00

F. A. U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
9732	00-00103-00-FP	JACKSON	37	11
CITY OF CARBONDALE		PROJECT NO. M-5008(19)		
CONTRACT NO. 99182		JOB NO. C99-504-03		
FEDERAL AID PROJECT				



LEGEND

■ - POWER POLE	--- - FENCE
□ - POWER / TELEPHONE POLE	--- - TREELINE
⊕ - POWER POLE W/ LIGHT	--- - RCP - REINFORCED CONCRETE PIPE
● - TELEPHONE POLE	--- - CMP - CORRUGATED METAL PIPE CULVERT
□ TP - TELEPHONE PEDESTAL	--- - CPVC - CORRUGATED PLASTIC PIPE CULVERT
⊕ - ANCHOR	--- - TC - TOP OF CASTING - TOP OF CURB
○ - SANITARY SEWER AND MANHOLE	--- - FL - FLOW LINE
FM - FORCE MAIN	--- - PL - PROPERTY LINE
CO - SANITARY SEWER CLEANDUT	--- - EXISTING RIGHT-OF-WAY
⊕ - STORM INLET	--- - TEMPORARY CONSTRUCTION EASEMENT AND CONSTRUCTION LIMITS
⊕ - FIRE HYDRANT	--- - EXISTING CONTOUR
⊕ - WATER VALVE	--- - PROPOSED CONTOUR
WM - WATER METER	--- - TREE REMOVAL, ACRES
W - WATER MAIN	--- - TREE REMOVAL, UNITS
DE - OVERHEAD ELECTRIC LINE	--- - DRIVEWAY PAVEMENT REMOVAL
UE - UNDERGROUND ELECTRIC LINE	--- - PROPOSED BITUMINOUS CONCRETE PAVEMENT
OT - OVERHEAD TELEPHONE LINE	--- - PROPOSED EARTH SHOULDER
UT - UNDERGROUND TELEPHONE LINE	--- - PROPOSED AGGREGATE SURFACE
UG - UNDERGROUND GAS LINE	
CATV - CABLE TELEVISION	
■ - SIGN	

BENCHMARKS
 B.M. NO.3 - 1\"/>

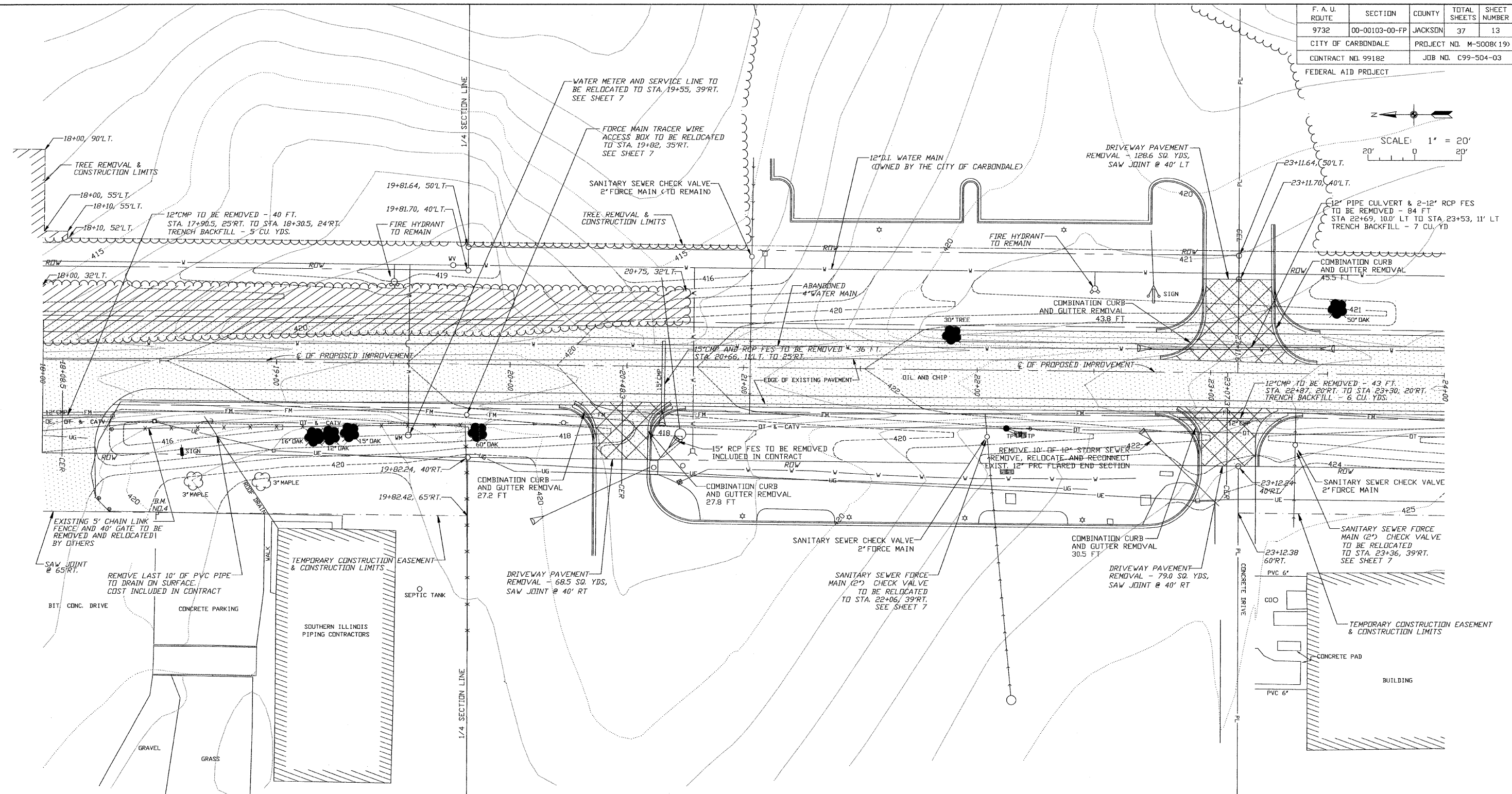
CIP NO. ST0102 - REED STATION ROAD
GRADING AND ITEM REMOVAL PLAN
STA. 6+00 TO STA. 12+00

F. A. U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
9732	00-00103-00-FP	JACKSON	37	13
CITY OF CARBONDALE		PROJECT NO. M-5008(19)		
CONTRACT NO. 99182		JOB NO. C99-504-03		

FEDERAL AID PROJECT



SCALE: 1" = 20'



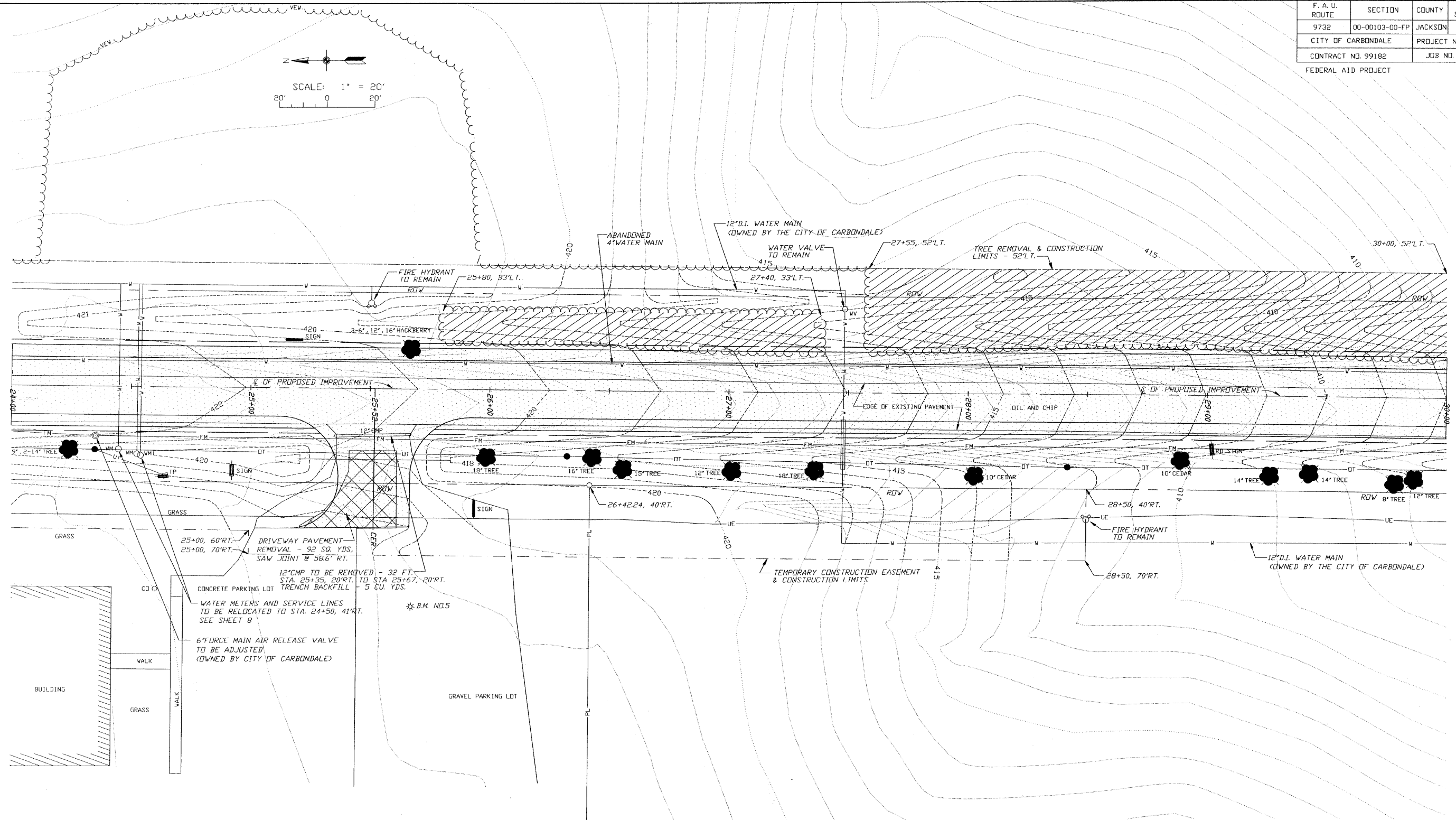
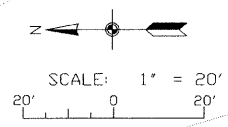
BENCHMARKS
 B.M. NO.4 - "CUT AT NORTH EAST CORNER OF CONCRETE PARKING LOT AT STA. 18+50, 65'RT. (ELEV. = 420.12)

LEGEND

<ul style="list-style-type: none"> —●— POWER POLE —□— POWER / TELEPHONE POLE —●— POWER POLE W/ LIGHT —●— TELEPHONE POLE —□ TP — TELEPHONE PEDESTAL —○— ANCHOR —○— SANITARY SEWER AND MANHOLE —○— FORCE MAIN —○— SANITARY SEWER CLEANDOUT —○— STORM INLET —○— FIRE HYDRANT —○— WATER VALVE —○— WATER METER —○— WATER MAIN —○— OVERHEAD ELECTRIC LINE —○— UNDERGROUND ELECTRIC LINE —○— OVERHEAD TELEPHONE LINE —○— UNDERGROUND TELEPHONE LINE —○— UNDERGROUND GAS LINE —○— CABLE TELEVISION —○— SIGN 	<ul style="list-style-type: none"> —○— FENCE —○— TREELINE —○— RCP - REINFORCED CONCRETE PIPE —○— CMP - CORRUGATED METAL PIPE CULVERT —○— CPVC - CORRUGATED PLASTIC PIPE CULVERT —○— TC - TOP OF CASTING - TOP OF CURB —○— FL - FLOW LINE —○— PL - PROPERTY LINE —○— EXISTING RIGHT-OF-WAY —○— TEMPORARY CONSTRUCTION EASEMENT AND CONSTRUCTION LIMITS —○— 400 - EXISTING CONTOUR —○— 400 - PROPOSED CONTOUR —○— TREE REMOVAL, ACRES —○— TREE REMOVAL, UNITS —○— DRIVEWAY PAVEMENT REMOVAL —○— PROPOSED BITUMINOUS CONCRETE PAVEMENT —○— PROPOSED EARTH SHOULDER —○— PROPOSED AGGREGATE SURFACE
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CIP NO. ST0102 - REED STATION ROAD
 GRADING AND ITEM REMOVAL PLAN
 STA. 18+00 TO STA. 24+00

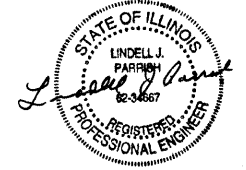
F. A. U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
9732	00-00103-00-FP	JACKSON	37	14
CITY OF CARBONDALE		PROJECT NO. M-5008(19)		
CONTRACT NO. 99182		JOB NO. C99-504-03		
FEDERAL AID PROJECT				



LEGEND

- | | |
|---|---|
| <ul style="list-style-type: none"> —●— POWER POLE —□— POWER / TELEPHONE POLE —●— POWER POLE W/ LIGHT —●— TELEPHONE POLE —□TP— TELEPHONE PEDESTAL —○— ANCHOR —○— SANITARY SEWER AND MANHOLE —FM— FORCE MAIN —CO— SANITARY SEWER CLEANOUT —○— STORM INLET —○— FIRE HYDRANT —V— WATER VALVE —WM— WATER METER —V— WATER MAIN —DE— OVERHEAD ELECTRIC LINE —UE— UNDERGROUND ELECTRIC LINE —DT— OVERHEAD TELEPHONE LINE —UT— UNDERGROUND TELEPHONE LINE —UG— UNDERGROUND GAS LINE —CATV— CABLE TELEVISION —SIGN— SIGN | <ul style="list-style-type: none"> —X— FENCE —○— TREELINE —RCP— REINFORCED CONCRETE PIPE —CMP— CORRUGATED METAL PIPE CULVERT —CPVC— CORRUGATED PLASTIC PIPE CULVERT —TC— TOP OF CASTING - TOP OF CURB —FL— FLOW LINE —PL— PROPERTY LINE —○— EXISTING RIGHT-OF-WAY —○— TEMPORARY CONSTRUCTION EASEMENT AND CONSTRUCTION LIMITS —400— EXISTING CONTOUR —400— PROPOSED CONTOUR —/— TREE REMOVAL, ACRES —●— TREE REMOVAL, UNITS —X— DRIVEWAY PAVEMENT REMOVAL —/— PROPOSED BITUMINIOUS CONCRETE PAVEMENT —/— PROPOSED EARTH SHOULDER —/— PROPOSED AGGREGATE SURFACE |
|---|---|

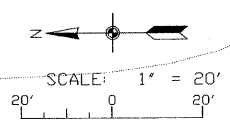
BENCHMARKS
 B.M. NO.5 - "□" CUT ON EAST SIDE OF CONCRETE BASE TO LIGHT POLE AT STA. 25+70, 90" RT. (ELEV. = 426.15)



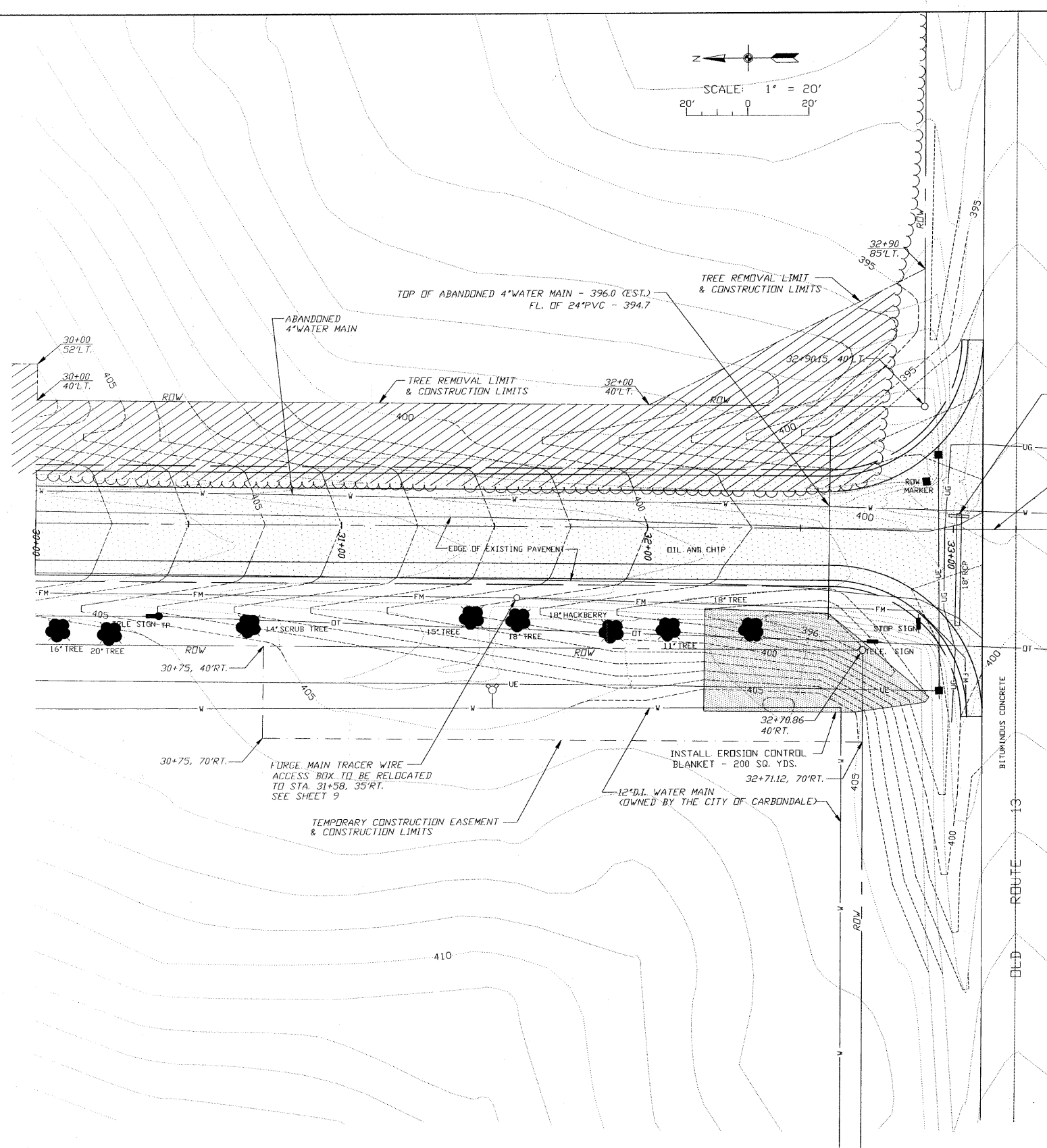
CIP NO. ST0102 - REED STATION ROAD
GRADING AND ITEM REMOVAL PLAN
STA. 24+00 TO STA. 30+00

F. A. U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
9732	00-00103-00-FP	JACKSON	37	15
CITY OF CARBONDALE		PROJECT NO. M-5008(19)		
CONTRACT NO. 99182		JOB NO. C99-504-03		

FEDERAL AID PROJECT



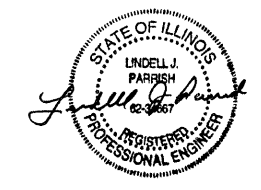
BENCHMARKS
 B.M. NO.6 - 1" CUT ON TOP OF WEST END OF 18"RCP FOR DRIVEWAY TO HOUSE ON SOUTH SIDE OF OLD ROUTE 13 STA. 33+45, 65'L.T. (ELEV. = 394.99)



□ B.M. NO.6
 18"RCCP & HEADWALL TO BE REMOVED - 36 FT. STA 33+02.5'L.T. TO 31'RT. TRENCH BACKFILL - 10 CU. YDS.
 ○ ○ OF PROPOSED IMPROVEMENT
 ○ ○ OF PROPOSED IMPROVEMENT STATION 33+35

LEGEND

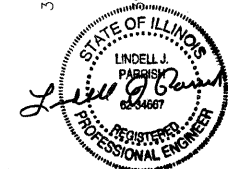
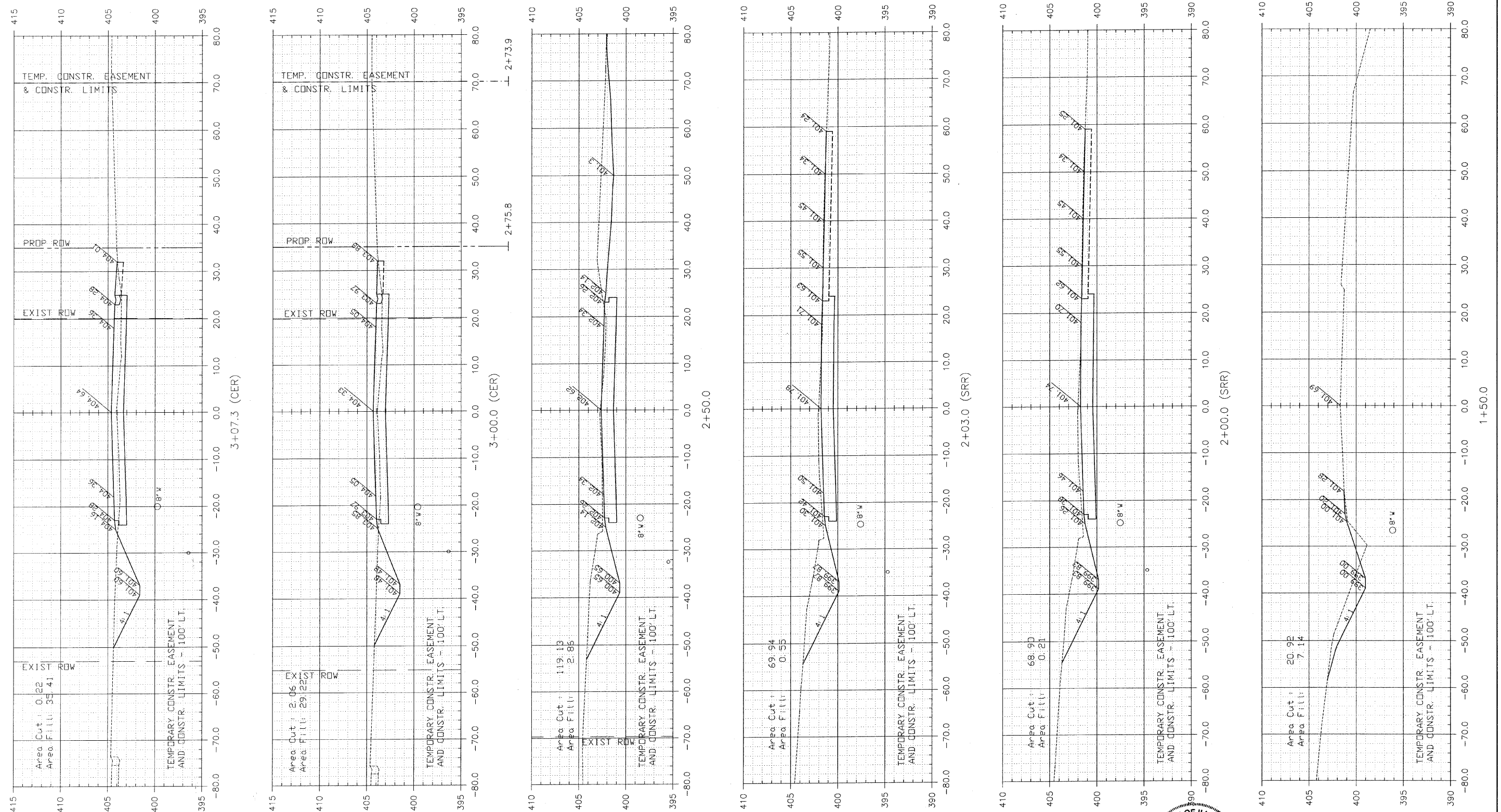
■ - POWER POLE	---X--- - FENCE
□ - POWER / TELEPHONE POLE	~ ~ ~ - TREE LINE
⊕ - POWER POLE W/ LIGHT	---RCP--- - REINFORCED CONCRETE PIPE
● - TELEPHONE POLE	---CMP--- - CORRUGATED METAL PIPE CULVERT
□ TP - TELEPHONE PEDESTAL	---CPVC--- - CORRUGATED PLASTIC PIPE CULVERT
← - ANCHOR	TC - TOP OF CASTING - TOP OF CURB
○ - SANITARY SEWER AND MANHOLE	FL - FLOW LINE
FM - FORCE MAIN	PL - PROPERTY LINE
CO - SANITARY SEWER CLEANOUT	--- - EXISTING RIGHT-OF-WAY
⊙ - STORM INLET	--- - TEMPORARY CONSTRUCTION EASEMENT AND CONSTRUCTION LIMITS
⊕ - FIRE HYDRANT	---400--- - EXISTING CONTOUR
WV ○ - WATER VALVE	---400--- - PROPOSED CONTOUR
WM ○ - WATER METER	▨ - TREE REMOVAL, ACRES
W - WATER MAIN	● - TREE REMOVAL, UNITS
DE - OVERHEAD ELECTRIC LINE	▨ - DRIVEWAY PAVEMENT REMOVAL
UE - UNDERGROUND ELECTRIC LINE	--- - PROPOSED BITUMINOUS CONCRETE PAVEMENT
OT - OVERHEAD TELEPHONE LINE	--- - PROPOSED EARTH SHOULDER
UT - UNDERGROUND TELEPHONE LINE	--- - PROPOSED AGGREGATE SURFACE
UG - UNDERGROUND GAS LINE	
CATV - CABLE TELEVISION	
■ - SIGN	



CIP NO. ST0102 - REED STATION ROAD
GRADING AND ITEM REMOVAL PLAN
STA. 30+00 TO STA. 33+10

F. A. U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
9732	00-00103-00-FP	JACKSON	37	16
CITY OF CARBONDALE		PROJECT NO. M-5008(19)		
CONTRACT NO. 99182		JOB NO. C99-504-03		

FEDERAL AID PROJECT

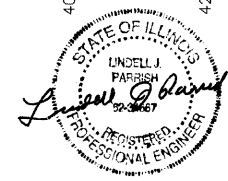
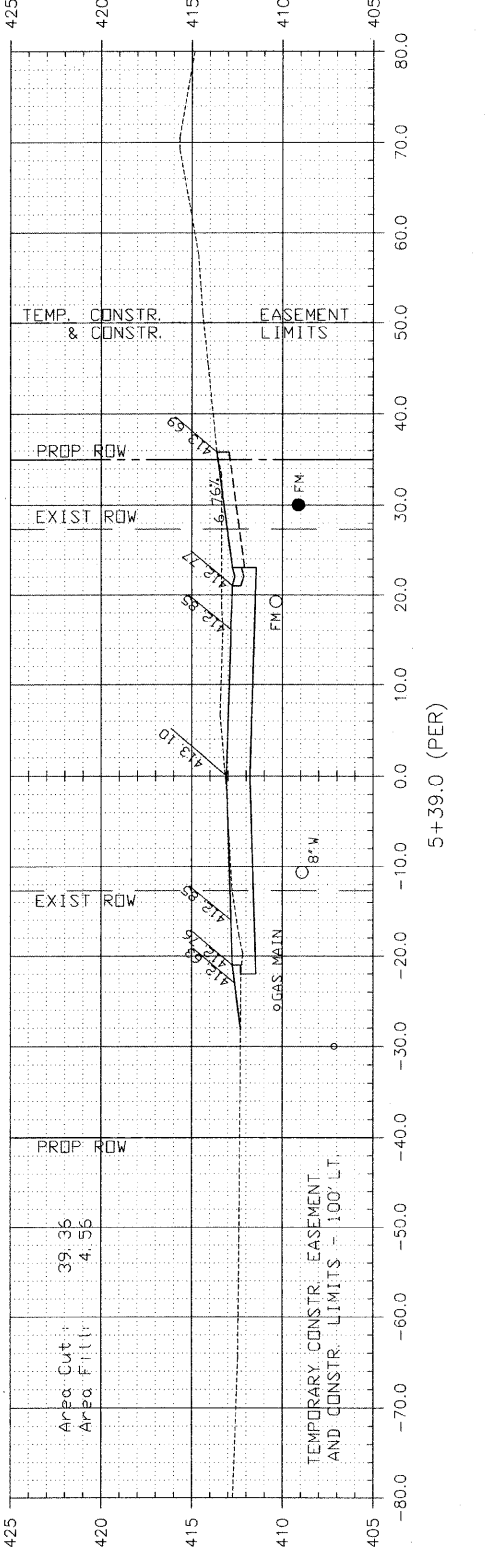
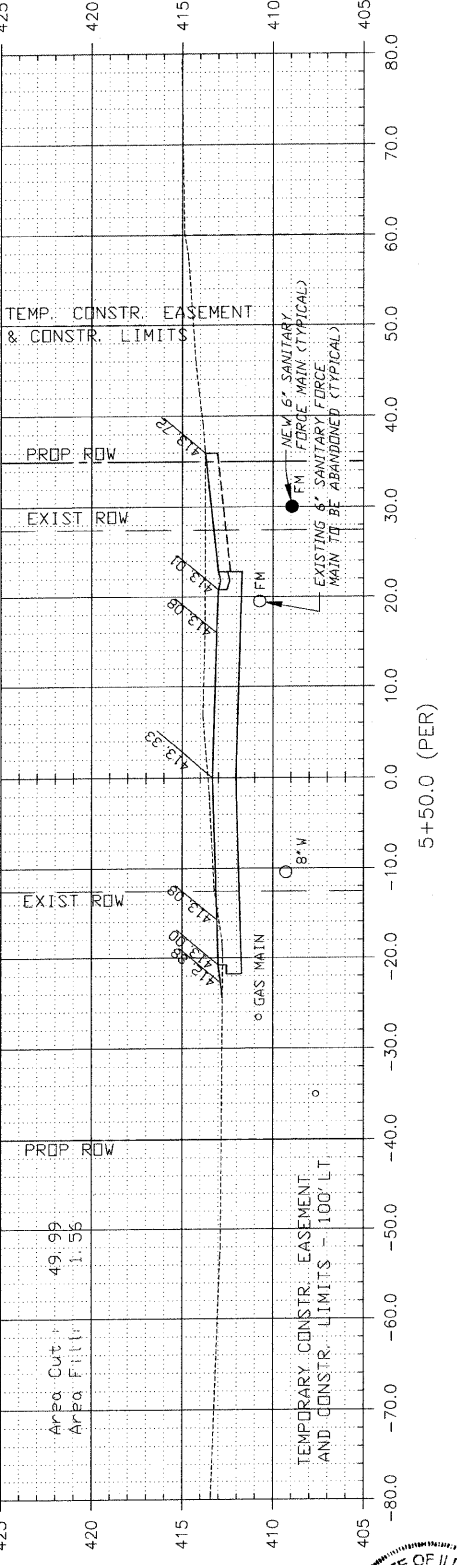
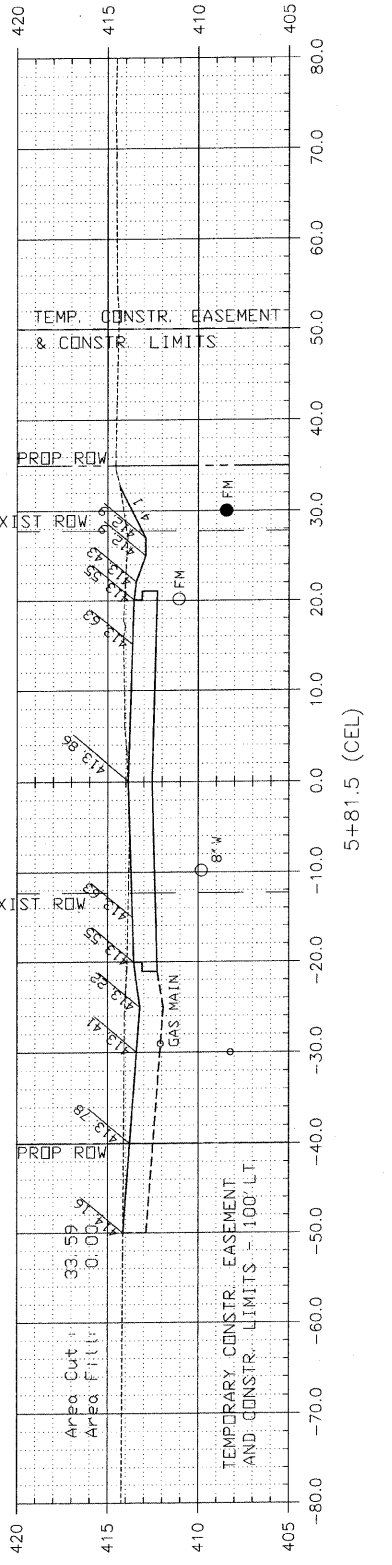
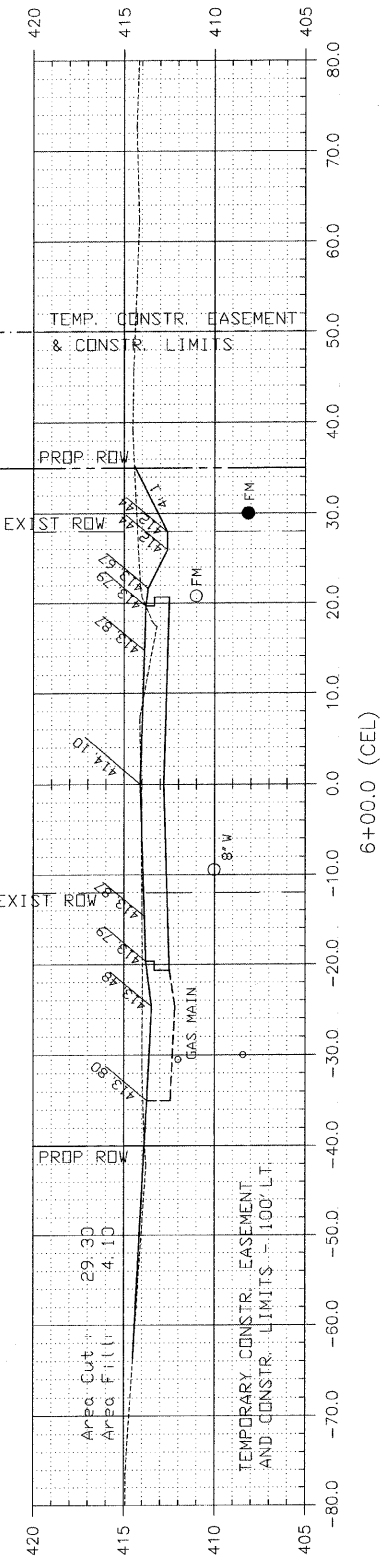
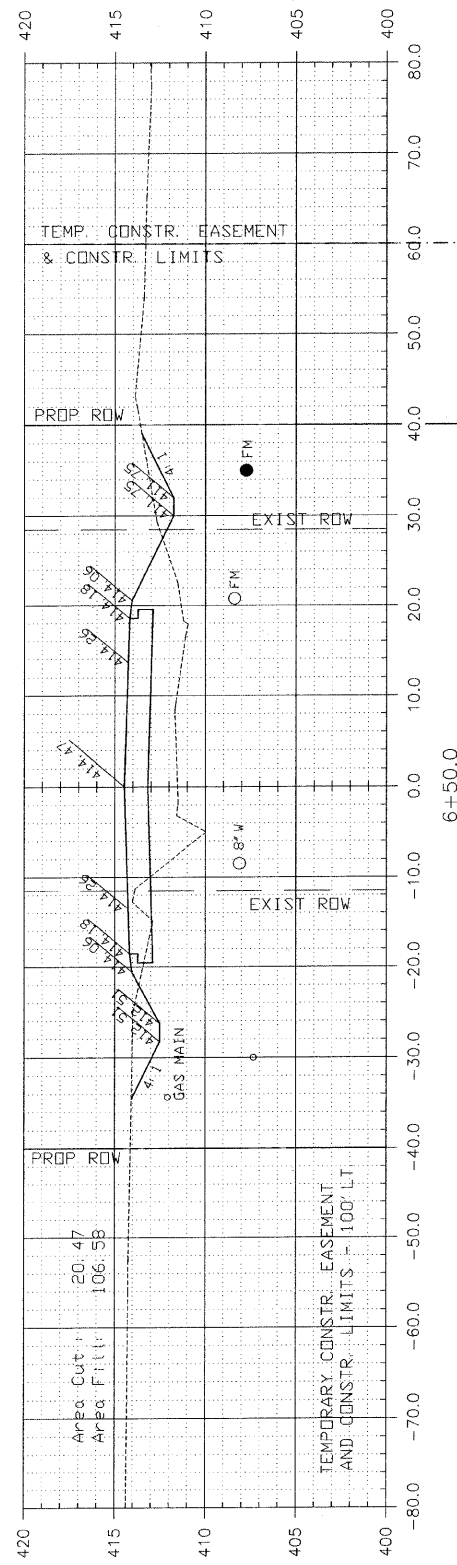
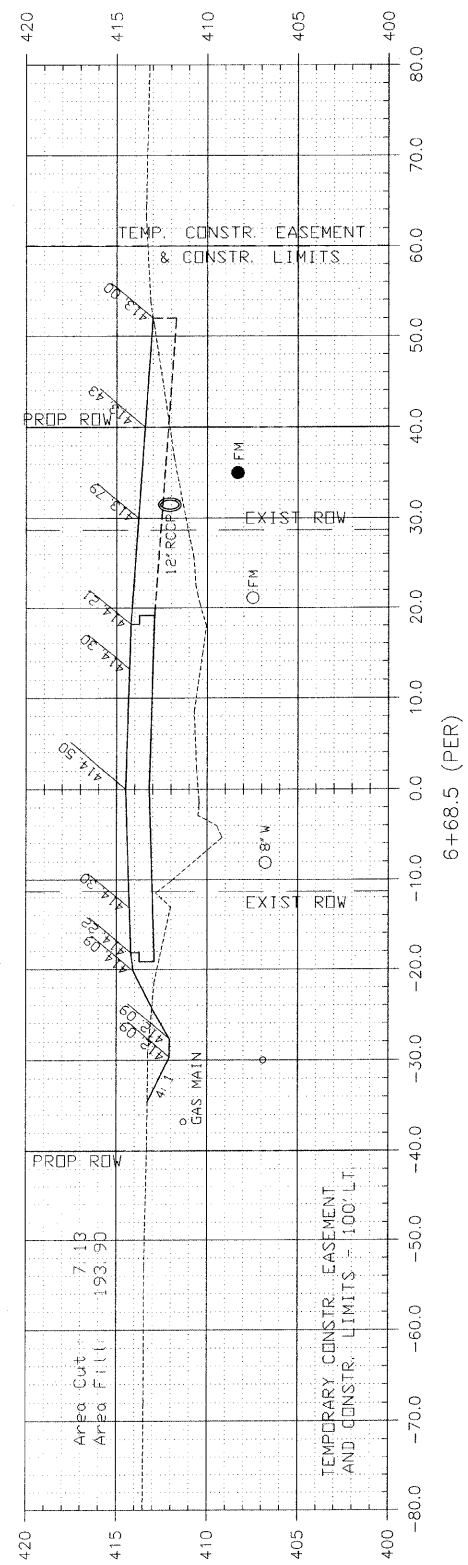


NOTE: CUT AND FILL AREA SHOWN ARE TO FINISH GRADE

CIP NO. ST0102 - REED STATION ROAD
CROSS SECTIONS
STA. 1+50 TO STA. 3+07.3

F. A. U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
9732	00-00103-00-FP	JACKSON	37	18
CITY OF CARBONDALE		PROJECT NO.	M-5008(19)	
CONTRACT NO. 99182		JOB NO.	C99-504-03	

FEDERAL AID PROJECT

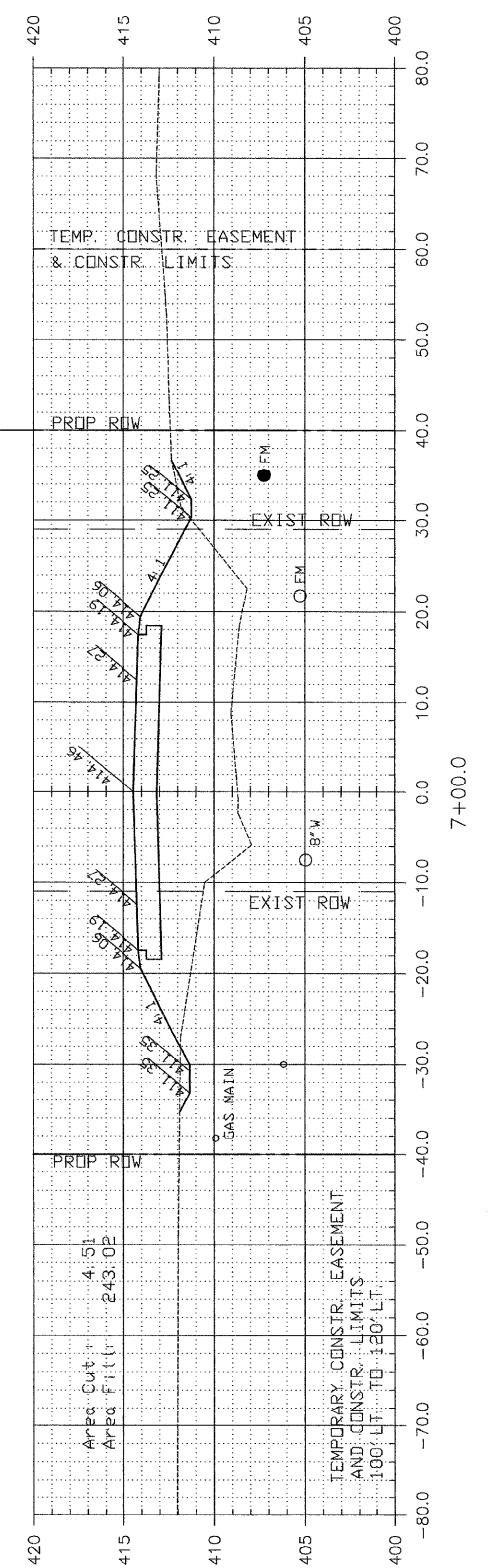
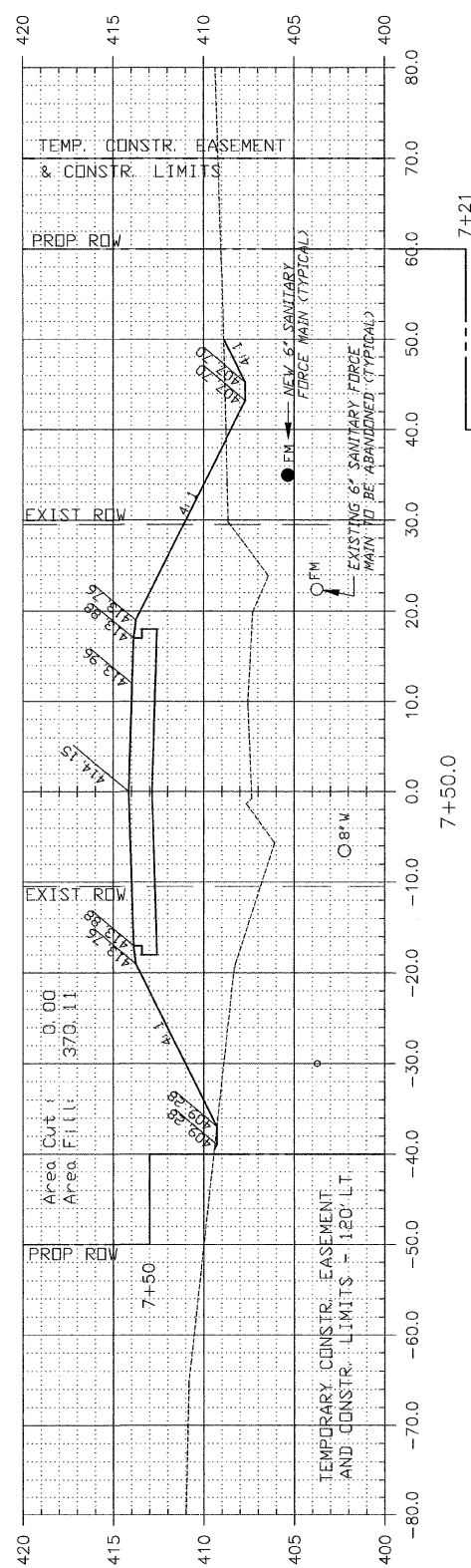
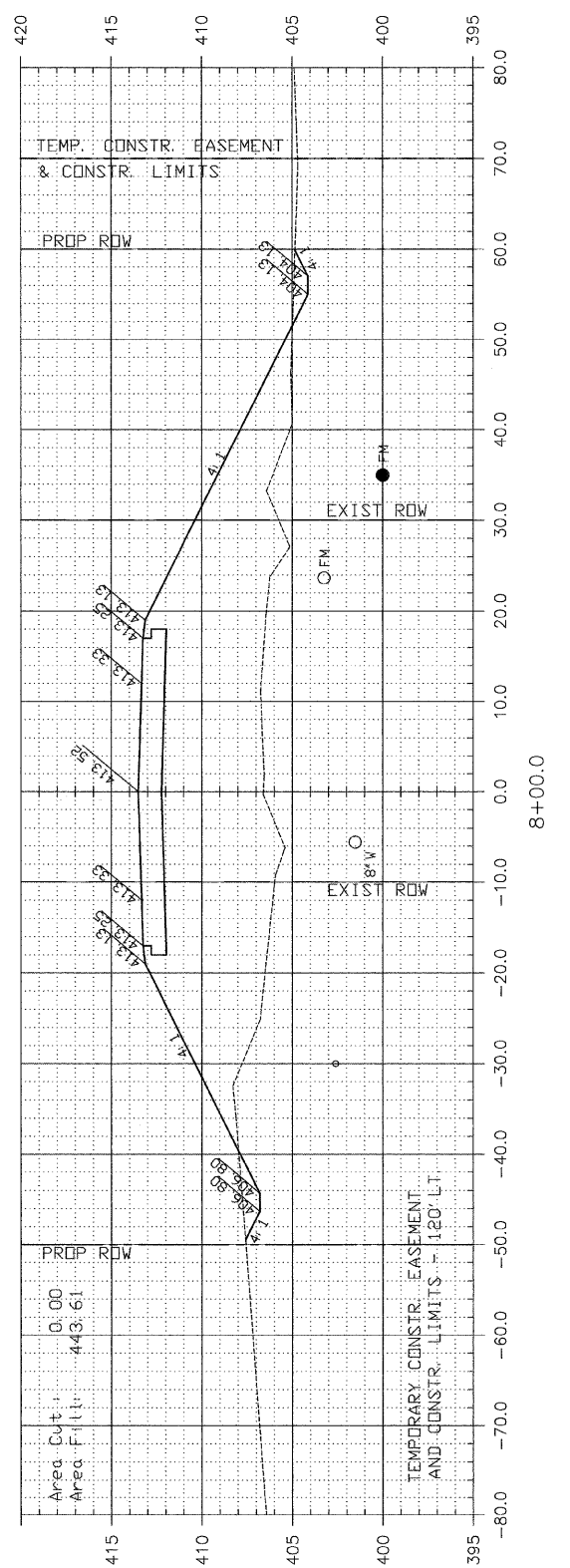
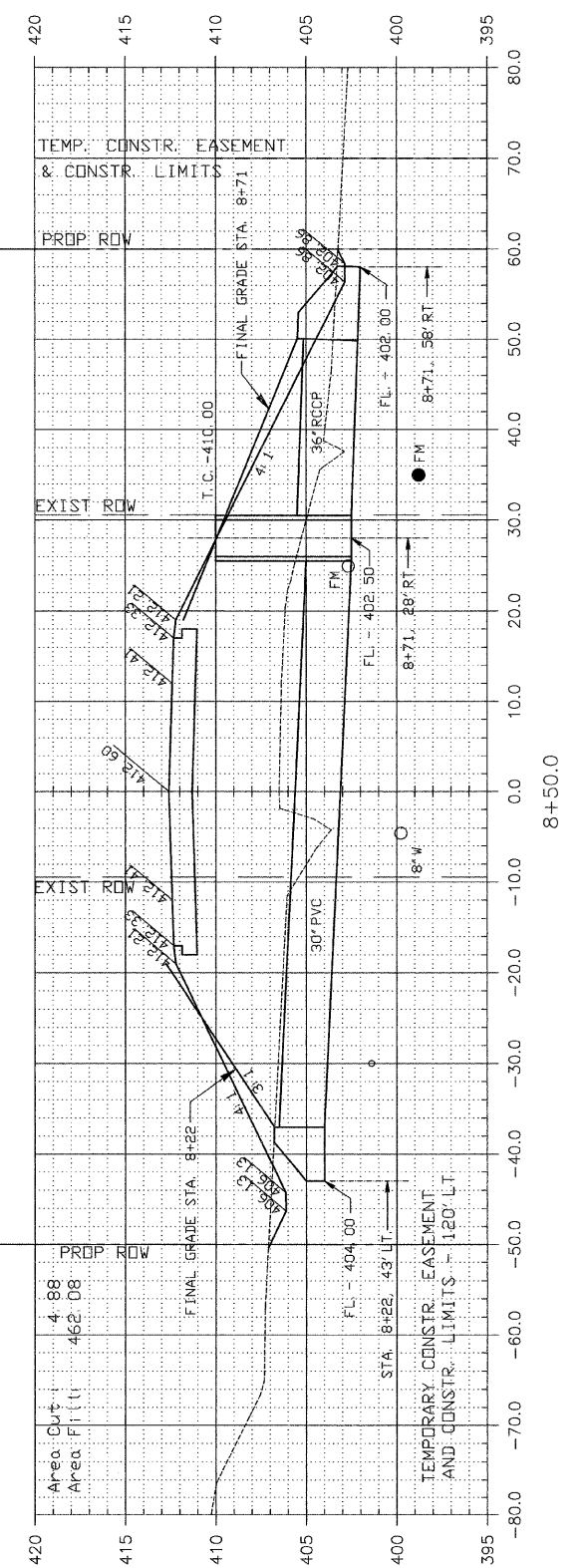
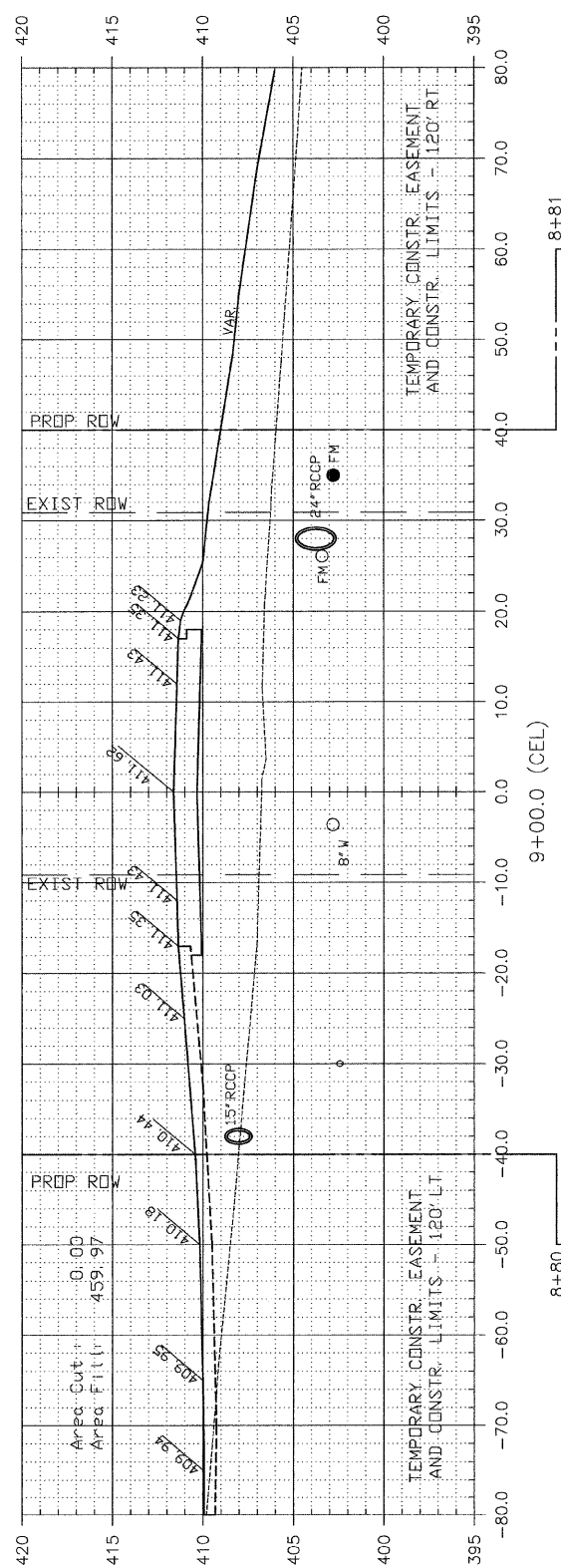


NOTE: CUT AND FILL AREA SHOWN ARE TO FINISH GRADE

CIP NO. ST0102 - REED STATION ROAD
CROSS SECTIONS
STA. 5+50 TO STA. 7+00

F. A. U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
9732	00-00103-00-FP	JACKSON	37	19
CITY OF CARBONDALE		PROJECT NO.	M-5008(19)	
CONTRACT NO. 99182		JOB NO.	C99-504-03	

FEDERAL AID PROJECT



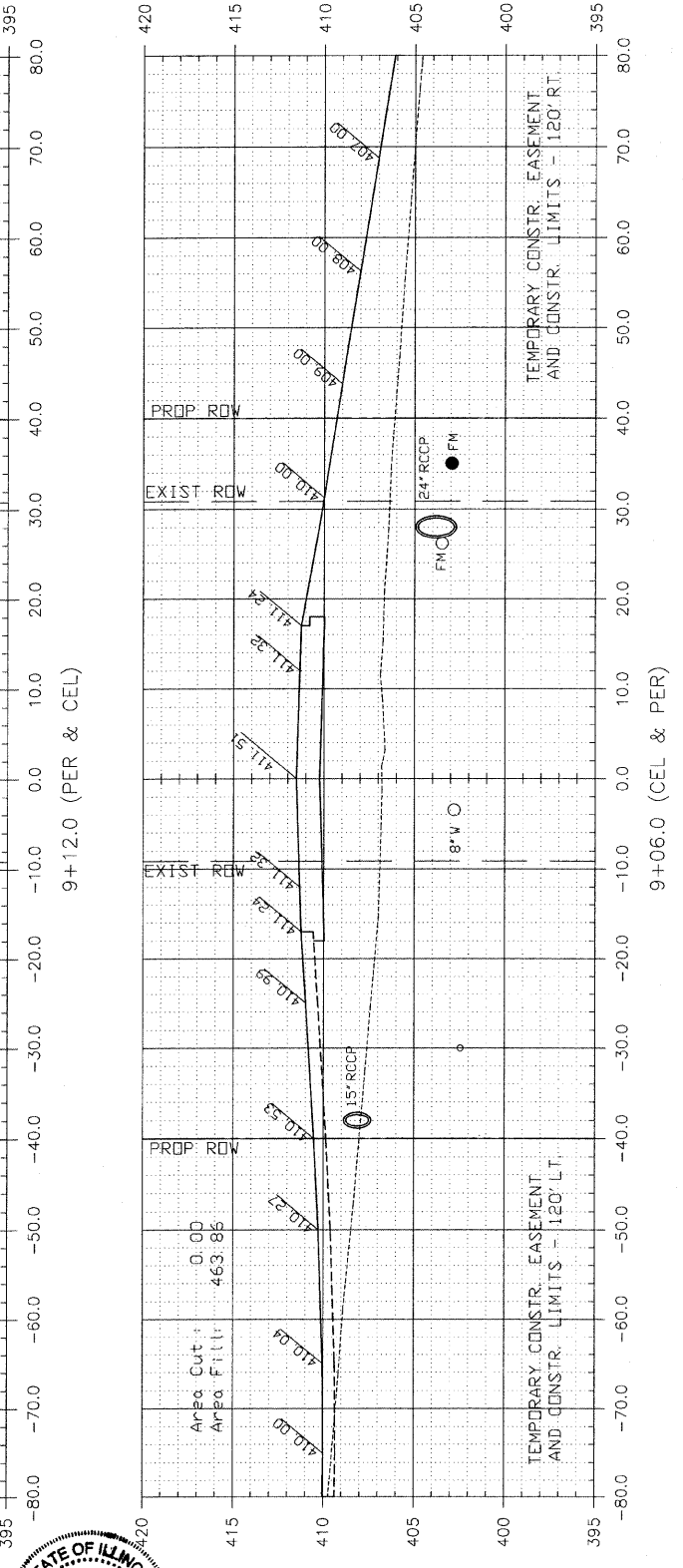
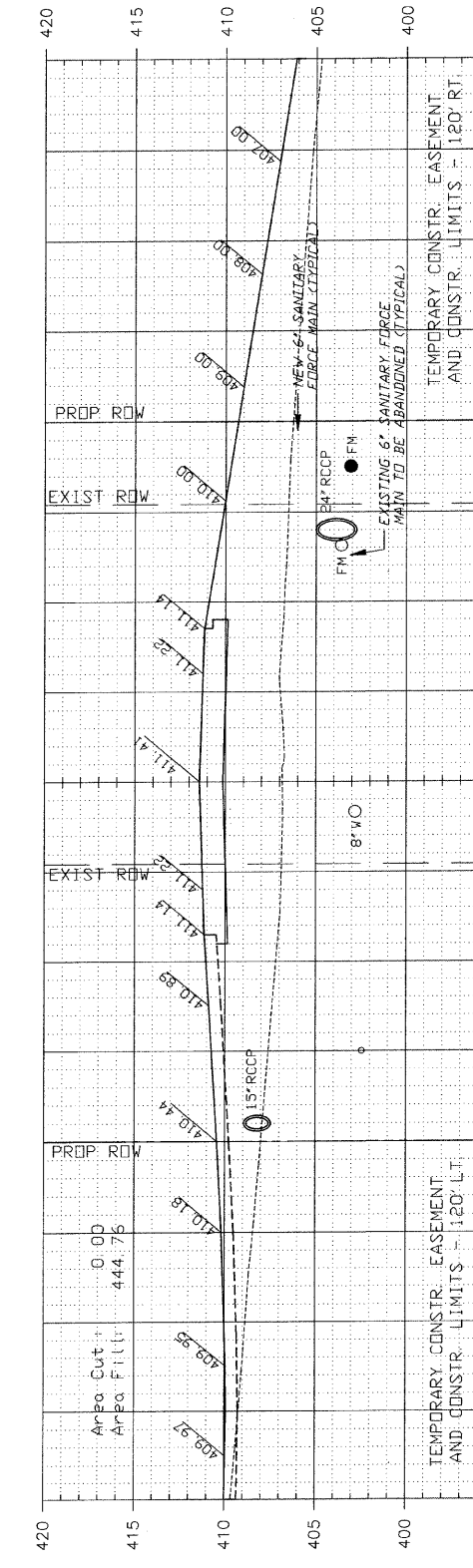
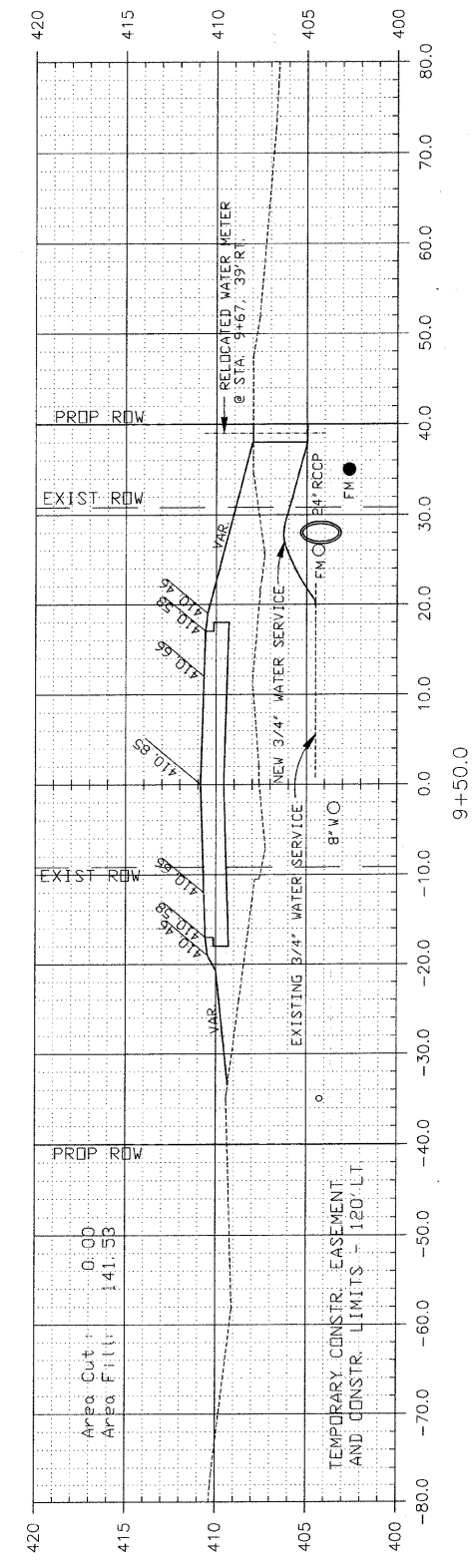
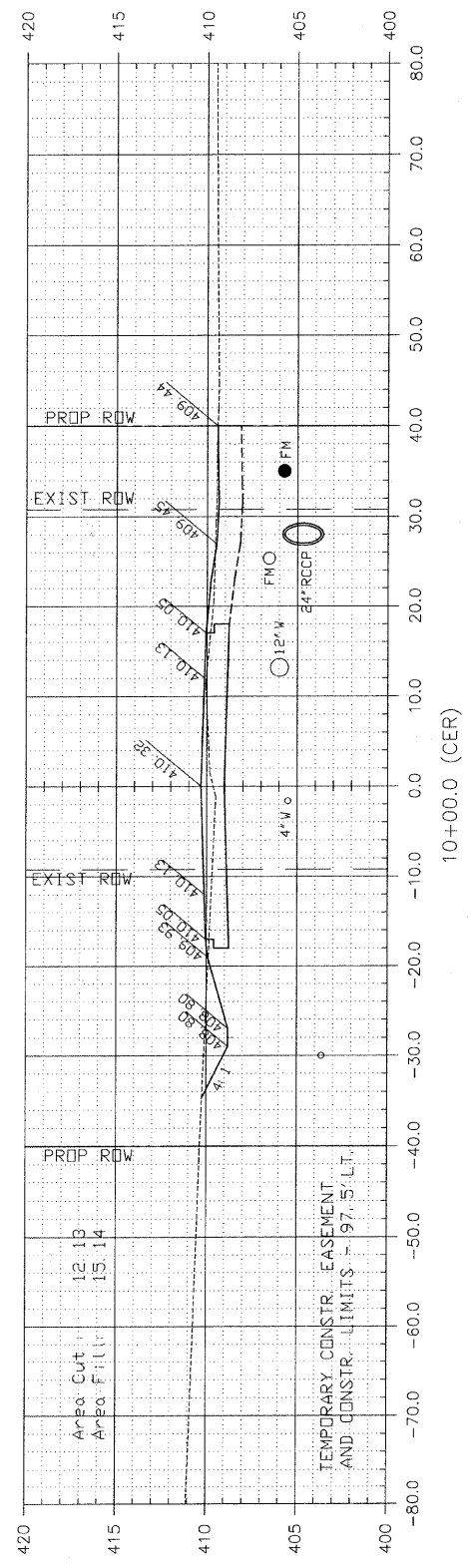
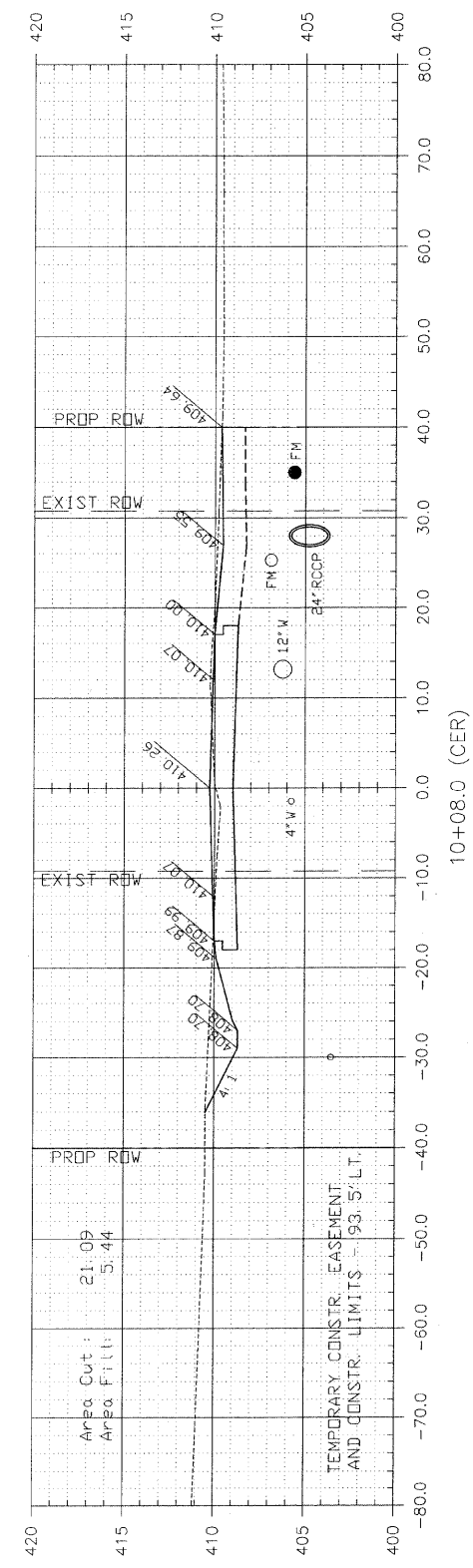
NOTE: CUT AND FILL AREA SHOWN ARE TO FINISH GRADE

CIP NO. ST0102 - REED STATION ROAD
CROSS SECTIONS
STA. 7+50 TO STA. 9+06

F. A. U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
9732	00-00103-00-FP	JACKSON	37	20
CITY OF CARBONDALE		PROJECT NO. M-5008(19)		
CONTRACT NO. 99182		JOB NO. C99-504-03		

ELEV. 404.34 @ 102' RT.
SEE SHEET 5

FEDERAL AID PROJECT

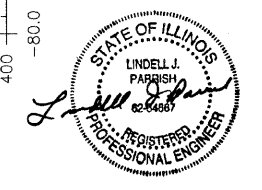
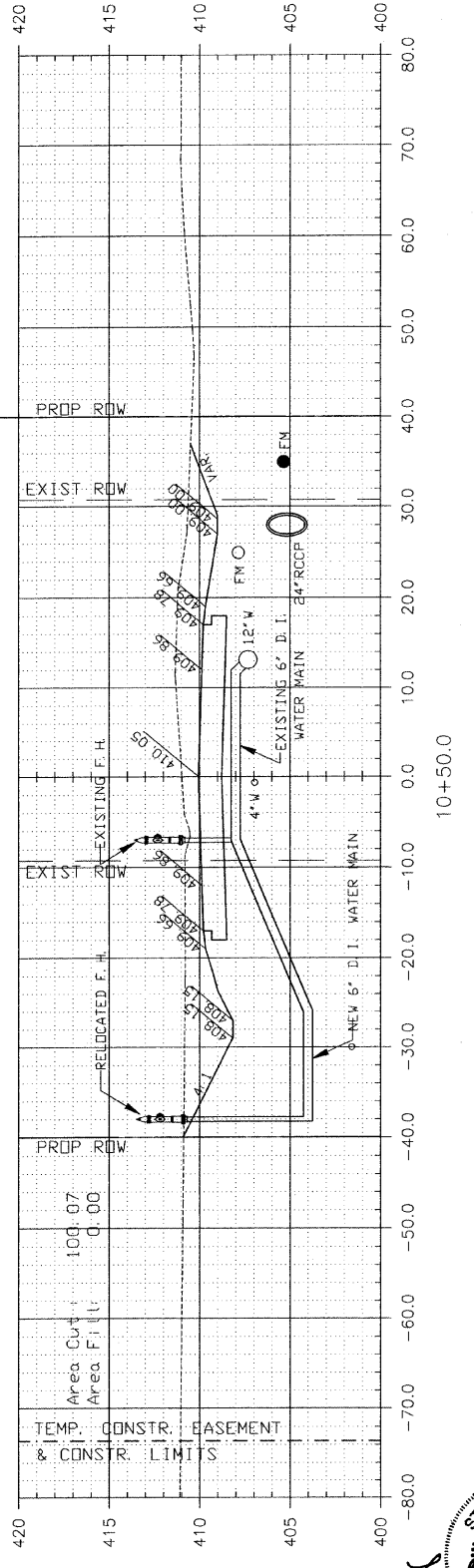
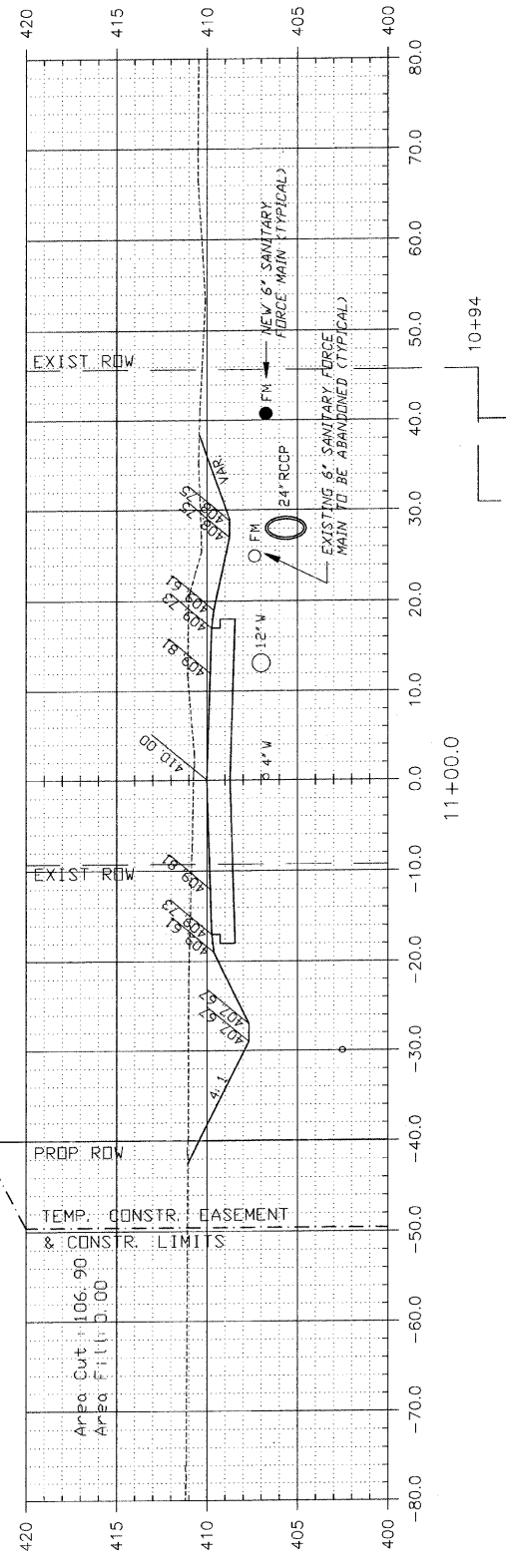
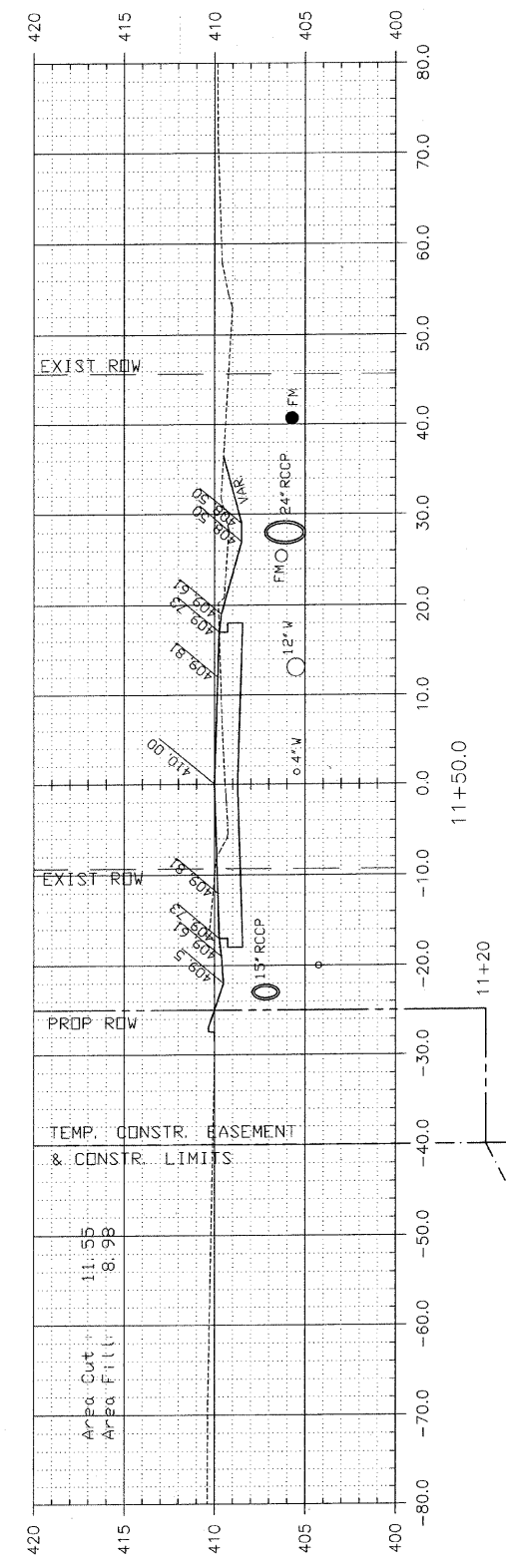
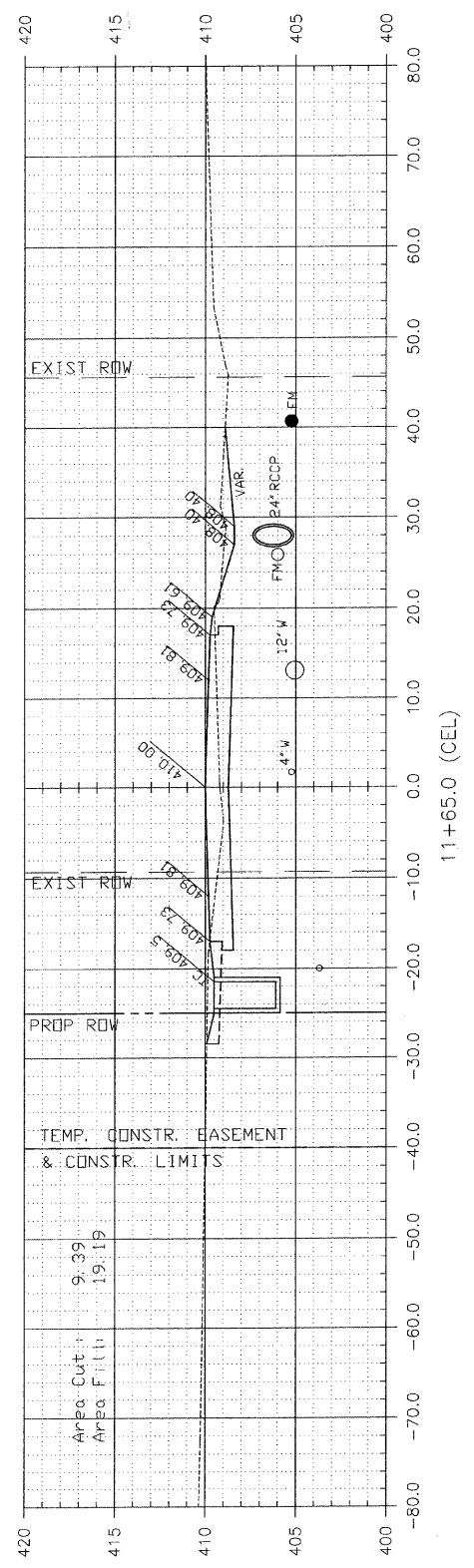
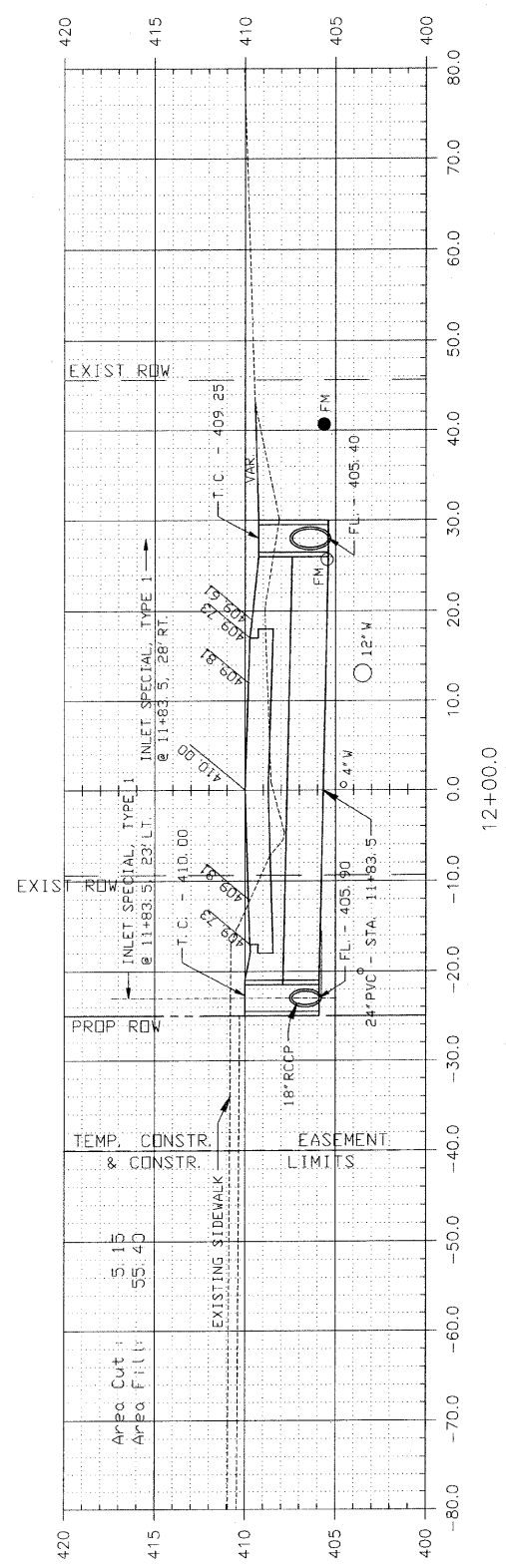


NOTE: CUT AND FILL AREA SHOWN ARE TO FINISH GRADE

CIP NO. ST0102 - REED STATION ROAD
CROSS SECTIONS
STA. 9+12 TO STA. 10+50

F. A. U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
9732	00-00103-00-FP	JACKSON	37	21
CITY OF CARBONDALE		PROJECT NO. M-5008(19)		
CONTRACT NO. 99182		JOB NO. C99-504-03		

FEDERAL AID PROJECT

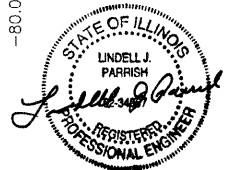
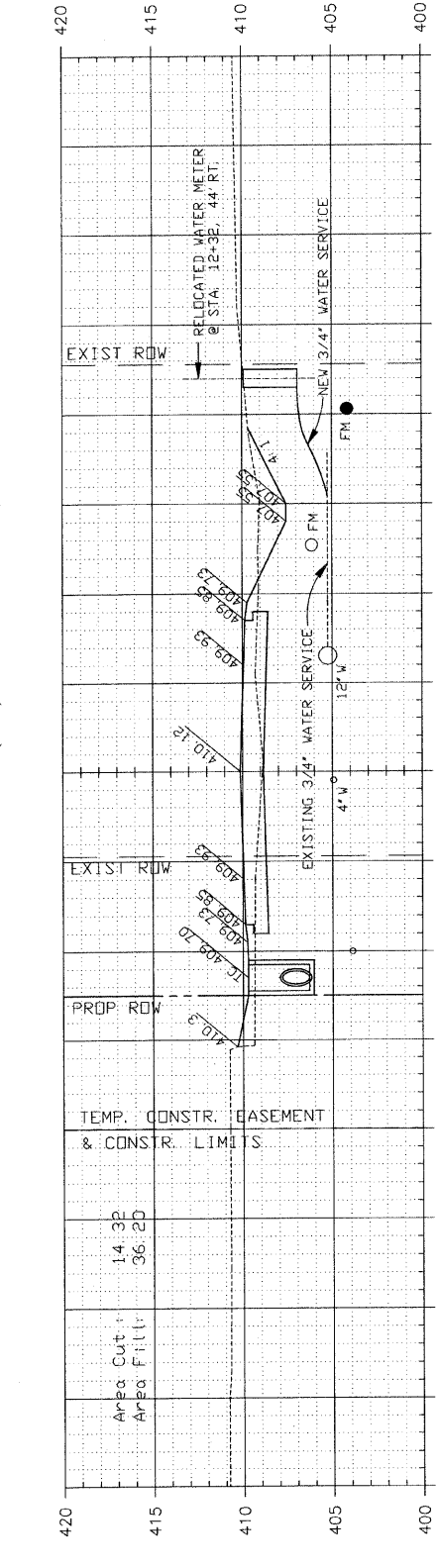
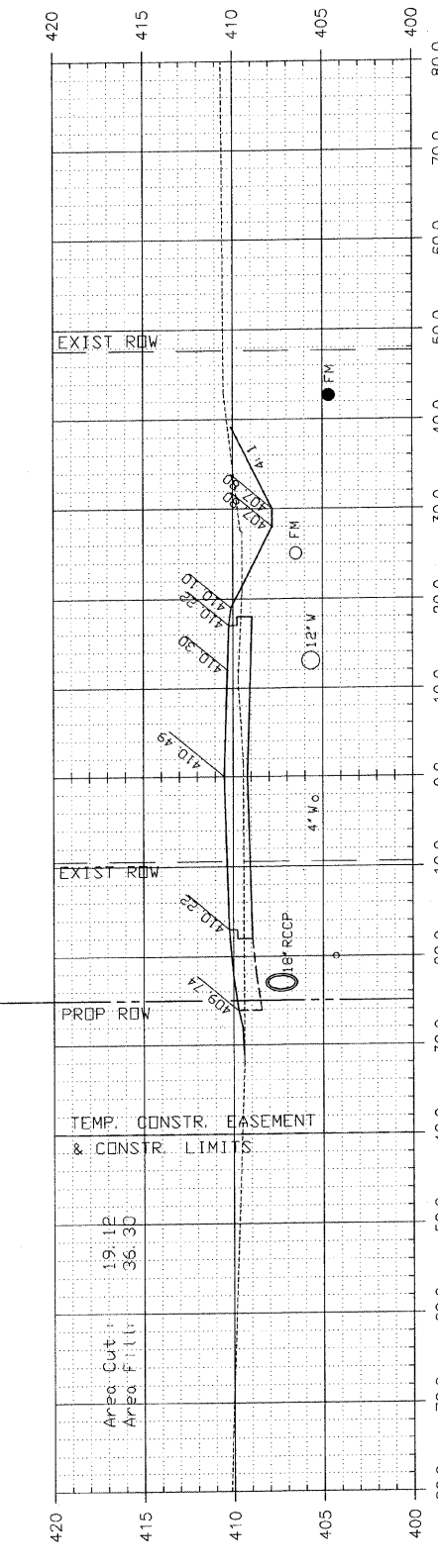
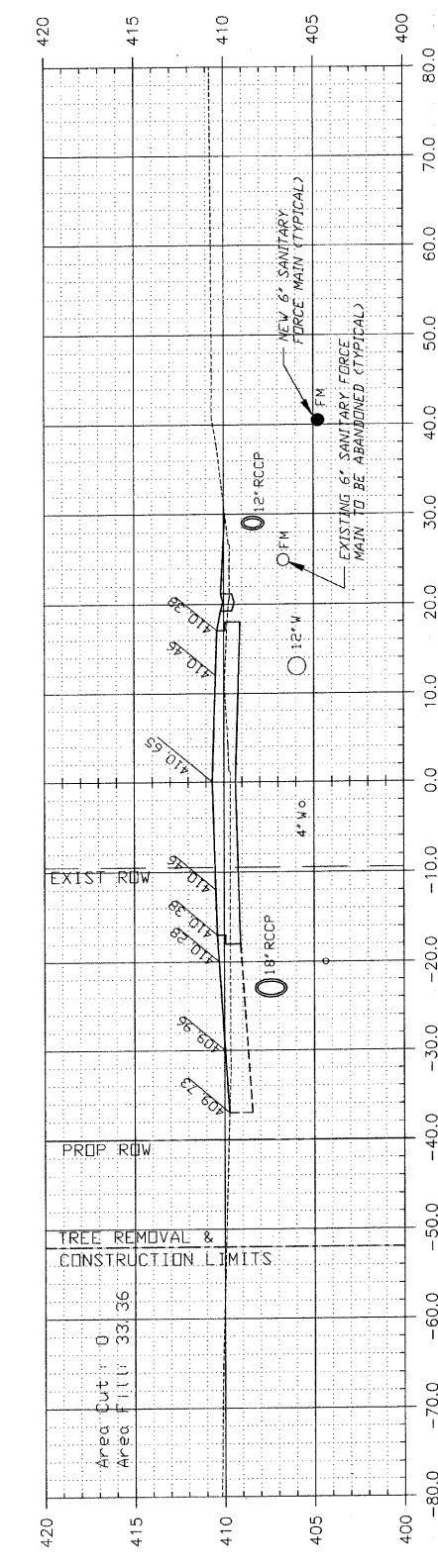
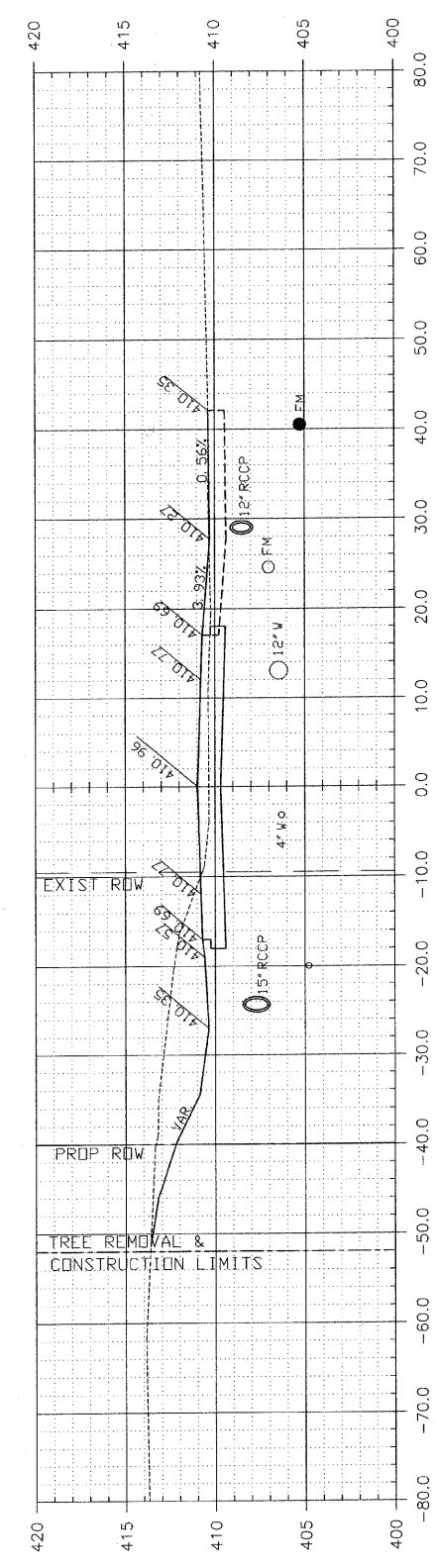
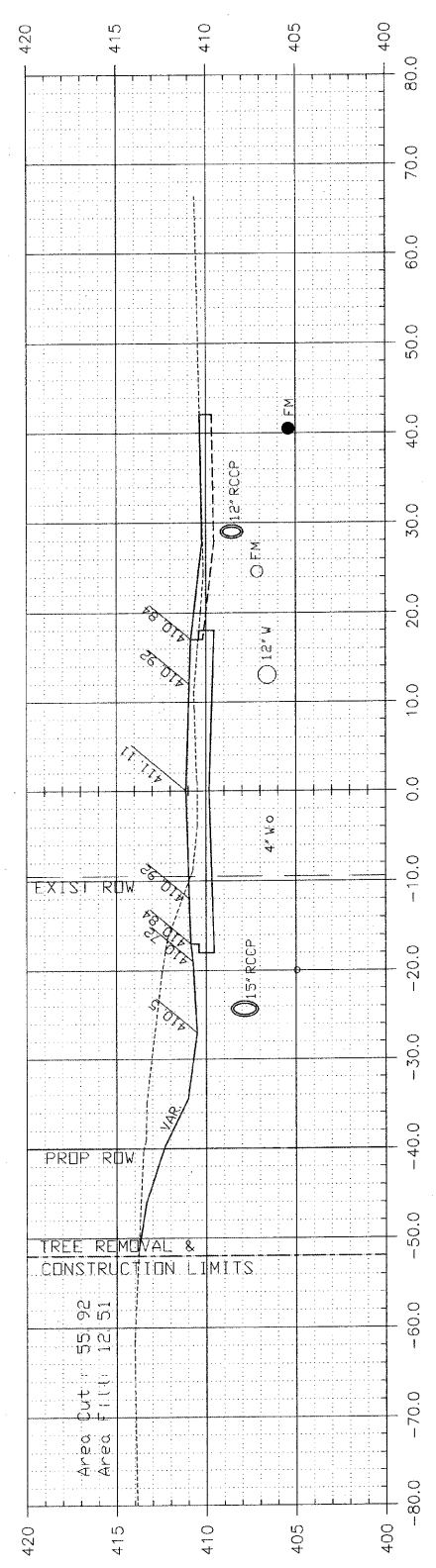


NOTE: CUT AND FILL AREA SHOWN ARE TO FINISH GRADE

CIP NO. ST0102 - REED STATION ROAD
CROSS SECTIONS
STA. 10+00 TO STA. 13+00

F. A. U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
9732	00-00103-00-FP	JACKSON	37	22
CITY OF CARBONDALE		PROJECT NO. M-5008(19)		
CONTRACT NO. 99182		JOB NO. C99-504-03		

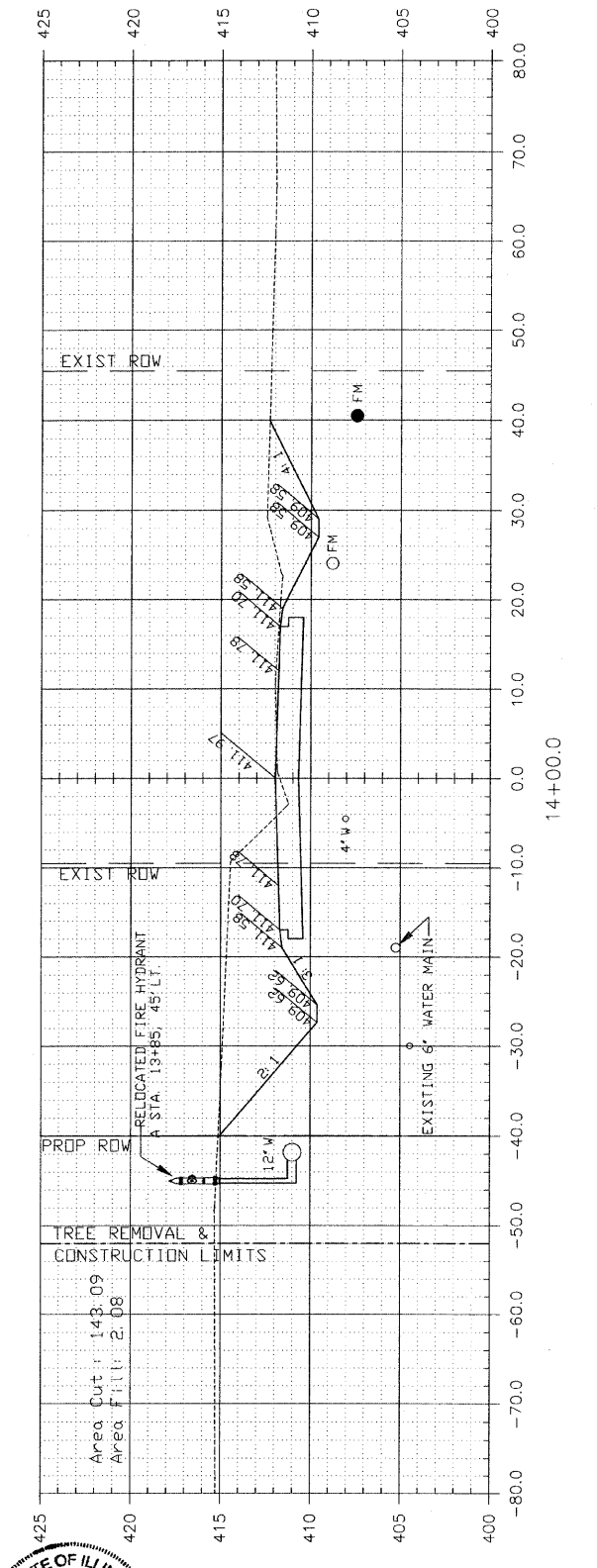
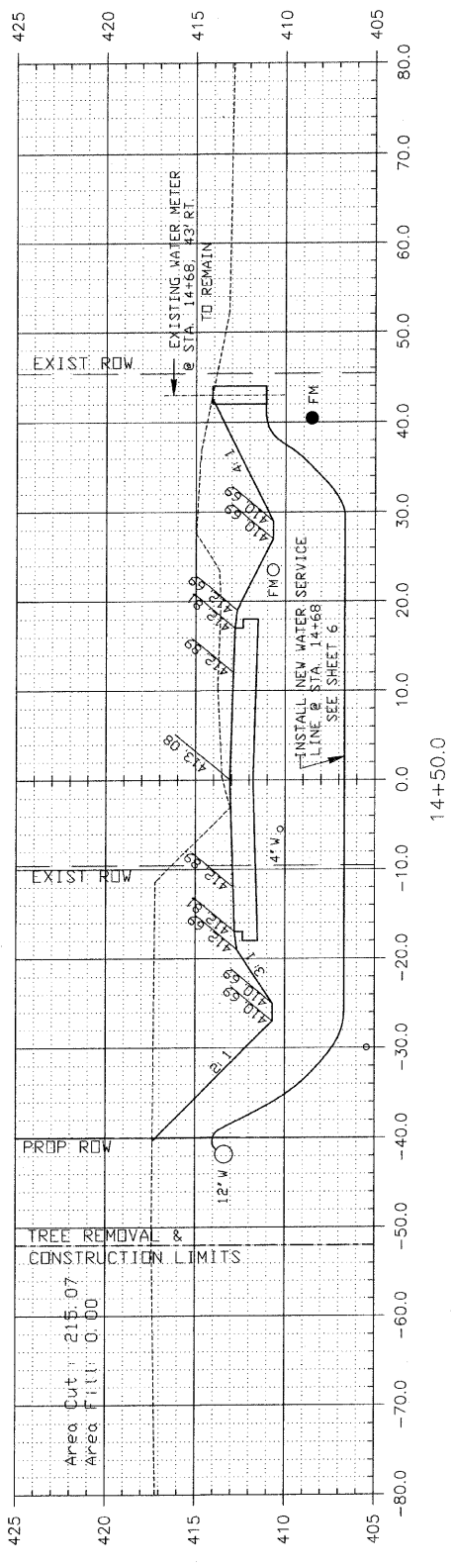
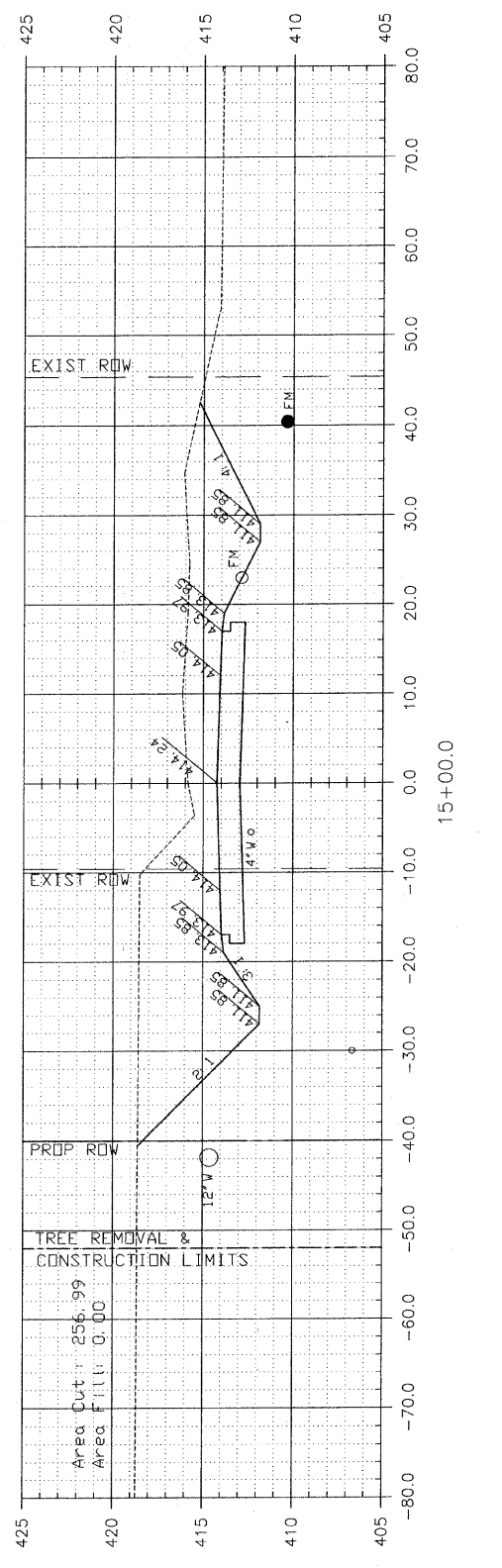
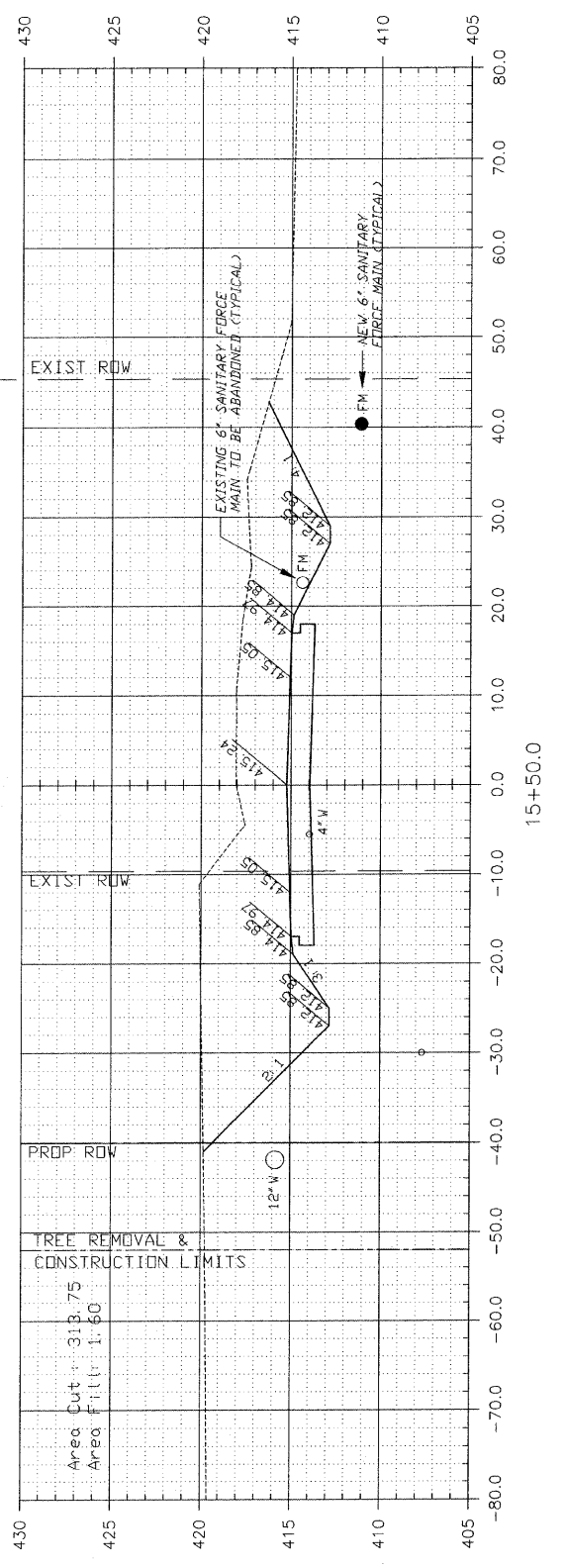
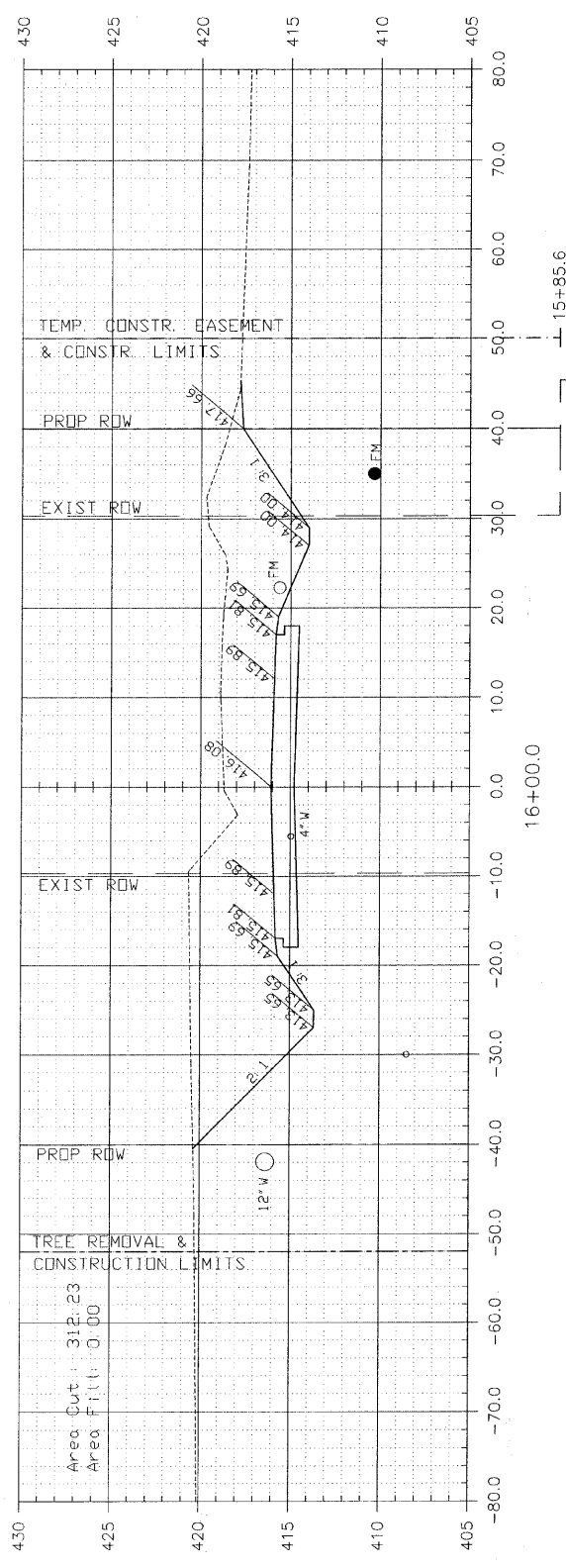
FEDERAL AID PROJECT



NOTE: CUT AND FILL AREA SHOWN ARE TO FINISH GRADE

CIP NO. ST0102 - REED STATION ROAD
CROSS SECTIONS
STA. 13+14.5 TO STA. 15+00

F. A. U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
9732	00-00103-00-FP	JACKSON	37	23
CITY OF CARBONDALE		PROJECT NO.	M-5008(19)	
CONTRACT NO. 99182		JOB NO.	C99-504-03	
FEDERAL AID PROJECT				

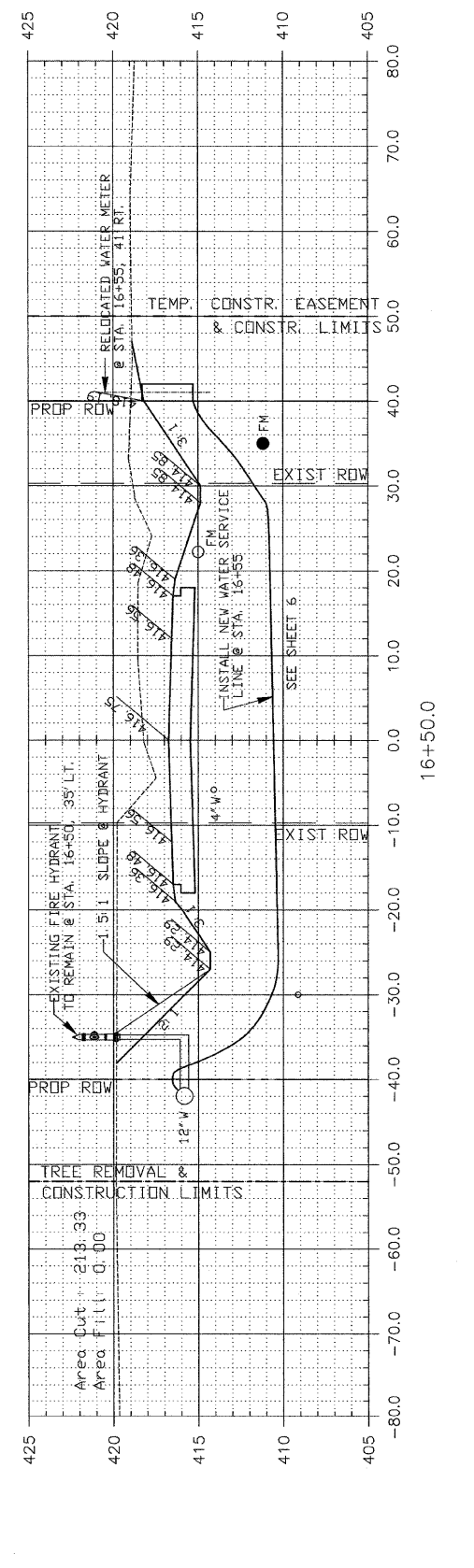
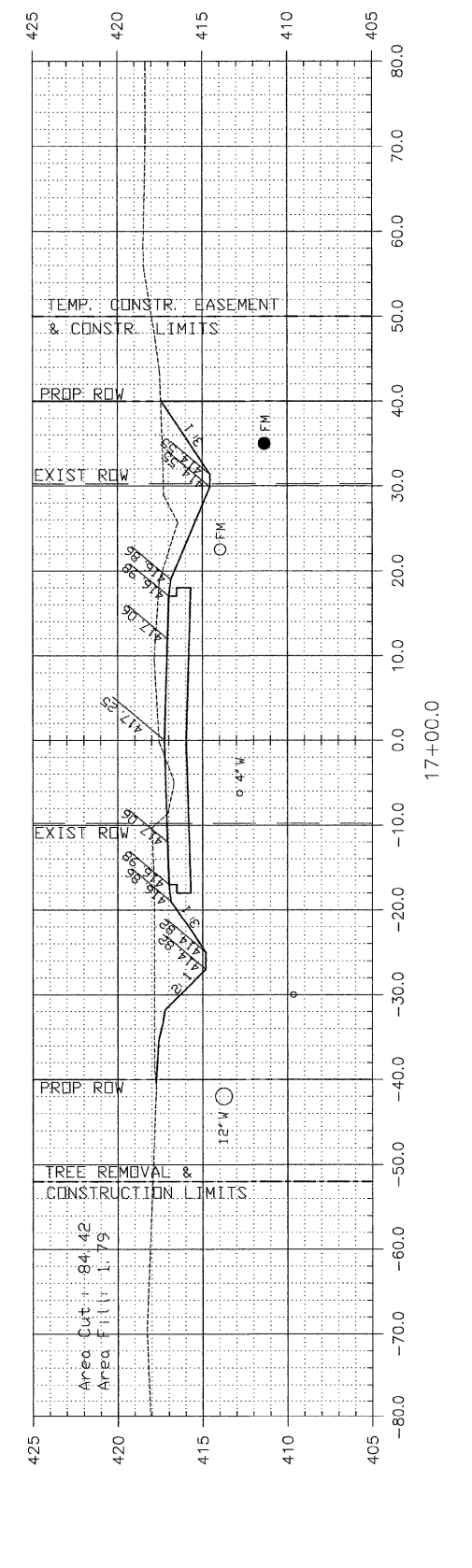
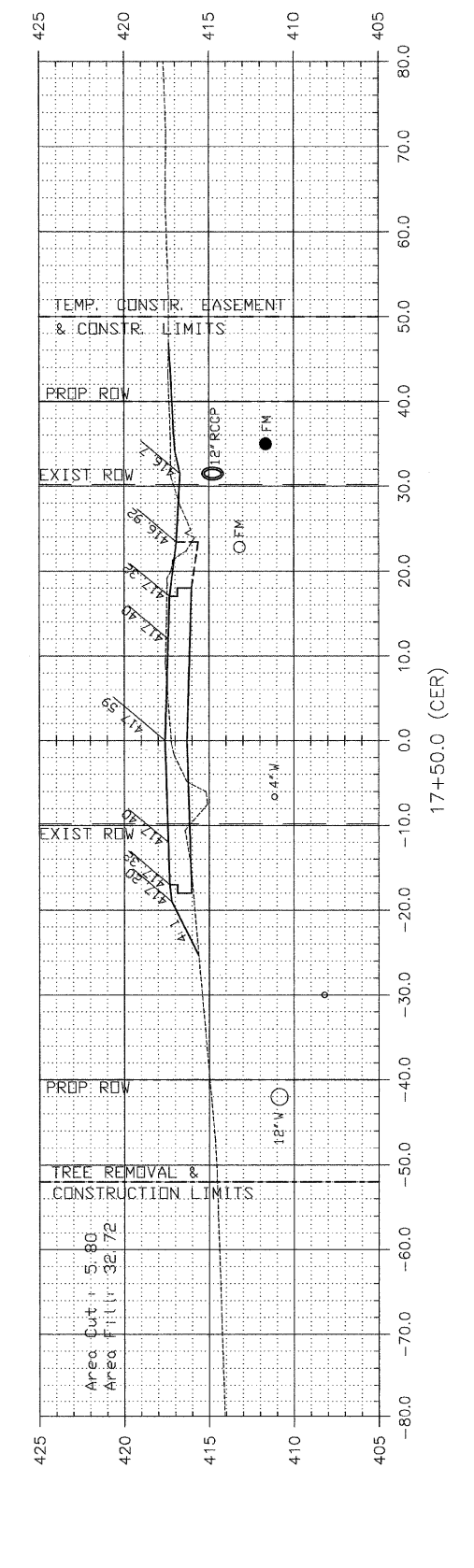
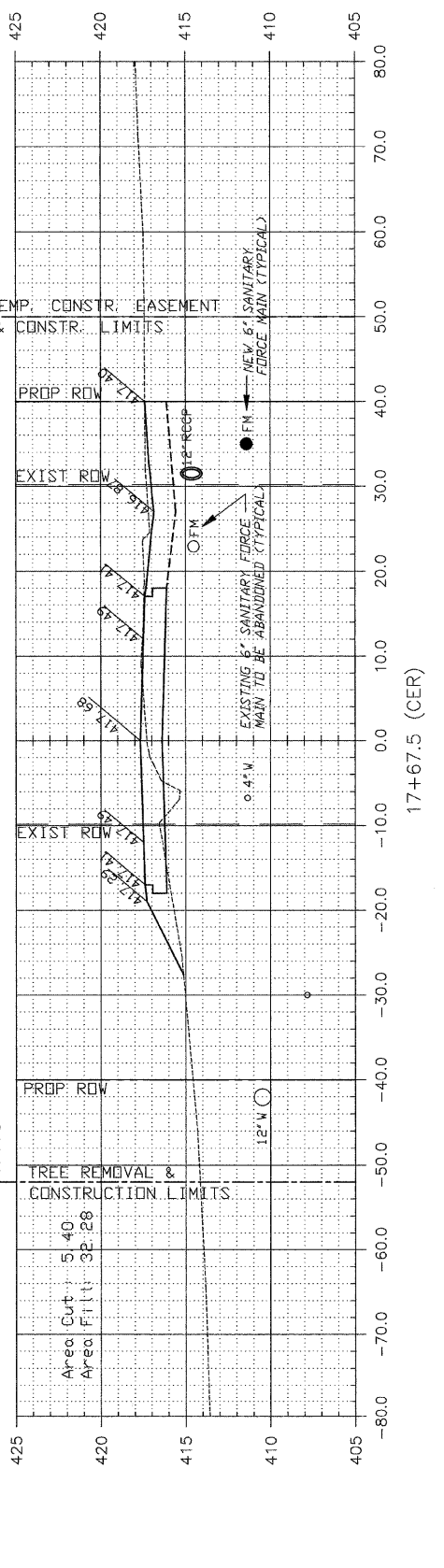
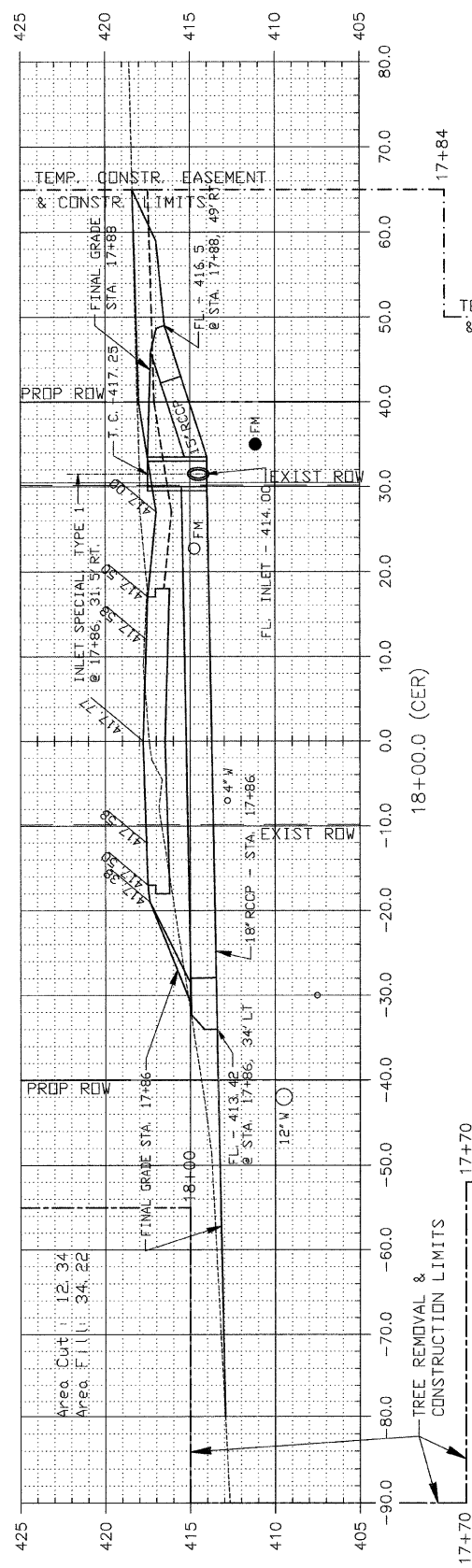


NOTE: CUT AND FILL AREA SHOWN ARE TO FINISH GRADE

CIP NO. ST0102 - REED STATION ROAD
CROSS SECTIONS
STA. 15+50 TO STA. 17+50

F. A. U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
9732	00-00103-00-FP	JACKSON	37	24
CITY OF CARBONDALE		PROJECT NO.	M-5008(19)	
CONTRACT NO. 99182		JOB NO.	C99-504-03	

FEDERAL AID PROJECT

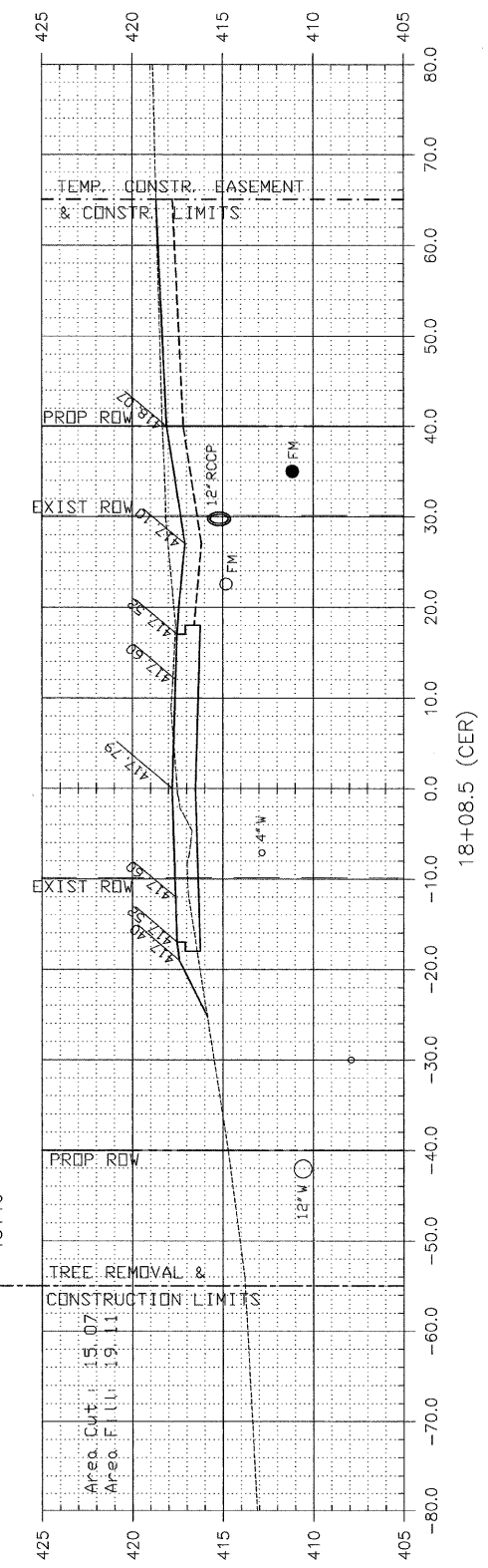
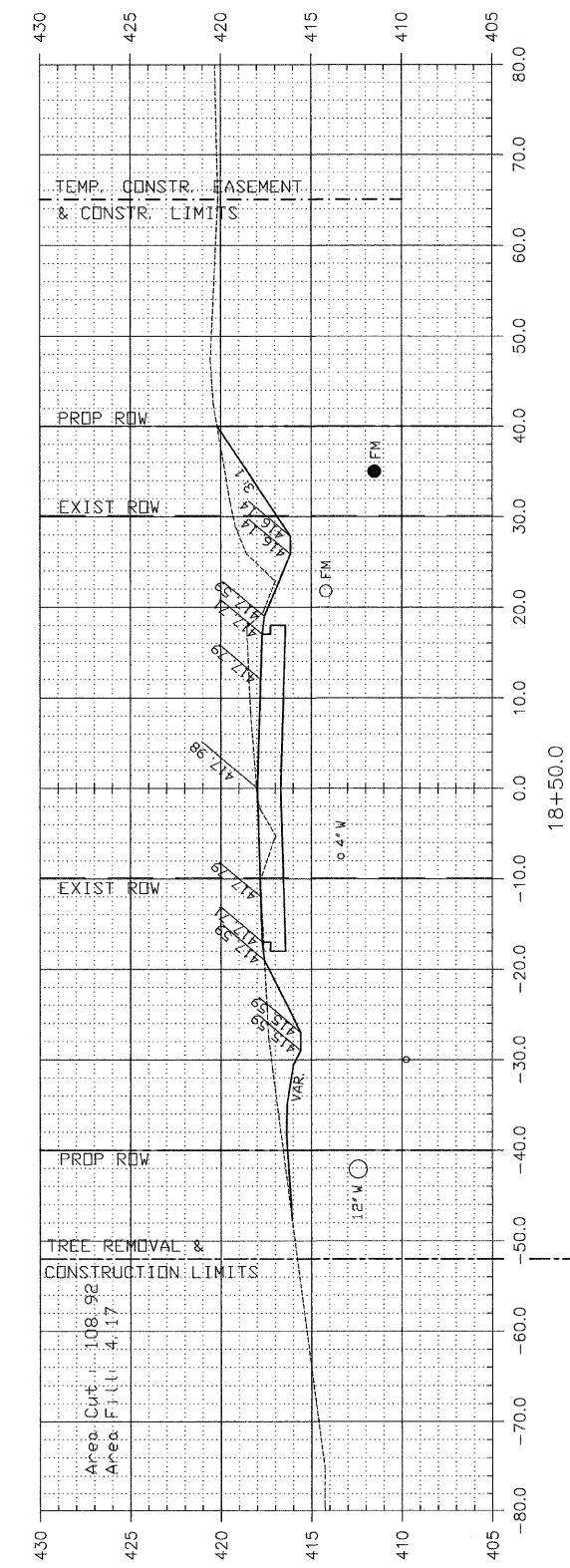
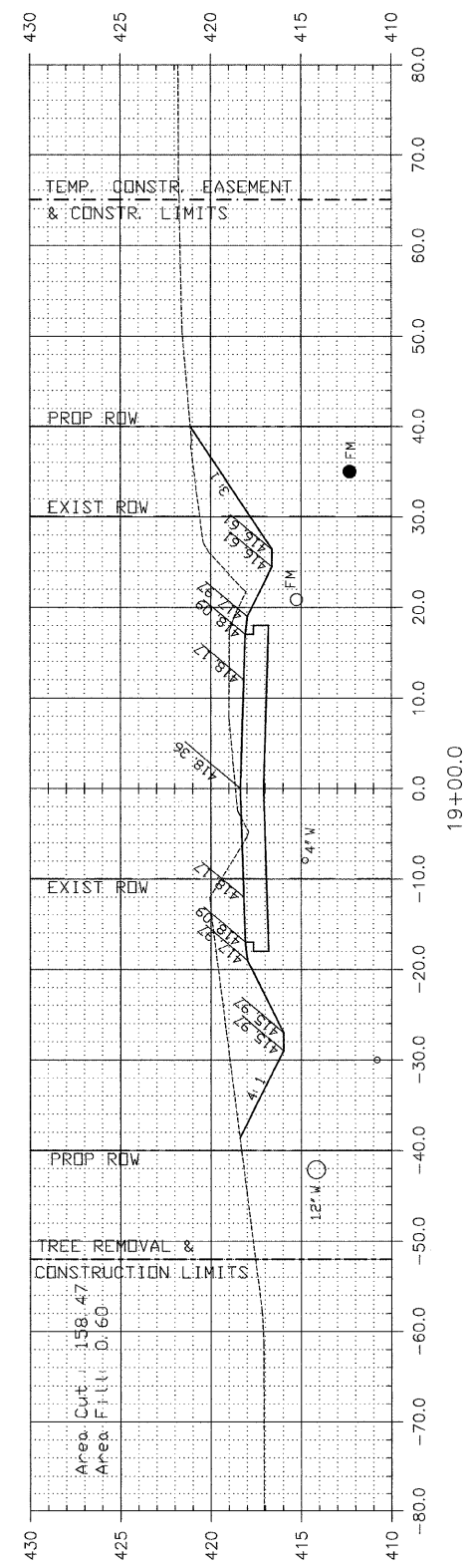
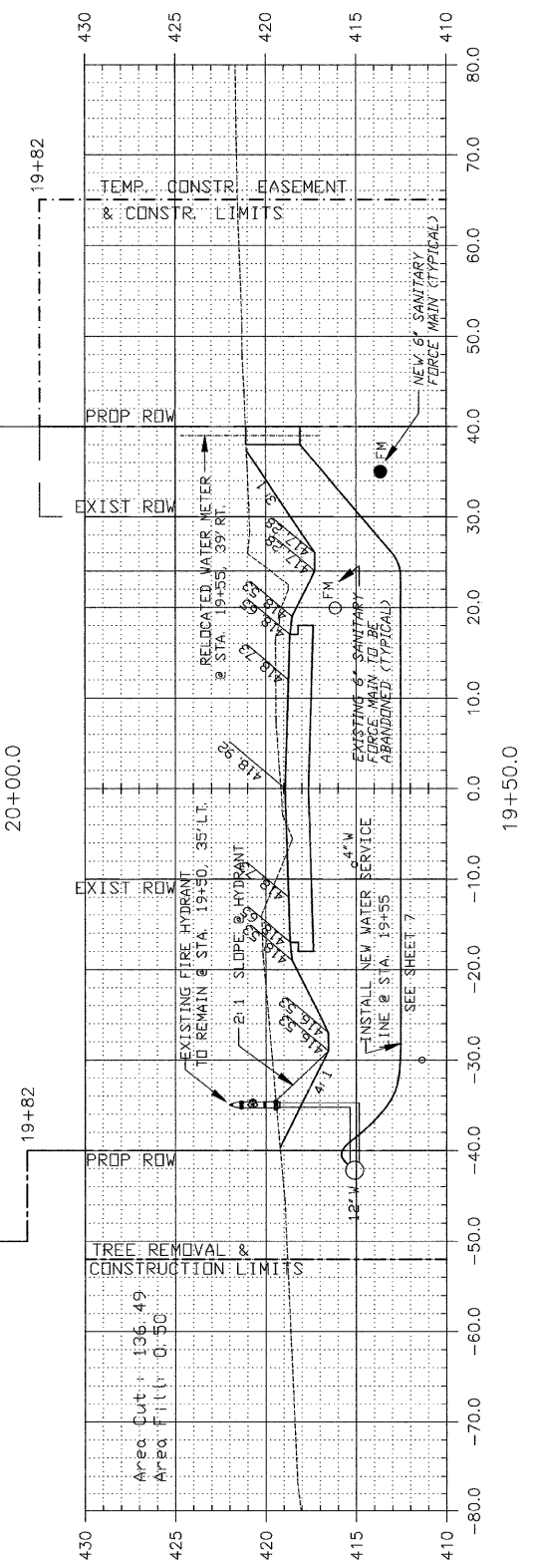
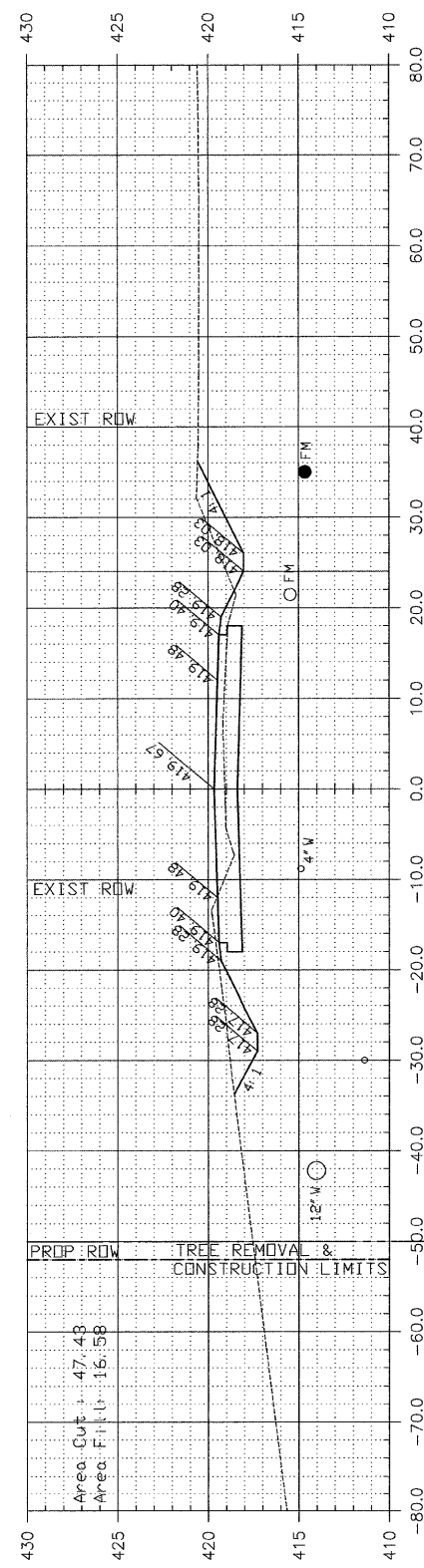


CIP NO. ST0102 - REED STATION ROAD	
CROSS SECTIONS	
STA. 17+67.5 TO STA. 19+00	

NOTE: CUT AND FILL AREA SHOWN ARE TO FINISH GRADE

F. A. U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
9732	00-00103-00-FP	JACKSON	37	25
CITY OF CARBONDALE		PROJECT NO. M-5008(19)		
CONTRACT NO. 99182		JOB NO. C99-504-03		

FEDERAL AID PROJECT

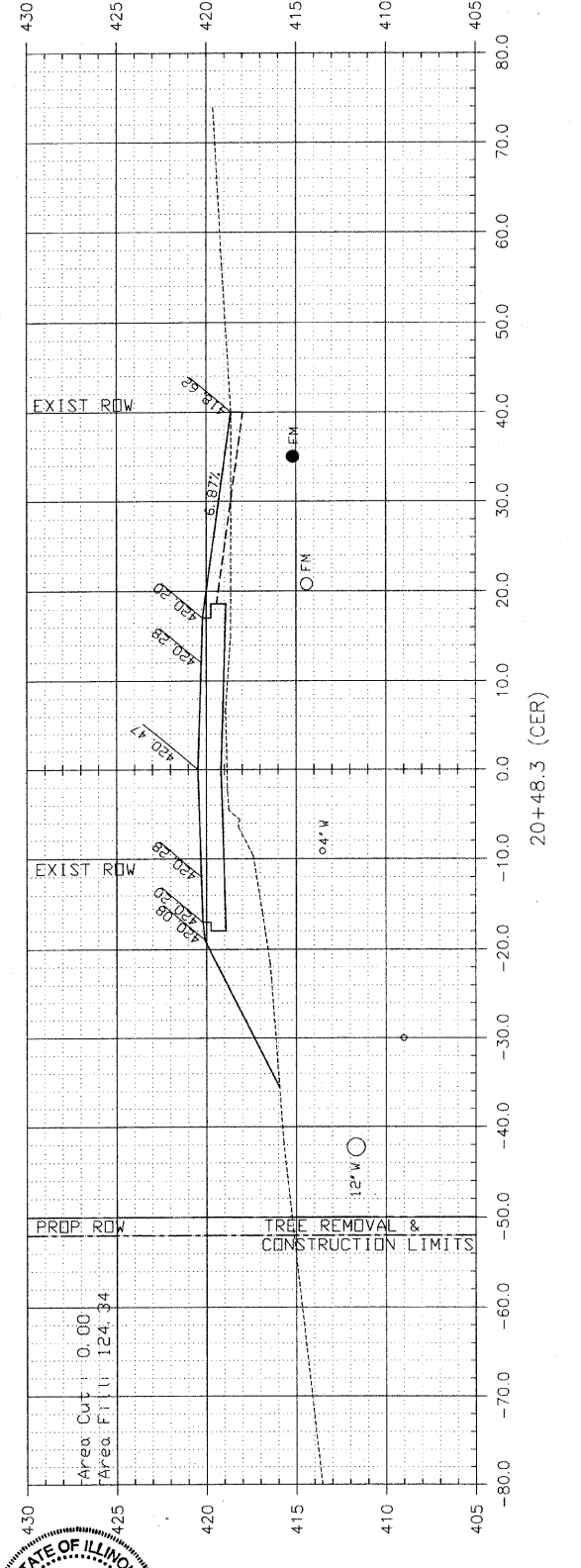
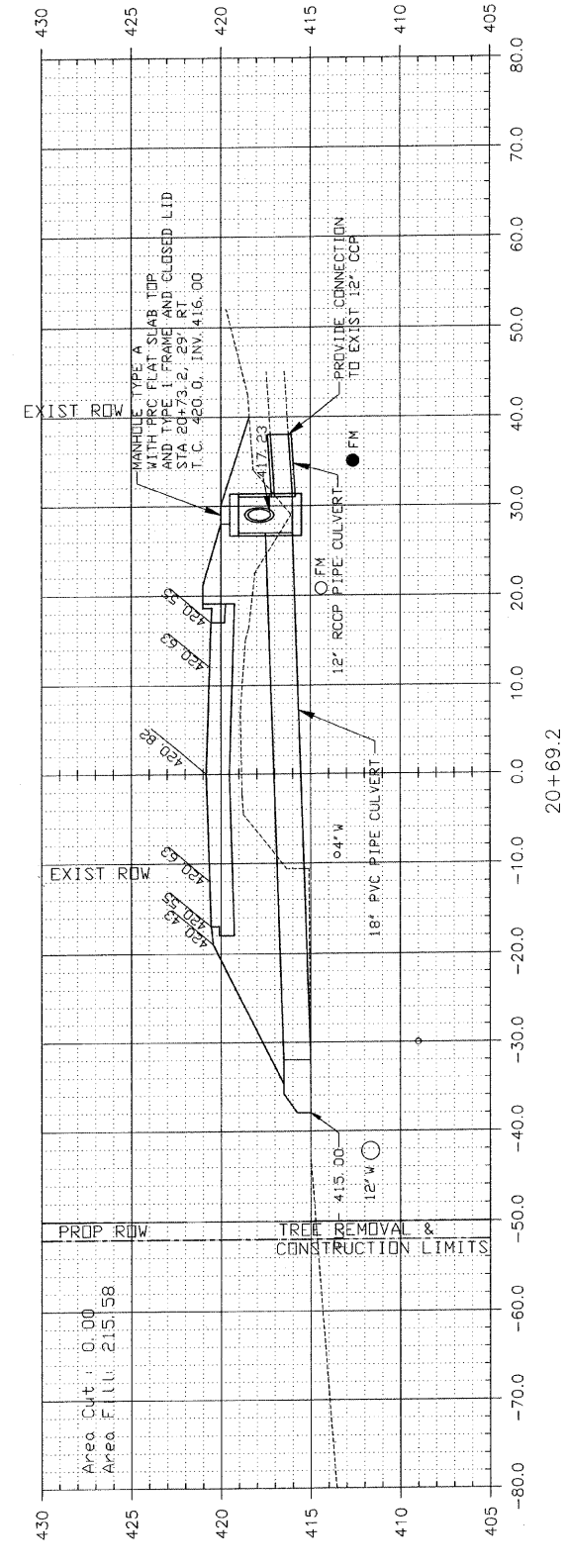
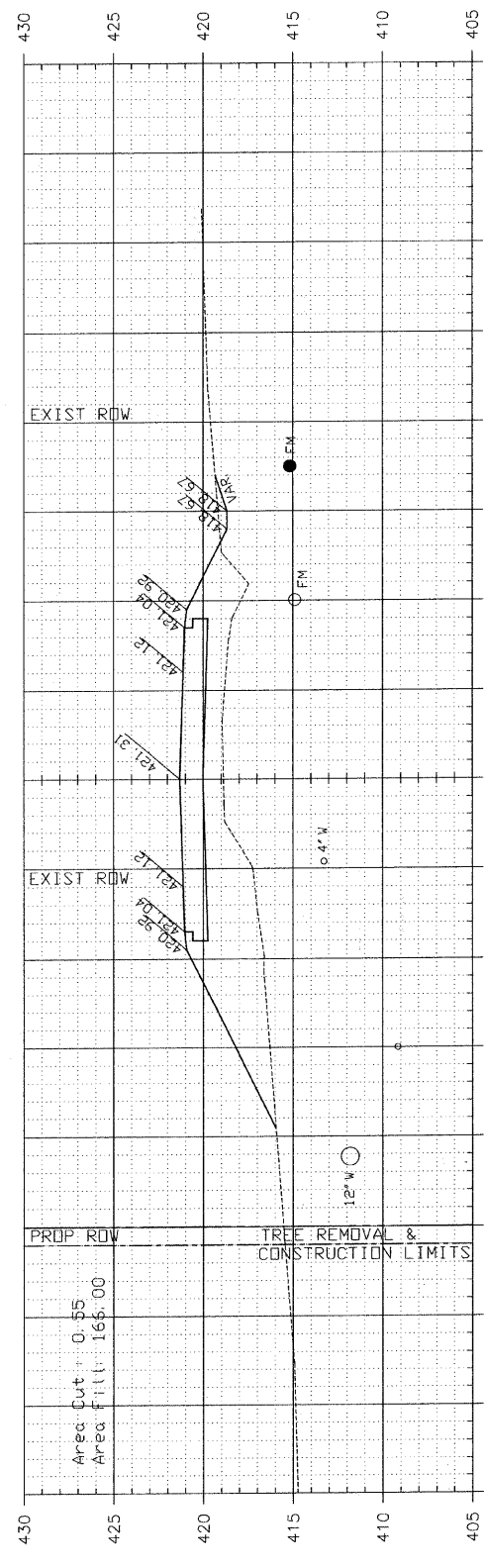
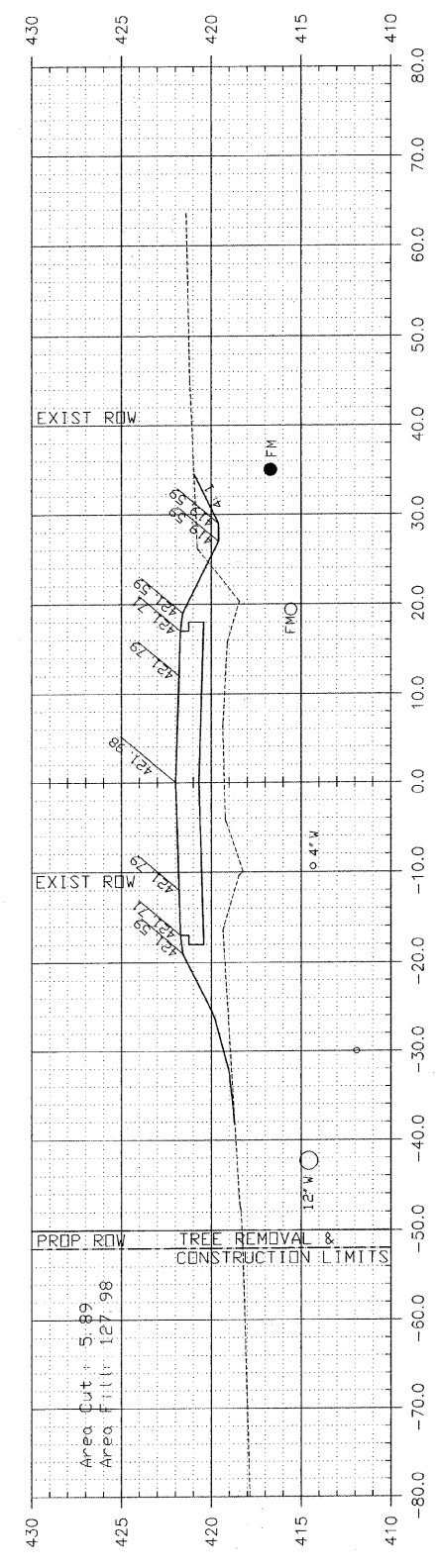
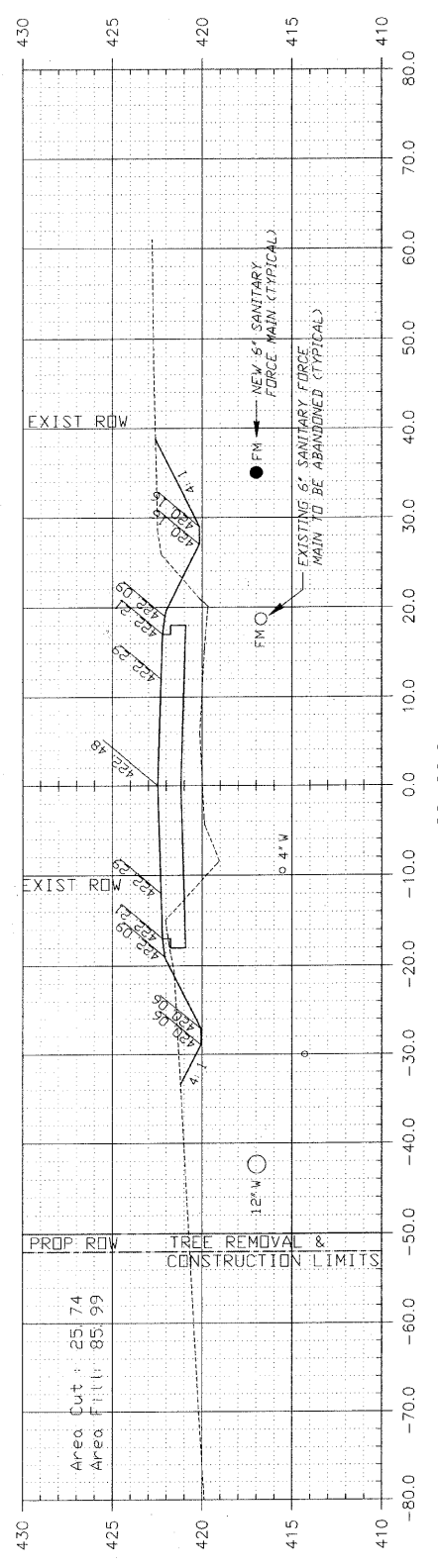


NOTE: CUT AND FILL AREA SHOWN ARE TO FINISH GRADE

CIP NO. ST0102 - REED STATION ROAD
CROSS SECTIONS
STA. 19+50 TO STA. 21+50

F. A. U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
9732	00-00103-00-FP	JACKSON	37	26
CITY OF CARBONDALE		PROJECT NO.	M-5008(19)	
CONTRACT NO. 99182		JOB NO.	C99-504-03	

FEDERAL AID PROJECT

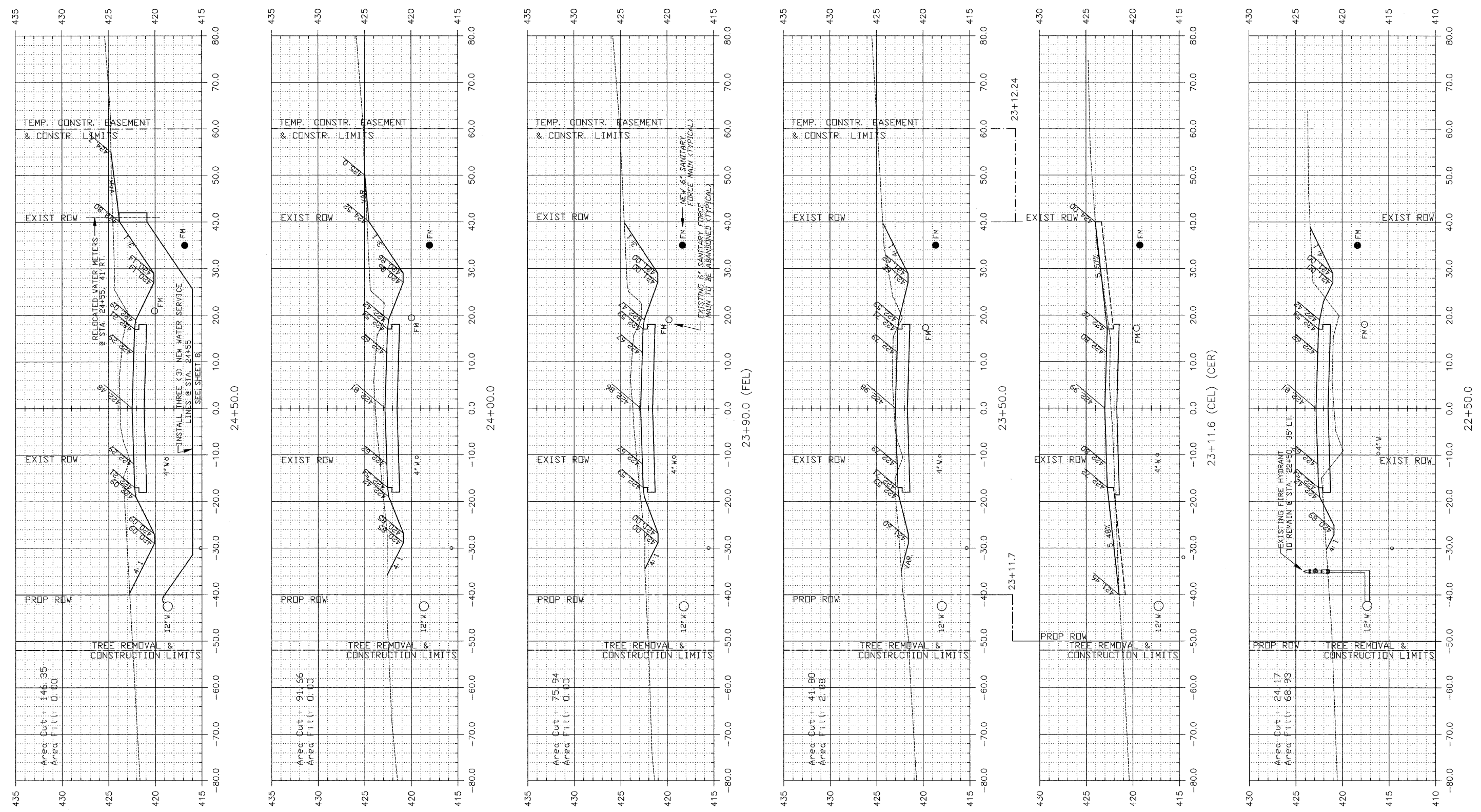


NOTE: CUT AND FILL AREA SHOWN ARE TO FINISH GRADE

CIP NO. ST0102 - REED STATION ROAD
CROSS SECTIONS
STA. 22+00 TO STA. 23+50

F. A. U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
9732	00-00103-00-FP	JACKSON	37	27
CITY OF CARBONDALE		PROJECT NO. M-5008(19)		
CONTRACT NO. 99182		JOB NO. C99-504-03		

FEDERAL AID PROJECT

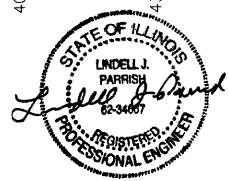
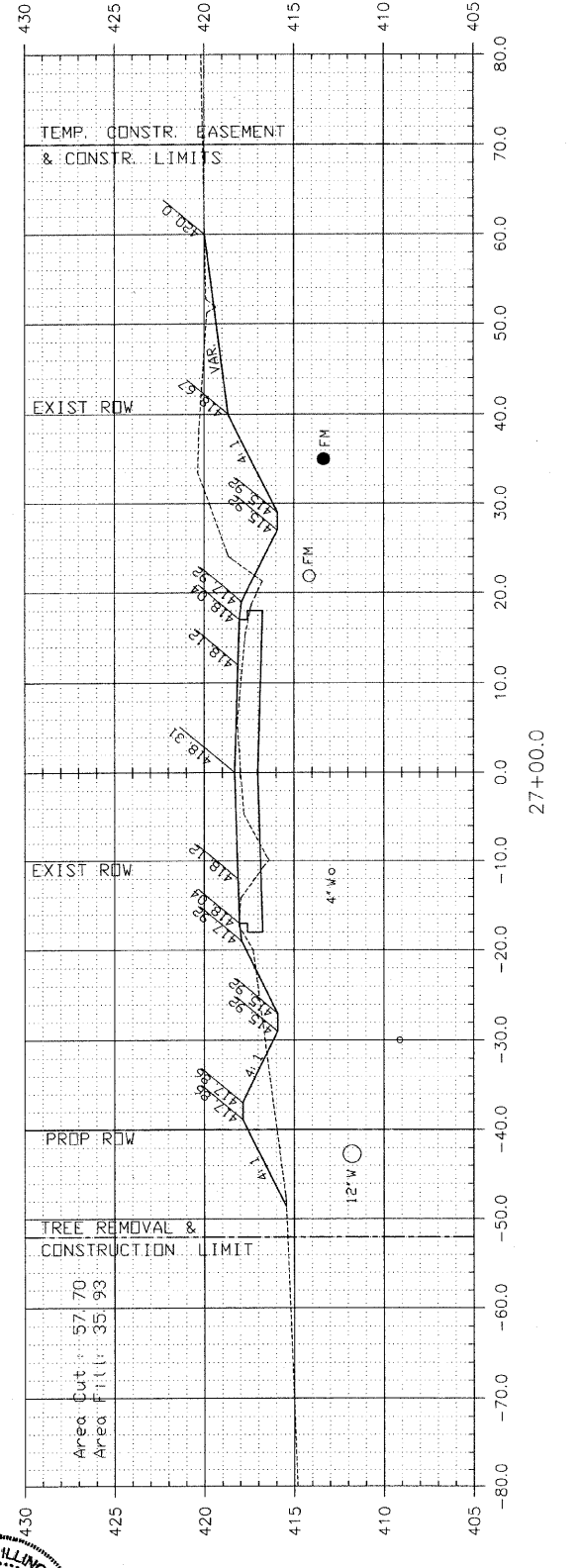
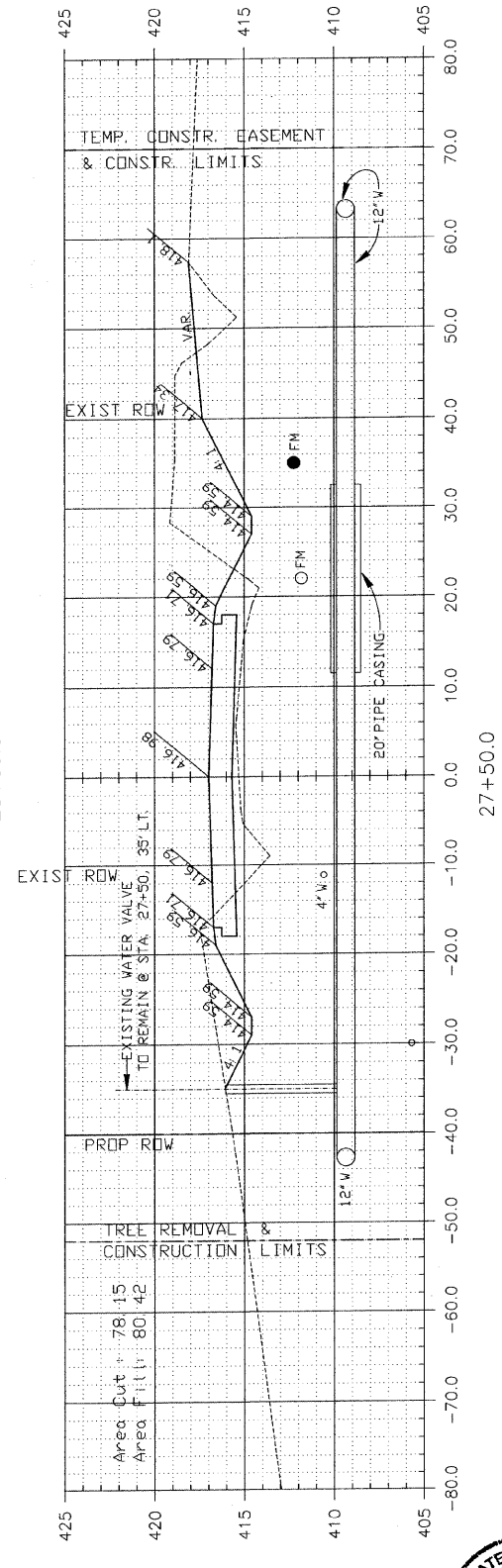
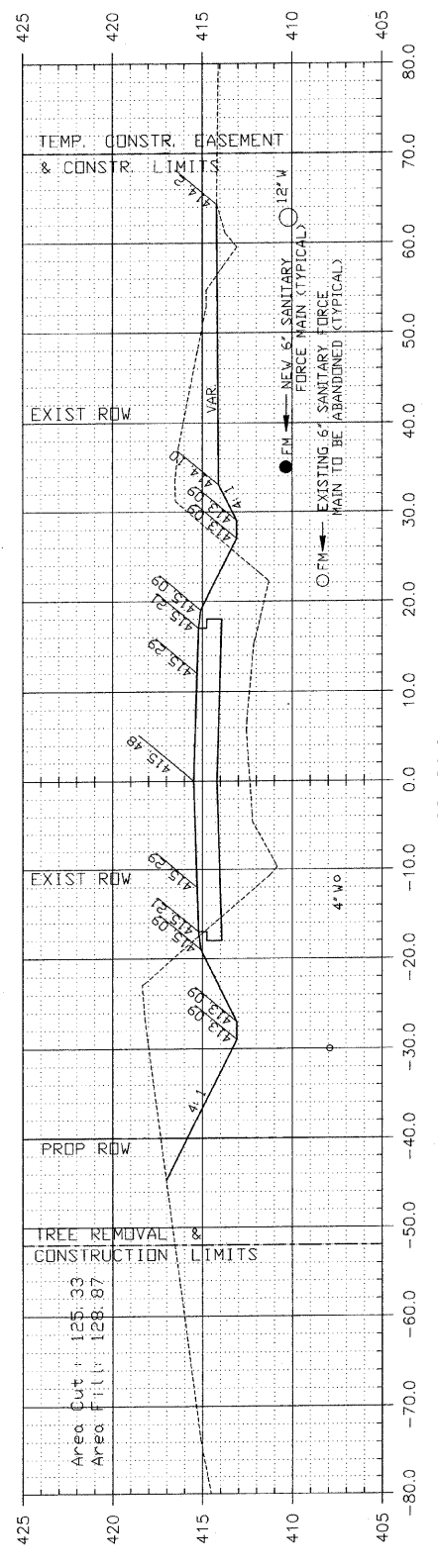
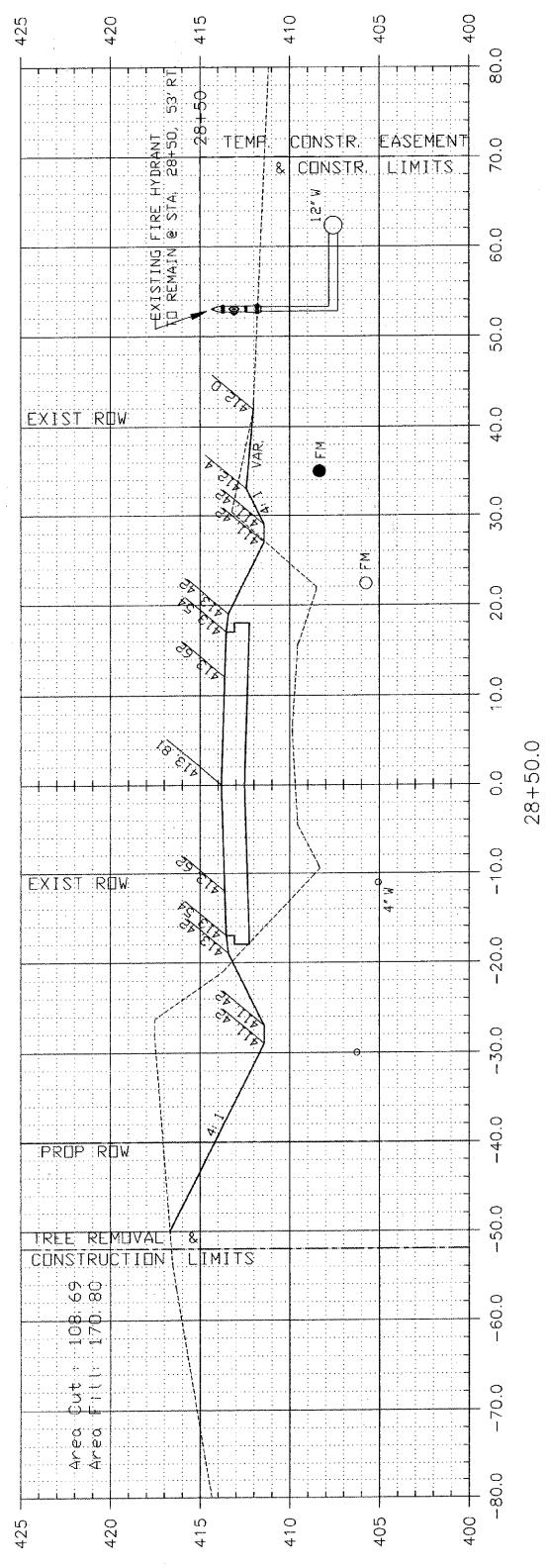
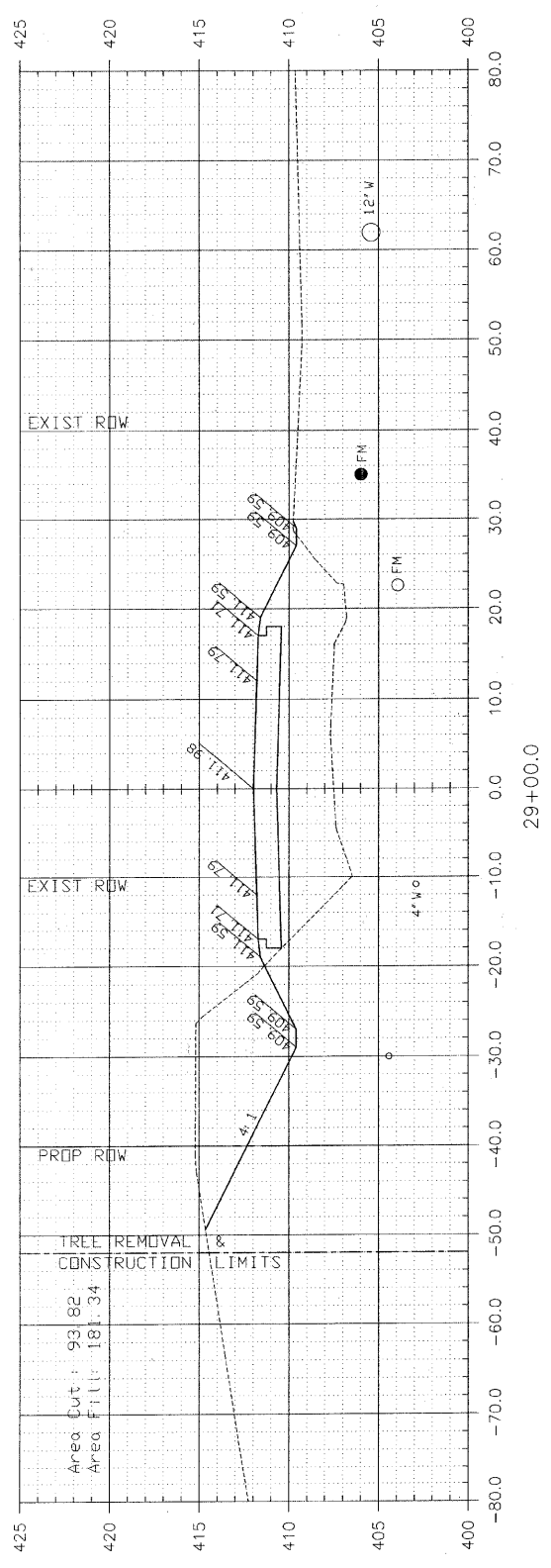


NOTE: CUT AND FILL AREA SHOWN ARE TO FINISH GRADE

CIP NO. ST0102 - REED STATION ROAD
CROSS SECTIONS
STA. 23+90 TO STA. 25+50

F. A. I. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
9732	00-00103-00-FP	JACKSON	37	29
CITY OF CARBONDALE		PROJECT NO. M-5008(19)		
CONTRACT NO. 991B2		JOB NO. C99-504-03		

FEDERAL AID PROJECT

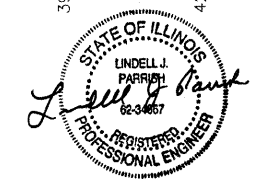
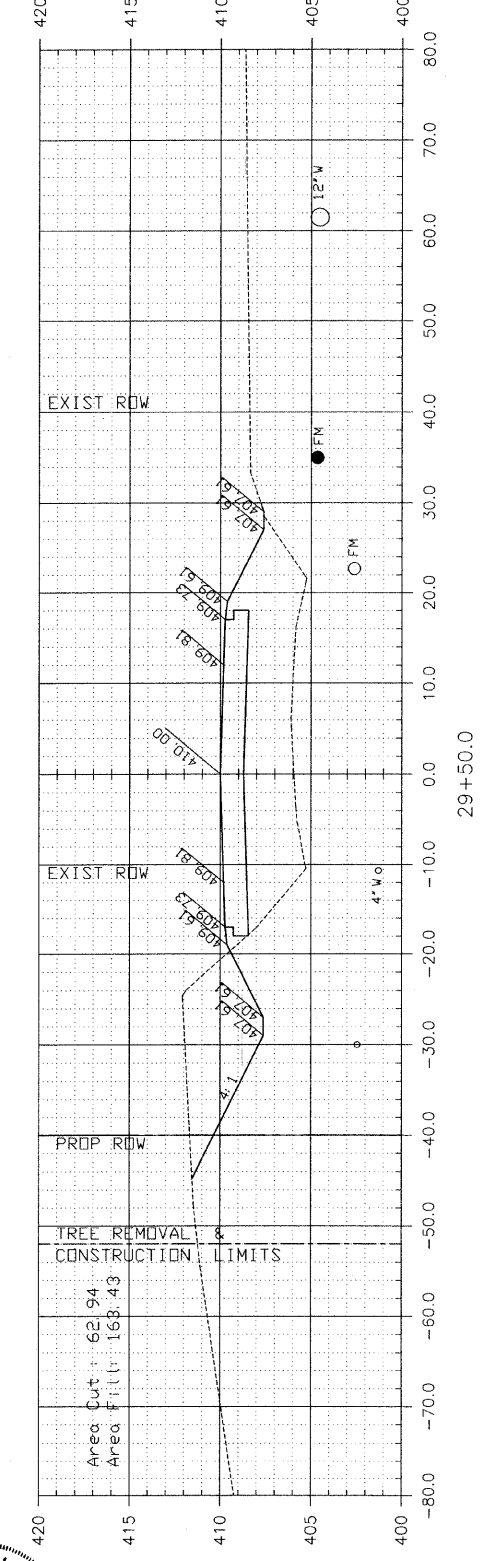
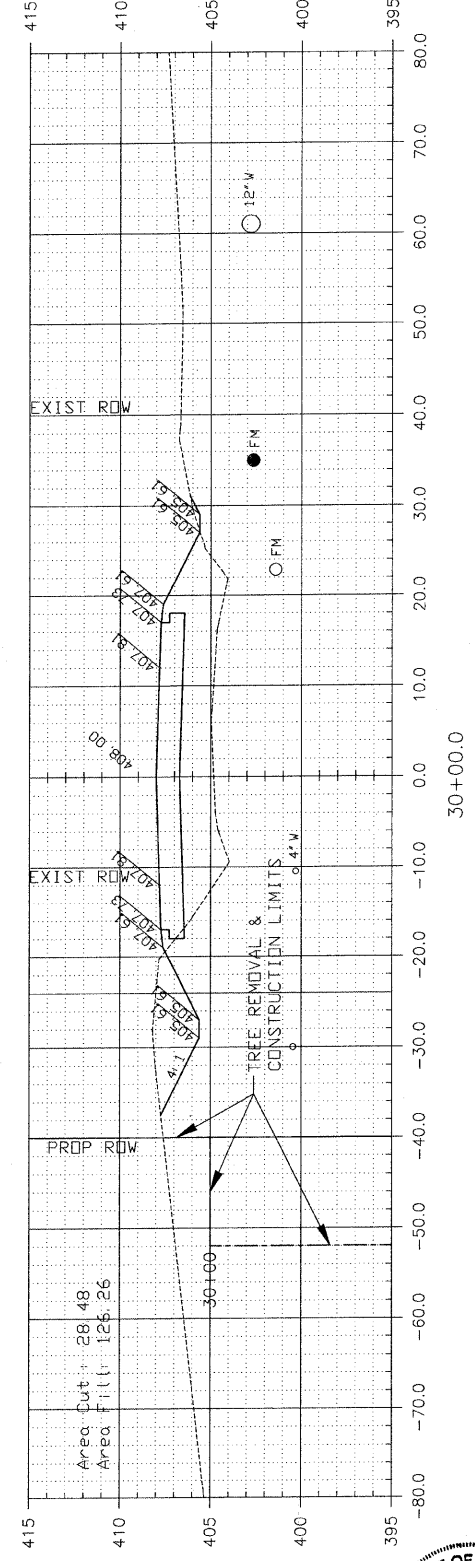
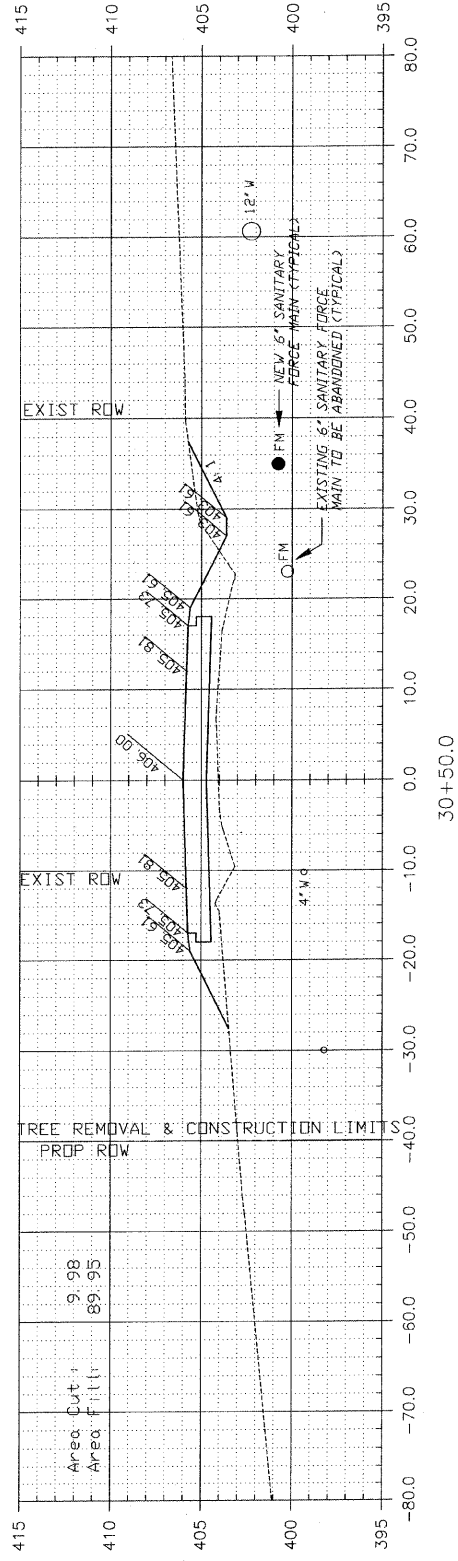
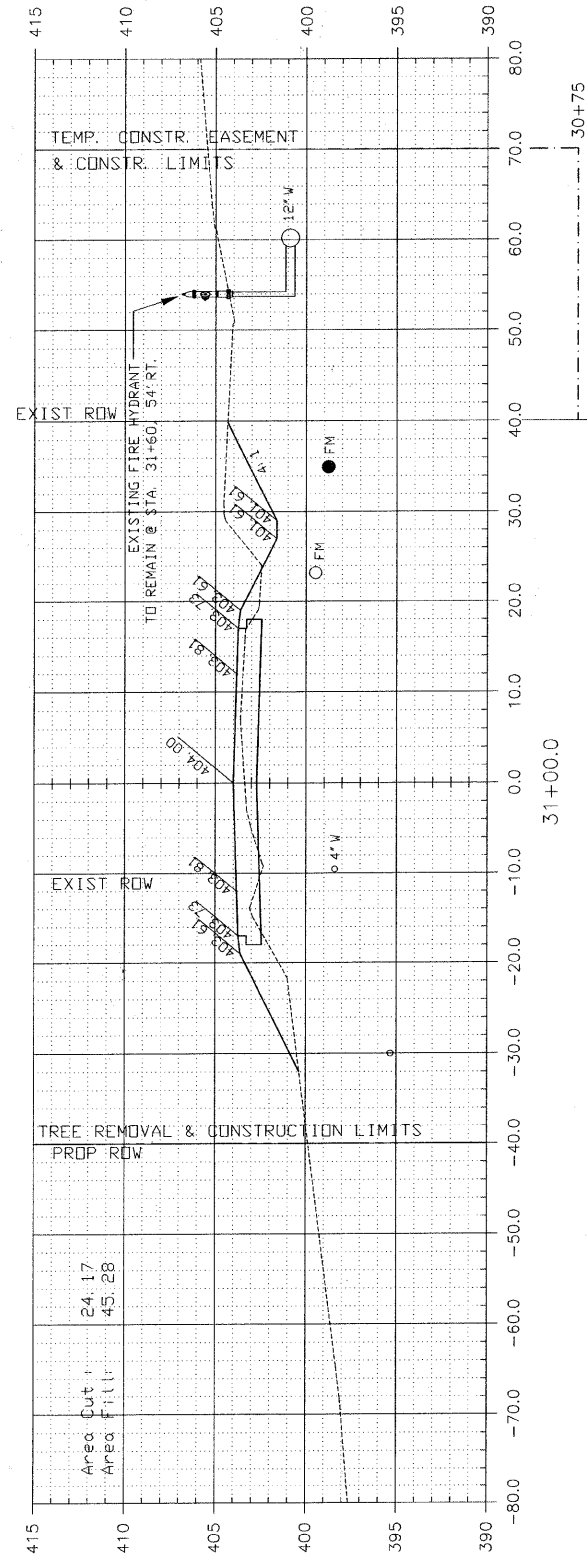
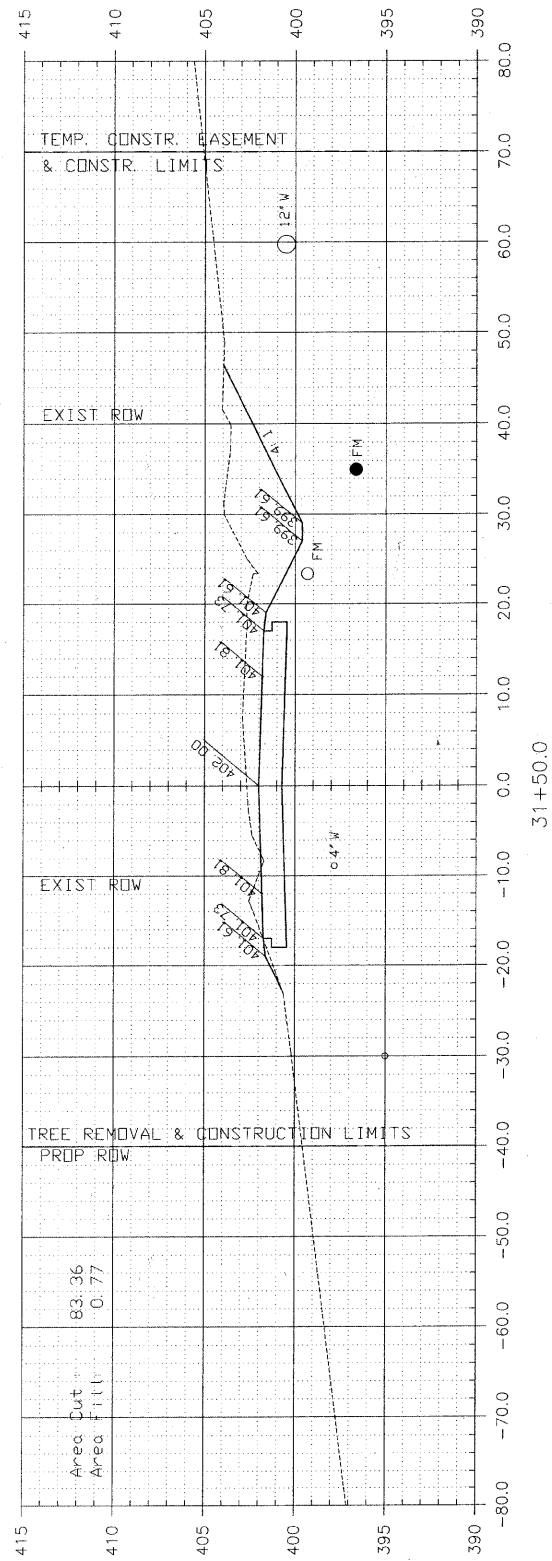


NOTE: CUT AND FILL AREA SHOWN ARE TO FINISH GRADE

CIP NO. ST0102 - REED STATION ROAD
CROSS SECTIONS
STA. 28+00 TO STA. 30+00

F. A. U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
9732	00-00103-00-FP	JACKSON	37	30
CITY OF CARBONDALE		PROJECT NO. M-5008(19)		
CONTRACT NO. 99182		JOB NO. C99-504-03		

FEDERAL AID PROJECT



NOTE: CUT AND FILL AREA SHOWN ARE TO FINISH GRADE

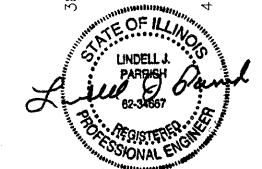
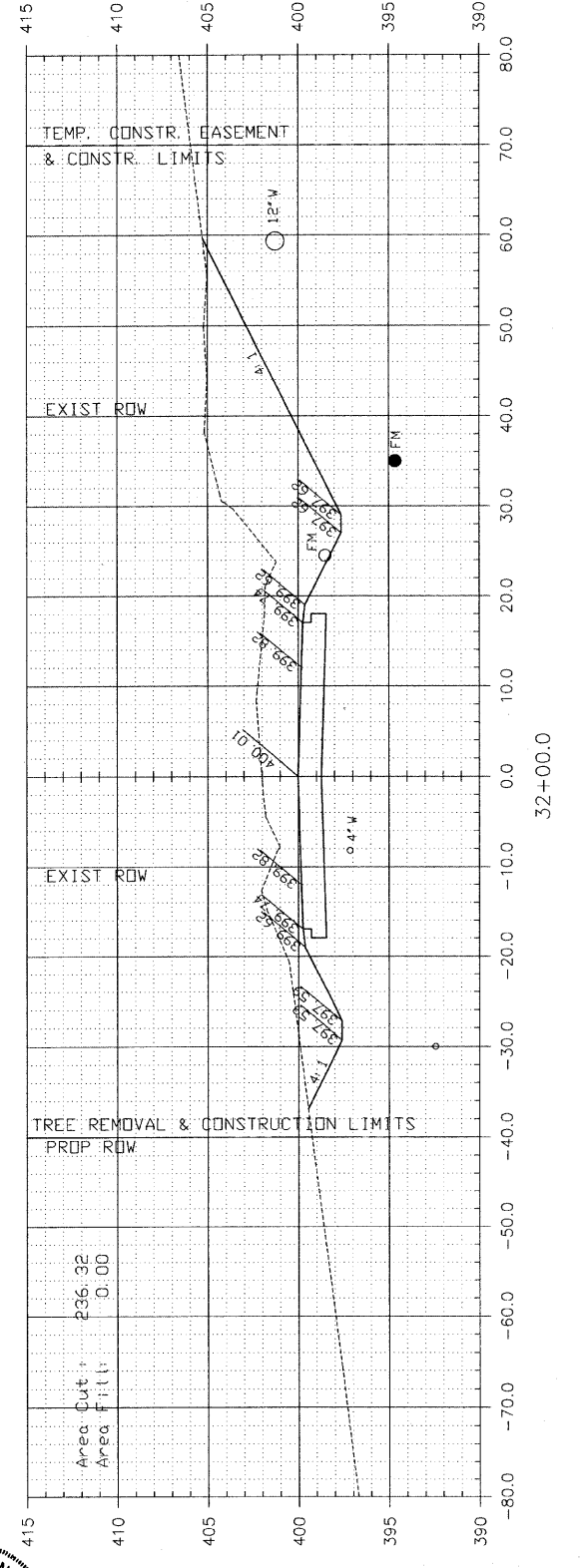
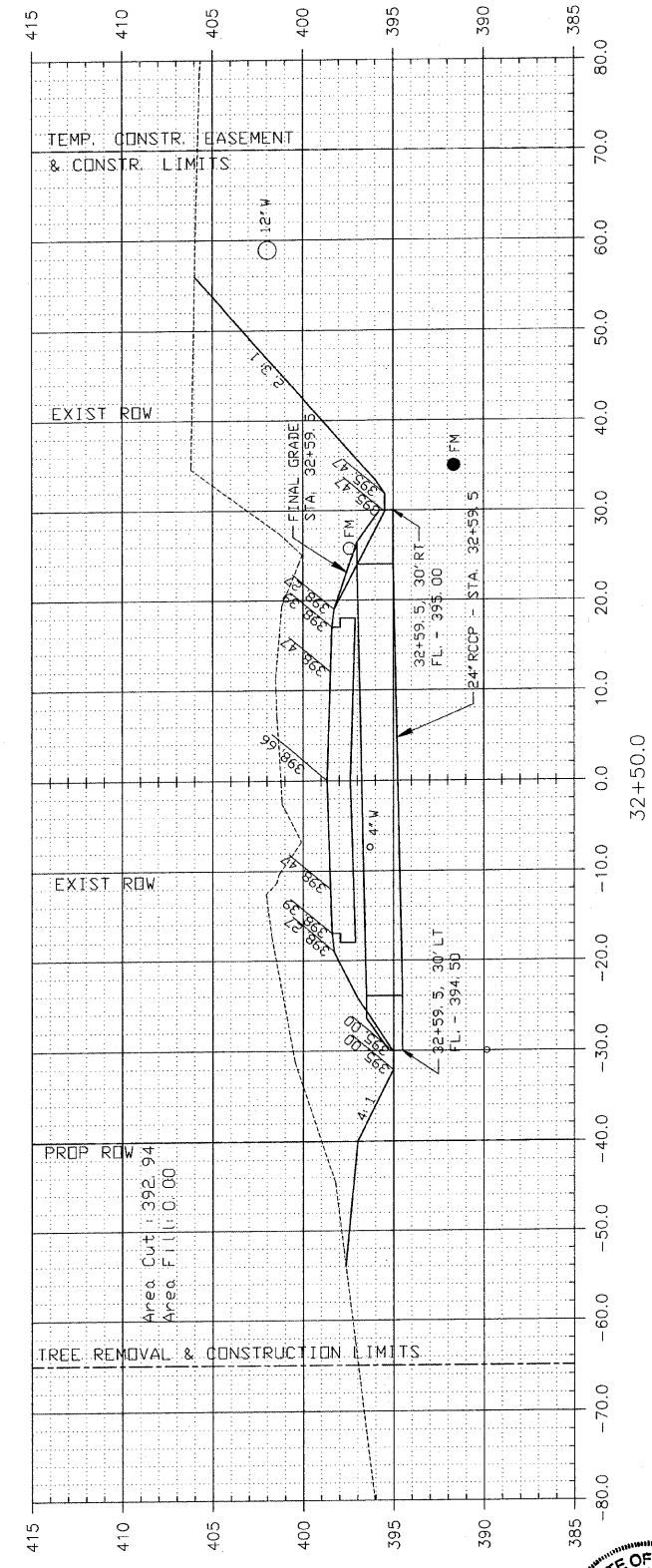
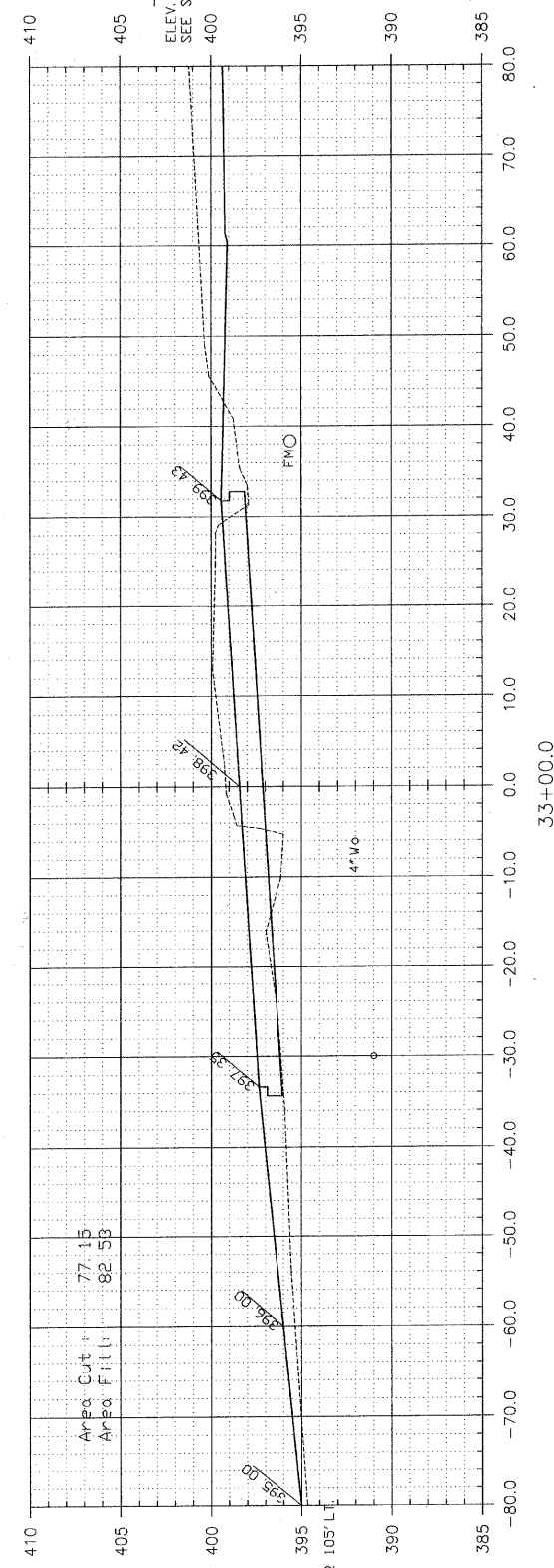
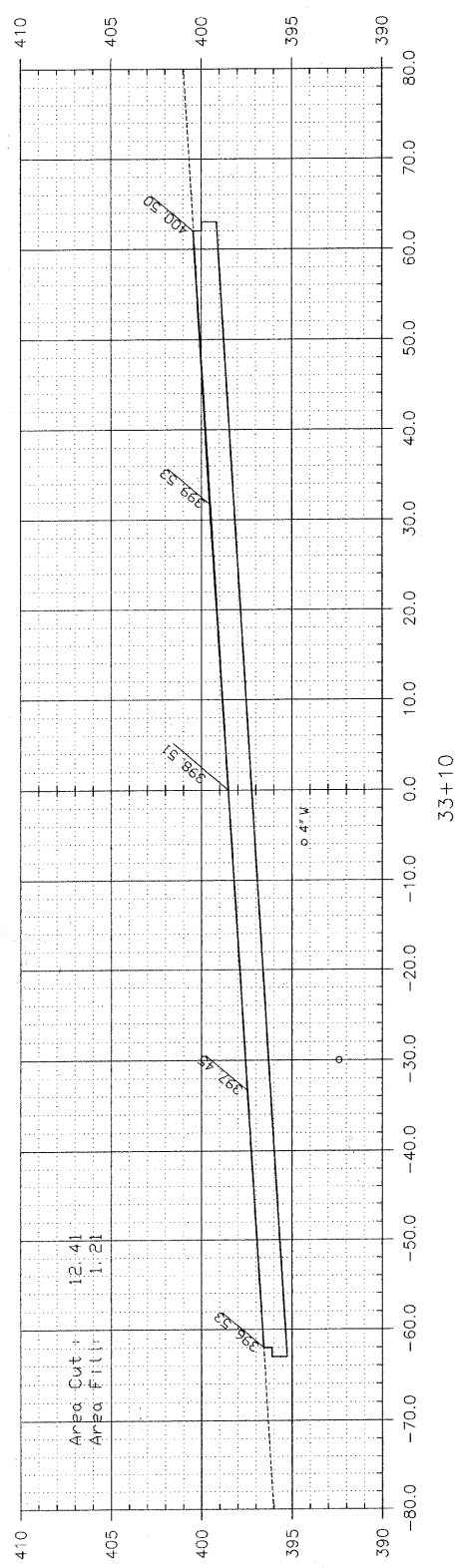
CIP NO. ST0102 - REED STATION ROAD
CROSS SECTIONS
STA. 30+50 TO STA. 32+50

F. A. U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
9732	00-00103-00-FP	JACKSON	37	31
CITY OF CARBONDALE		PROJECT NO.	M-5008(19)	
CONTRACT NO. 99182		JOB NO.	C99-504-03	

FEDERAL AID PROJECT

ESTIMATED EARTHWORK QUANTITIES
 EARTH EXCAVATION - 12,000 CU. YDS.
 EMBANKMENT - 6,000CU. YDS.
 WASTE - 4,500BU. YDS. @ 25%.

CROSS SECTION VOLUMES
 CALCULATED TO FINISH GRADE
 CUT = 8890CU. YDS.
 FILL = 8492 CU. YDS.
 FOR EARTHWORK COMPUTATIONS ADJUST
 THESE FIGURES TO INCLUDE VOLUMES OF
 AGGREGATE BASE & BITUMINOUS CONCRETE



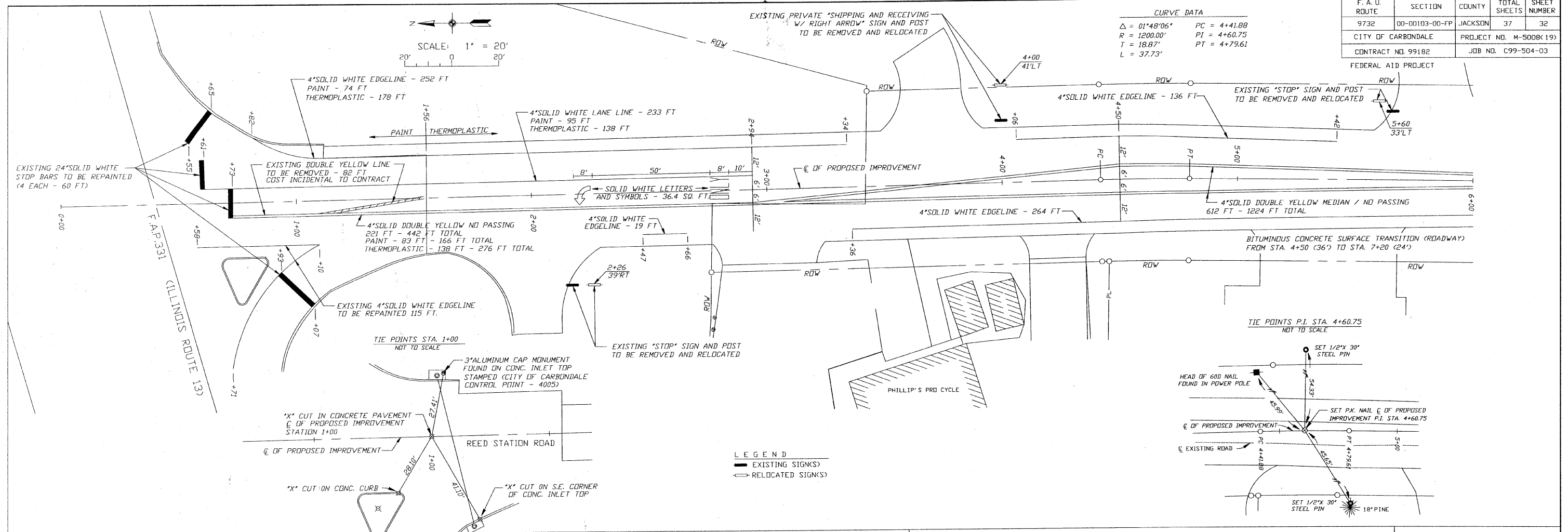
NOTE: CUT AND FILL AREA SHOWN ARE TO FINISH GRADE

CIP NO. ST0102 - REED STATION ROAD
CROSS SECTIONS
STA. 33+00 TO STA. 33+10

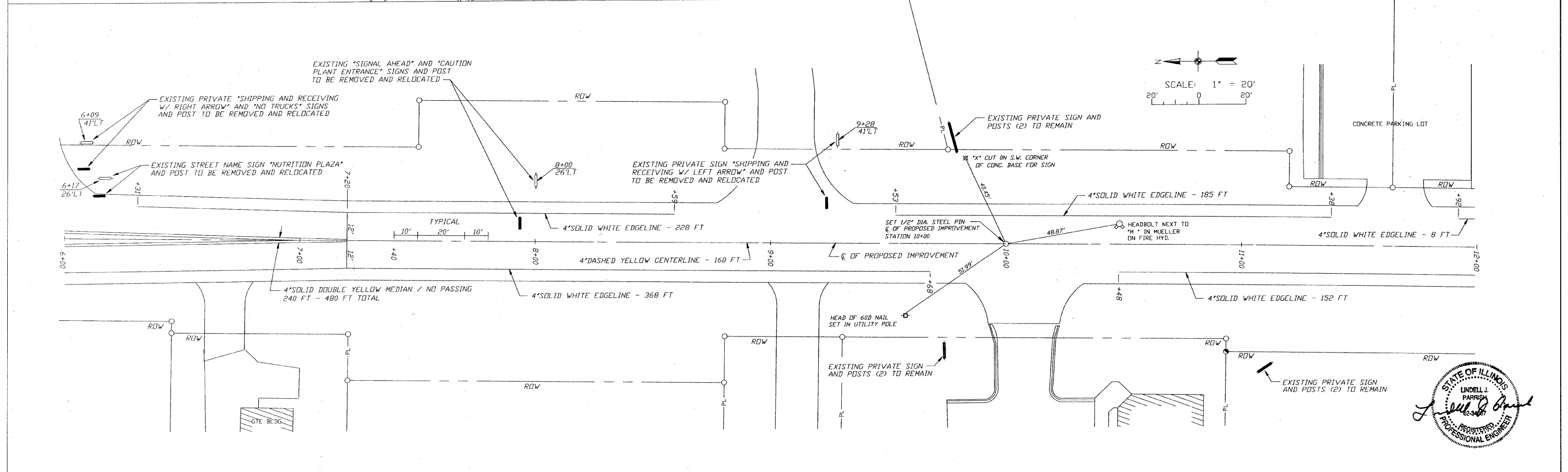
F. A. U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
9732	00-00103-00-FP	JACKSON	37	32
CITY OF CARBONDALE		PROJECT NO. M-5008(19)		
CONTRACT NO. 99182		JOB NO. C99-504-03		

CURVE DATA
 $\Delta = 01^{\circ}48'06''$ $PC = 4+41.88$
 $R = 1200.00'$ $PI = 4+60.75$
 $T = 18.87'$ $PT = 4+79.61$
 $L = 37.73'$

FEDERAL AID PROJECT

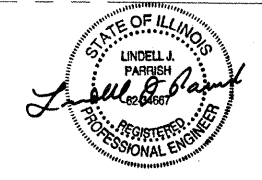
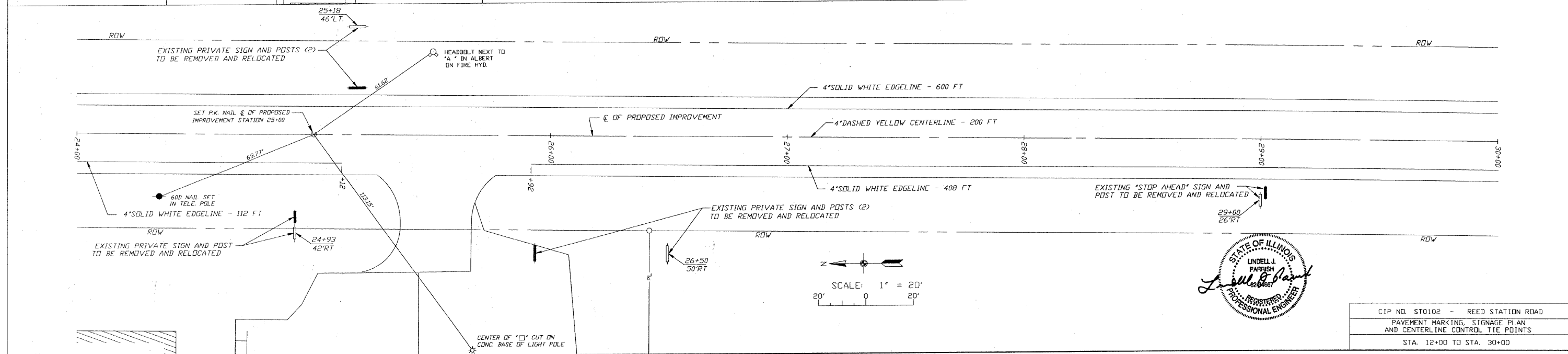
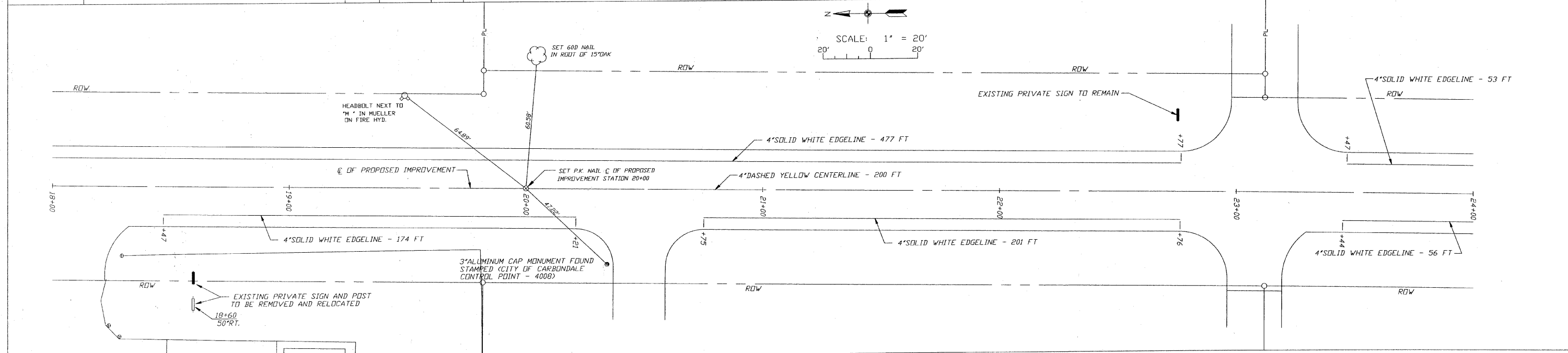
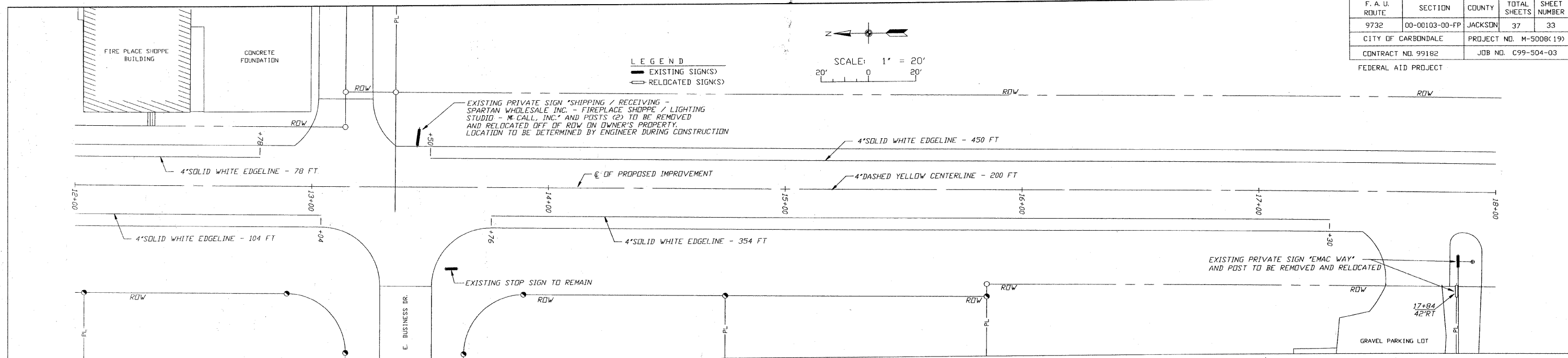


SCALE: 1" = 20'



CIP NO. ST0102 - REED STATION ROAD
PAVEMENT MARKING, SIGNAGE PLAN
AND CENTERLINE CONTROL TIE POINTS
STA. 0+50 TO STA. 12+00

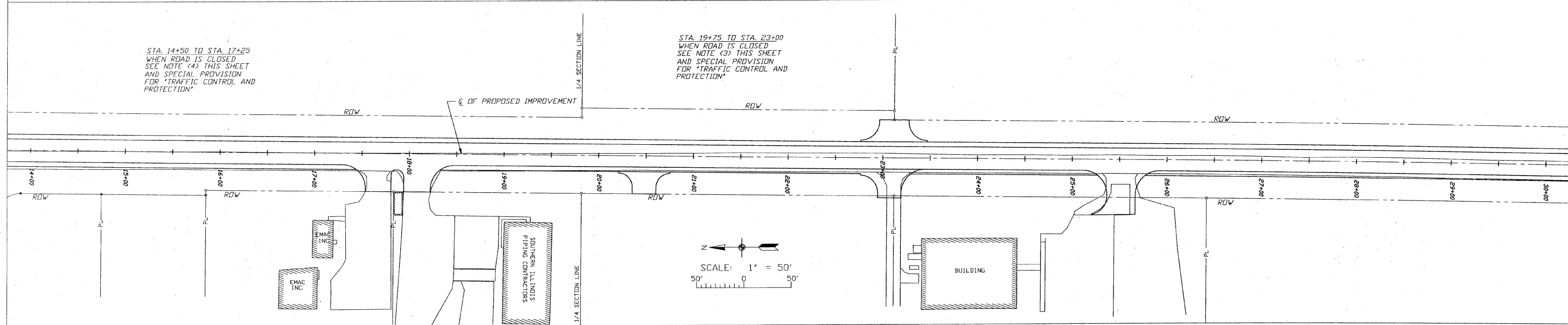
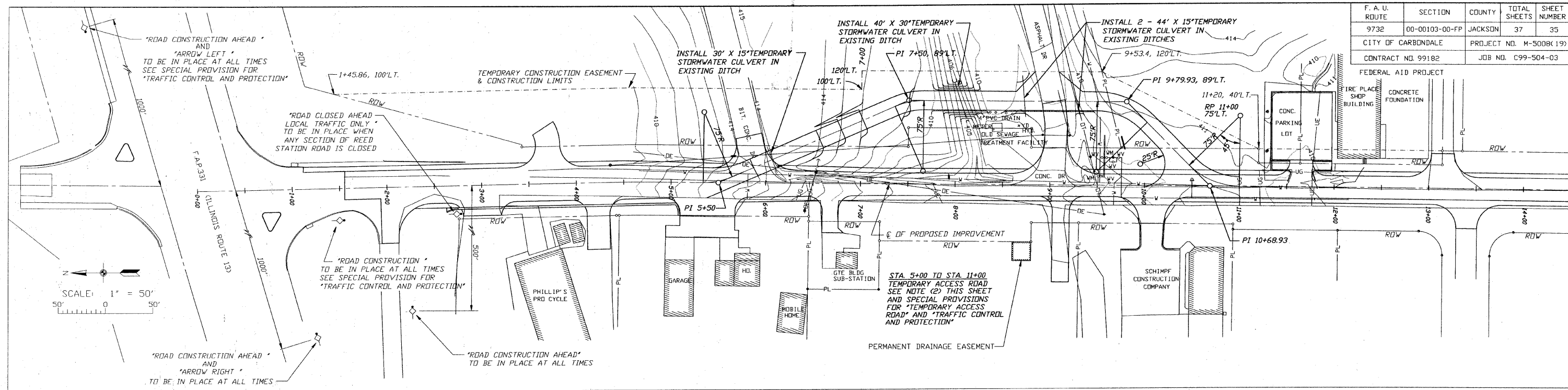
F. A. U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
9732	00-00103-00-FP	JACKSON	37	33
CITY OF CARBONDALE		PROJECT NO. M-5008(19)		
CONTRACT NO. 99182		JOB NO. C99-504-03		
FEDERAL AID PROJECT				



CIP NO. ST0102 - RECD STATION ROAD
 PAVEMENT MARKING, SIGNAGE PLAN
 AND CENTERLINE CONTROL TIE POINTS
 STA. 12+00 TO STA. 30+00

F. A. U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
9732	00-00103-00-FP	JACKSON	37	35
CITY OF CARBONDALE		PROJECT NO. M-5008(19)		
CONTRACT NO. 99182		JOB NO. C99-504-03		

FEDERAL AID PROJECT



NOTES TO CONTRACTOR

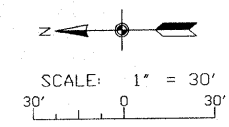
- When the Contractor is performing all embankment work, earth excavation (special), stormwater culvert removal and replacement and aggregate base course work between Sta. 26+00 and Sta. 33+10, he will be allowed to close Reed Station Road between Sta. 26+00 and Sta. 33+10 to all traffic. Signage shall be placed on Old Illinois Route 13 (FAU 9707) as shown on this sheet and traffic control shall be provided along Reed Station Road as shown on Highway Standard B.L.R. 21-5 and as directed by the Engineer. Vehicular access will be provided to all businesses and residents between Illinois Route 13 (FAP 331) and Sta. 26+00 at all times during this closure from Illinois Route 13 (FAP 331) to the north.
- When the Contractor is performing all embankment work, earth excavation (special), stormwater culvert removal and replacement and aggregate base course work between Sta. 6+00 and Sta. 10+00. The Contractor will route traffic from the north around the construction via a temporary access road. The temporary access road shall be constructed to the lines and grades shown on this sheet and shall consist of installing all temporary culverts, constructing a temporary aggregate surface consisting of compacted aggregate (18 ft. wide x 6 in. depth minimum) and providing all required earthwork as directed by the Engineer. Traffic control shall be provided along Reed Station Road and the temporary access road as shown on Highway Standard 701331-02 and as directed by the Engineer. Vehicular access will be provided to all businesses and residents between Illinois Route 13 (FAP 331) and Old Illinois Route 13 (FAU 9707) at all times during this closure from both Illinois Route 13 (FAP 331) to the north and Old Illinois Route 13 (FAU 9707) to the south. Please refer to the special provisions for Traffic Control and Protection and Temporary Access Road for the construction and subsequent removal of this temporary access road.
- When the Contractor is performing all embankment work, earth excavation (special), stormwater culvert removal and replacement and aggregate base course work between Sta. 18+50 and Sta. 22+75, he will be allowed to close Reed Station Road between Sta. 18+50 and Sta. 22+75 to all traffic. Signage shall be placed on Old Illinois Route 13 (FAU 9707) as shown on this sheet and traffic control shall be provided along Reed Station Road as shown on Highway Standard B.L.R. 21-5 and as directed by the Engineer. Vehicular access will be provided to the businesses with entrances located at Sta. 23+07 RT, Sta. 23+12 LT and Sta. 25+52 RT at all times during this closure from Old Illinois Route 13 (FAU 9707) to the south. Vehicular access to all other businesses and residents will be provided at all times during this closure from Illinois Route 13 (FAP 331) to the north.

- When the Contractor is performing all embankment work, earth excavation (special), stormwater culvert removal and replacement and aggregate base course work between Sta. 13+75 and Sta. 17+25, he will be allowed to close Reed Station Road between Sta. 13+75 and Sta. 17+25 to all traffic. Signage shall be placed along Old Illinois Route 13 (FAU 9707) as shown on this sheet and traffic control shall be provided along Reed Station Road as shown on Highway Standard B.L.R. 21-5 and as directed by the Engineer. Vehicular access will be provided to the businesses with entrances located at Sta. 17+57 RT, Sta. 18+08 RT, 20+48 RT, 23+07 RT, 23+12 LT and 25+52 RT at all times during this closure from Old Illinois Route 13 (FAU 9707) to the south. Vehicular access to all other businesses and residents will be provided at all times during this closure from Illinois Route 13 (FAP 331) to the north.
- When the Contractor is performing work at all locations other than those specified in notes 1, 2, 3, and 4 above and after the required amount of work is performed in areas specified in notes 1, 2, 3 and 4 above to use the proposed roadway alignment, the Contractor will be required to keep the road open to thru traffic. A minimum of one travel lane will be open to the general public at all times during day time working hours. Flagmen will be required at all times when the road is reduced to one lane. During night time and all non-working hours, two travel lanes shall be open to the general public with the minimum width of each lane being nine (9') feet. The conditions of the lanes must be smooth and easily travelable by the general public. Access to sidewalks, commercial entrances and private entrances shall be maintained throughout the entire construction period. Adequate traffic control and erosion control shall be provided at all times. At any time, day and/or night, during the entire construction period, the maximum allowable differential in elevation between adjacent open traffic lanes shall be 2 inches and 3 inches between the edge traffic lane and shoulder. The Contractor shall place lighted type I or II barricades, lighted barrels or vertical panels as specified in the "Standard Specifications" when the elevation differentials exceed those specified above. The Contractor may also be required to provide and place additional traffic control devices (i.e. barricades, barrels, cones, etc.) at various locations within the construction limits where the Engineer deems them to be necessary.
- The Contractor will be required to provide traffic control during the entire construction period in accordance with Highway Standards 701001-01, 701006-02, 701011-01, 701201-02, 701301-02, 701306-01, 701311-02, 701326-02 and 702001-06 at all times when performing work at locations specified in the Highway Standard pertaining to that item and location of work involved.
- Please refer to special provision for "Traffic Control and Protection" and/or required Highway Standards for designation and sizes of signs to be used for traffic control as specified.

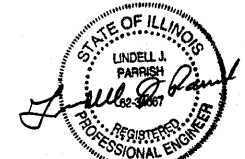
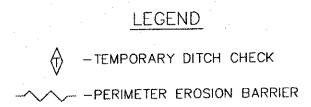
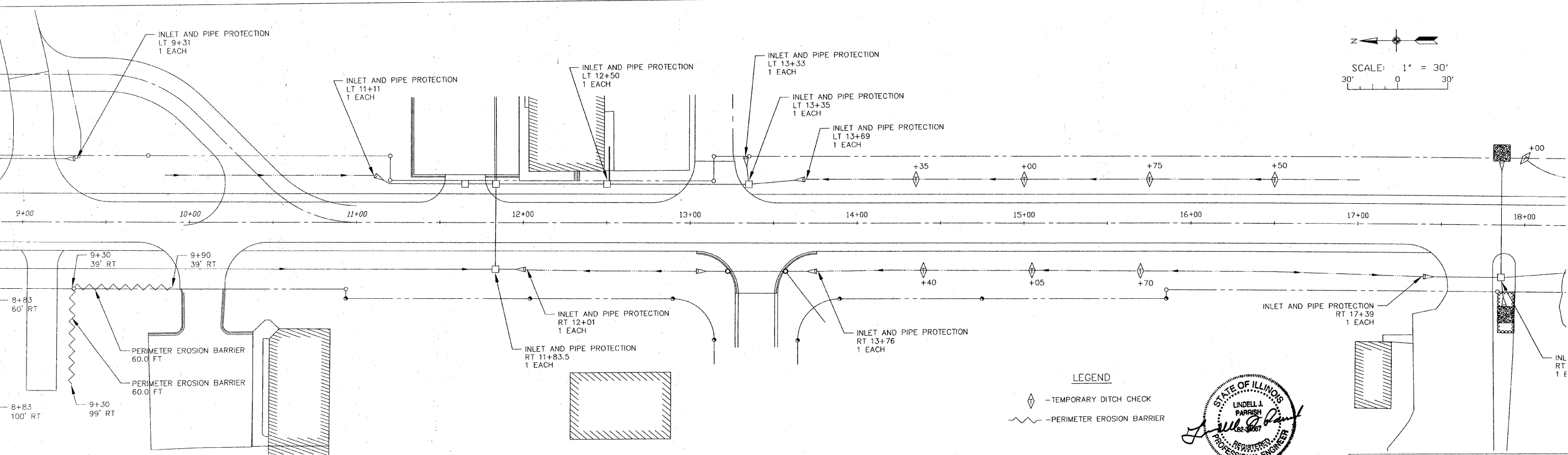
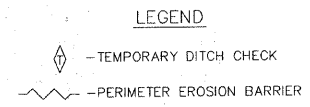
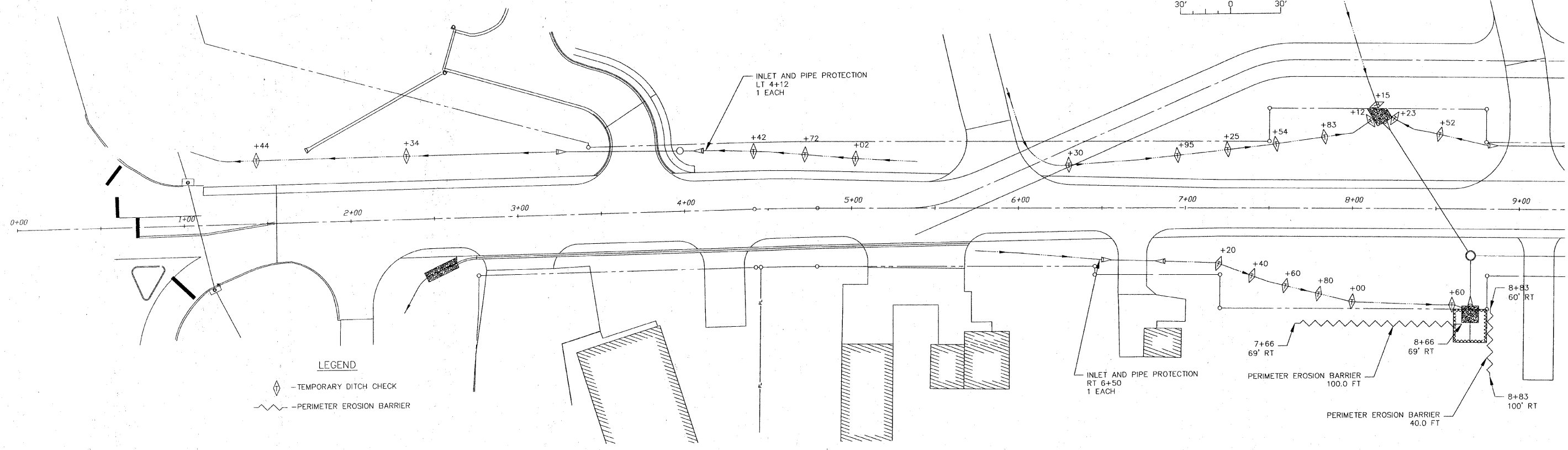
ALL TRAFFIC CONTROL SIGNS SHALL BE FLUORESCENT ORANGE WITH FLASHING YELLOW LIGHTS.

CIP NO. ST0102 - REED STATION ROAD
TRAFFIC CONTROL PLAN
STA. -(1+15) TO STA. 33+40

F. A. U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
9732	00-00103-00-FP	JACKSON	37	36
CITY OF CARBONDALE		PROJECT NO. M-5008(19)		
CONTRACT NO. 99182		JOB NO. C99-504-03		



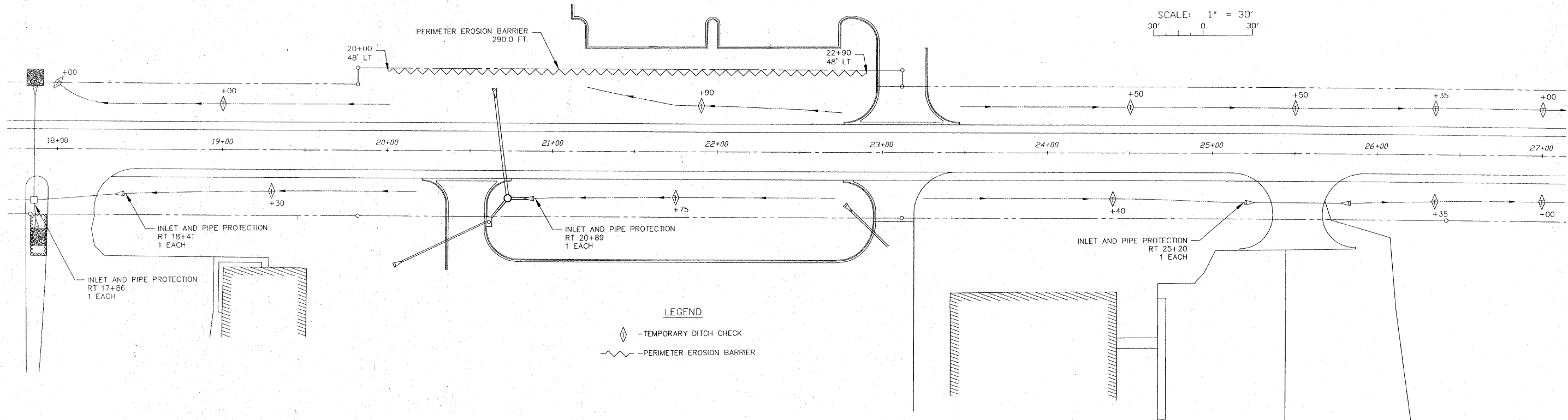
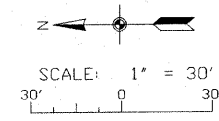
FEDERAL AID PROJECT



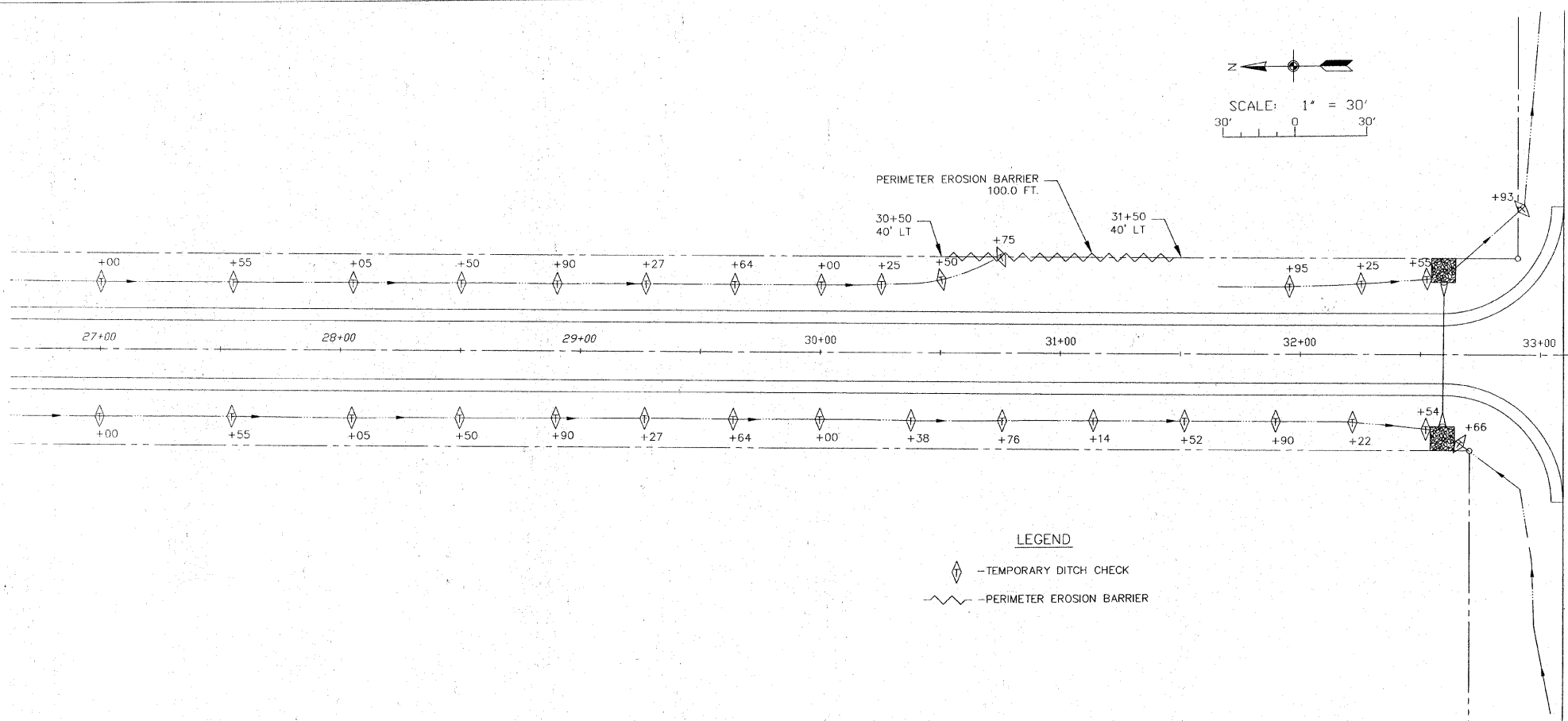
CIP NO. ST0102 - REED STATION ROAD
EROSION CONTROL PLAN
STA. 0+00 TO STA. 18+00

FILE: ?
 DRAWN BY: ?
 DATE: ?
 PLOT SCALE: ?
 LAYER STATE: ?
 CTB FILE: ?
 PS PLOT TAB: ?
 PLOT VIEW: ?
 LINETYPE SCALE: ?

F. A. U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
9732	00-00103-00-FP	JACKSON	37	37
CITY OF CARBONDALE		PROJECT NO. M-500BK 199		
CONTRACT NO. 99182		JOB NO. C99-504-03		
FEDERAL AID PROJECT				



LEGEND
 ◆ - TEMPORARY DITCH CHECK
 ~~~~~ - PERIMETER EROSION BARRIER



**LEGEND**  
 ◆ - TEMPORARY DITCH CHECK  
 ~~~~~ - PERIMETER EROSION BARRIER

TEMPORARY DITCH CHECKS

| STATION | EACH | STATION | EACH |
|----------------|------|----------|------|
| 1+44 LT | 1 | 7+20 RT | 1 |
| 2+34 LT | 1 | 7+40 RT | 1 |
| 4+42 LT | 1 | 7+60 RT | 1 |
| 4+72 LT | 1 | 7+80 RT | 1 |
| 5+02 LT | 1 | 8+00 RT | 1 |
| 6+30 LT | 1 | 8+60 RT | 1 |
| 6+95 LT | 1 | 14+40 RT | 1 |
| 7+25 LT | 1 | 15+05 RT | 1 |
| 7+54 LT | 1 | 15+70 RT | 1 |
| 7+83 LT | 1 | 19+30 RT | 1 |
| 8+12 LT | 1 | 21+75 RT | 1 |
| 8+15 LT | 1 | 24+40 RT | 1 |
| 8+23 LT | 1 | 26+35 RT | 1 |
| 8+52 LT | 1 | 27+00 RT | 1 |
| 14+35 LT | 1 | 27+55 RT | 1 |
| 15+00 LT | 1 | 28+05 RT | 1 |
| 15+75 LT | 1 | 28+50 RT | 1 |
| 16+50 LT | 1 | 28+90 RT | 1 |
| 18+00 LT | 1 | 29+27 RT | 1 |
| 19+00 LT | 1 | 29+64 RT | 1 |
| 21+90 LT | 1 | 30+00 RT | 1 |
| 24+50 LT | 1 | 30+38 RT | 1 |
| 25+50 LT | 1 | 30+76 RT | 1 |
| 26+35 LT | 1 | 31+14 RT | 1 |
| 27+00 LT | 1 | 31+52 RT | 1 |
| 27+55 LT | 1 | 31+90 RT | 1 |
| 28+05 LT | 1 | 32+22 RT | 1 |
| 28+50 LT | 1 | 32+54 RT | 1 |
| 28+90 LT | 1 | 32+66 RT | 1 |
| 29+27 LT | 1 | | |
| 29+64 LT | 1 | | |
| 30+00 LT | 1 | | |
| 30+25 LT | 1 | | |
| 30+50 LT | 1 | | |
| 30+75 LT | 1 | | |
| 31+95 LT | 1 | | |
| 32+25 LT | 1 | | |
| 32+35 LT | 1 | | |
| 32+93 LT | 1 | | |
| TOTAL: 68 EACH | | | |

INLET AND PIPE PROTECTION

| STATION | EACH |
|------------|------|
| 4+12 LT | 1 |
| 6+50 RT | 1 |
| 9+31 LT | 1 |
| 11+11 LT | 1 |
| 11+83.5 RT | 1 |
| 12+01 RT | 1 |
| 12+50 LT | 1 |
| 13+33 LT | 1 |
| 13+35 LT | 1 |
| 13+69 LT | 1 |
| 13+76 RT | 1 |
| 17+39 RT | 1 |
| 17+86 RT | 1 |
| 18+41 RT | 1 |
| 20+89 RT | 1 |
| 25+20 RT | 1 |
| TOTAL 16 | |

PERIMETER EROSION BARRIER

| STATION TO STATION | LENGTH |
|----------------------|--------|
| 7+66 RT TO 8+66 RT | 100.0' |
| 8+83 RT | 40.0' |
| 9+30 RT | 60.0' |
| 9+30 RT TO 9+90 RT | 60.0' |
| 20+00 LT TO 22+90 LT | 290.0' |
| 30+50 LT TO 31+50 LT | 100.0' |
| TOTAL 650.0' | |



CIP NO. ST0102 - REED STATION ROAD
 EROSION CONTROL PLAN
 STA. 18+00 TO STA. 33+10

FILE: ?
 PROJ. NAME: ?
 DRAWN BY: ?
 DATE: ?
 PLOT SCALE: ?
 LAYER STATE: ?
 LINETYPE SCALE: ?
 PLOT VIEW: ?
 CTB FILE: ?