

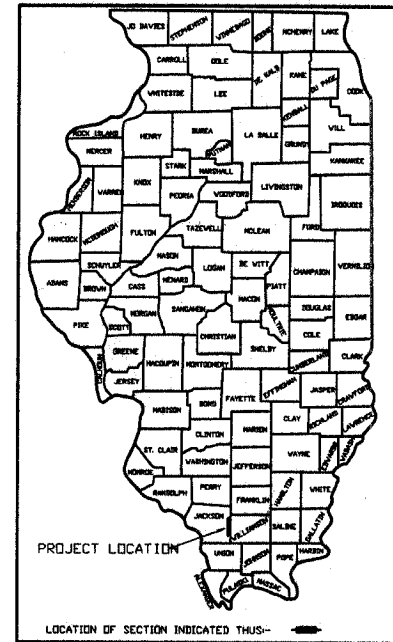
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
PLANS FOR PROPOSED

FEDERAL - AID URBAN PROJECT
CITY OF CARBONDALE

F. A. U. ROUTE 9732
SECTION 00-00102-00-FP
JACKSON COUNTY
PROJECT NO. M-5008(17)
JOB NO. C-99-033-03 CONTRACT NO. 99175

IMPROVEMENTS TO REED STATION ROAD NORTH

F. A. U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
9732	00-00102-00-FP	JACKSON	27	1
JOB NO. C-99-033-03		PROJECT NO. M-5008(17)		
CITY OF CARBONDALE		CONTRACT NO. 99175		



INDEX OF SHEETS

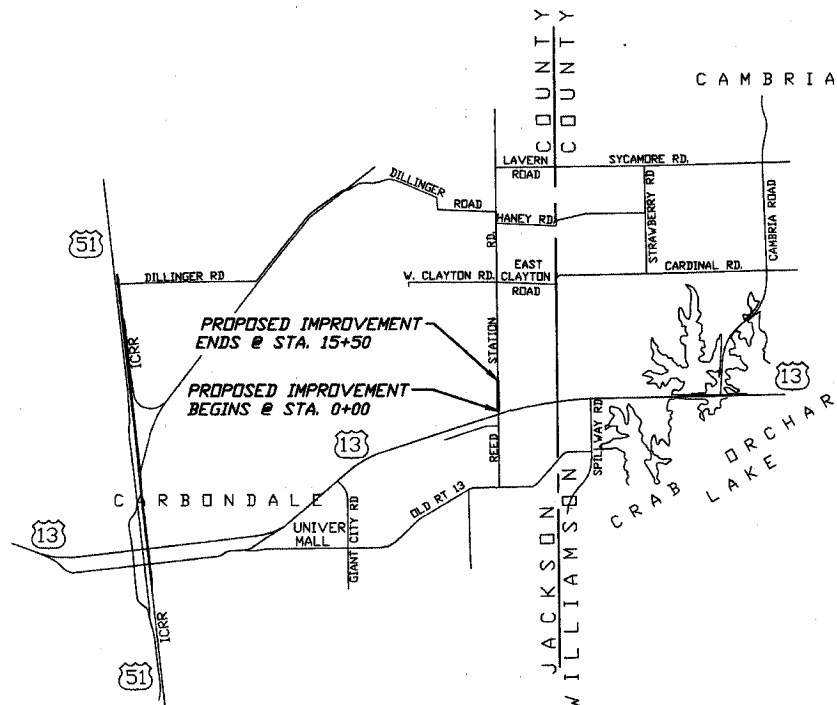
SHEET NO.	DESCRIPTION
1	TITLE, COVER SHEET AND INDEX OF SHEETS
2	TYPICAL SECTIONS, SUMMARY OF QUANTITIES, STRUCTURAL DESIGN DATA AND TRAFFIC CONTROL PLAN
3	MISCELLANEOUS SCHEDULES
4	MISCELLANEOUS DETAILS
5-7	PLAN AND PROFILES
8-17	CROSS SECTIONS
18-20	REMOVAL PLAN
21-23	GRADING PLAN
24	PLAN AND PROFILES - TEMPORARY BYPASS ROADS
25	PAVEMENT MARKING AND SIGNAGE PLAN
26-27	STORMWATER POLLUTION PREVENTION PLAN (PREPARED BY CITY OF CARBONDALE)

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

HIGHWAY STANDARDS

280001-02	TEMPORARY EROSION CONTROL SYSTEMS
406201	MAILBOX TURNOUT
542301	PRECAST REINFORCED CONCRETE FLARED END SECTION
542311	GRATING FOR CONCRETE FLARED END SECTION
602301	INLET, TYPE A
604066-01	FRAME AND LID, TYPE 15
606001-02	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
630001-05	STEEL PLATE BEAM GUARDRAIL
631011-02	TRAFFIC BARRIER TERMINAL TYPE 2
702001-05	TRAFFIC CONTROL DEVICES
704001-02	TEMPORARY CONCRETE BARRIER
720006	SIGN PANEL ERECTION DETAILS
780001-01	TYPICAL PAVEMENT MARKINGS
886001	DETECTOR LOOP INSTALLATIONS
886006	TYPICAL LAYOUT FOR DETECTOR LOOPS



LOCATION MAP

SCALE: 1 IN. = 4,000 FT.

NET LENGTH OF LAYOUT = 1,550 FT. = 0.294 MI.

UTILITIES ON PROJECT

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

CARBONDALE PROJECT NO. ST0107
HIGHWAY CLASSIFICATION - RURAL COLLECTOR
ADT 2025 - 10,480
DESIGN SPEED 30 M. P. H.
J. U. L. I. E.: 1-800-892-0123

APPROVED April 18 2005
Dani W. Hall
DISTRICT ENGINEER OF LOCAL ROADS & STREETS

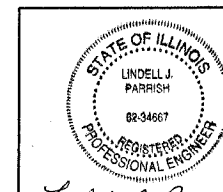
APPROVED April 20 2005
Mary Collins
DEPUTY DIRECTOR OF HIGHWAYS, REGION FIVE ENGINEER

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CITY OF CARBONDALE, ILLINOIS
DEPT. OF PUBLIC WORKS

REED STATION ROAD NORTH
CIP NO. ST0107

TITLE AND COVER SHEET



LINDELL J. PARRISH, P.E.
REG. NO. 82-34667
DATE 4-12-05
EXPIRES 11-30-05

CITY MANAGER
Walter R. Roberts 4/14/05
PUBLIC WORKS DIRECTOR
Edward A. Reiter 4/14/05
PROJECT ENGINEER
Jerry Miller 4/14/05

SCALE N.T.S.
DATE APRIL 1, 2005
DRAWN BY SDR/MFY

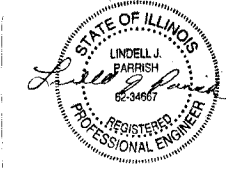
J. T. BLANKINSHIP AND ASSOCIATES
CONSULTING ENGINEERS & LAND SURVEYORS
ILLINOIS PROFESSIONAL DESIGN FIRM NO. 1394
P. O. BOX 40 401 S. 17TH STREET MURPHYSBORO, ILLINOIS 62966 PHONE 618-687-1771

FILE NO. E#8894
DESIGN FILE E8894-01.dwg
SHEET NO. 1 OF 27

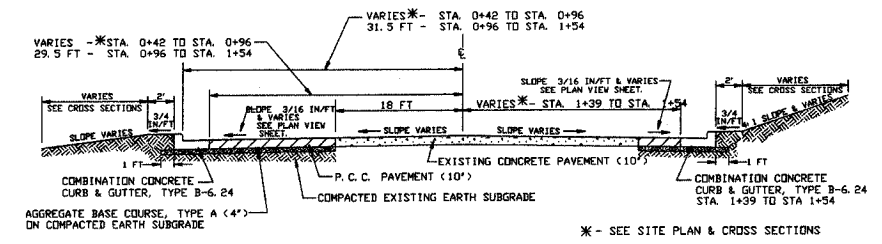
F. A. U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
9732	00-00102-00-FF JACKSON	JACKSON	27	2
JOB NO. C-99-033-33		PROJECT NO. M-5008(17)		
CITY OF CARBONDALE		CONTRACT NO. 99175		

SUMMARY OF QUANTITIES

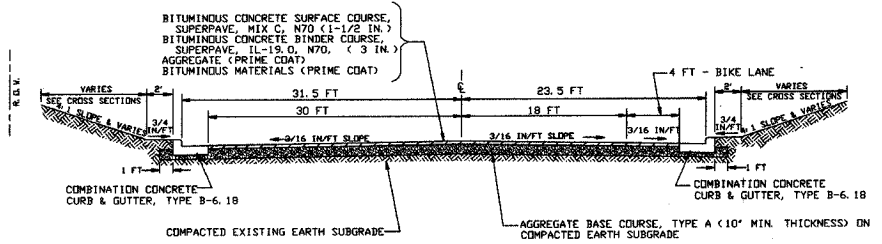
CODE NUMBER	DESCRIPTION	UNIT	AS-BID QUANTITY	AS-BUILT QUANTITY
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	8	
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	274	
20100500	TREE REMOVAL, ACRES	ACRE	1.1	
20200410	EARTH EXCAVATION (SPECIAL)	CU YD	13,700	
20400800	FURNISHED EXCAVATION	CU YD	1,925	
20800150	TRENCH BACKFILL	CU YD	550	
XY006212	LAWN SEEDING (SPECIAL)	ACRE	4	
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	900	
28000300	TEMPORARY DITCH CHECKS	EACH	17	
28000400	PERIMETER EROSION BARRIER	FOOT	1518	
28000500	INLET AND PIPE PROTECTION	EACH	5	
28000700	MULCH, METHOD 1	ACRE	4	
28100805	STONE DUMPED RIPRAP, CLASS A3	TON	60	
35100100	AGGREGATE BASE COURSE, TYPE A	TON	5,200	
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	2,500	
40600300	AGGREGATE (PRIME COAT)	TON	25	
42000500	PORTLAND CEMENT CONCRETE PAVEMENT 10'	SQ YD	225	
42001300	PROTECTIVE COAT	SQ YD	710	
44000100	PAVEMENT REMOVAL	SQ YD	150	
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	545	
44002500	GUTTER OUTLET REMOVAL	EACH	1	
44003100	MEDIAN REMOVAL	SQ FT	1,230	
54200427	PIPE CULVERTS, TYPE 1 RCCP 12"	FOOT	127	
54200439	PIPE CULVERTS, TYPE 1 RCCP 24"	FOOT	24	
54201327	PIPE CULVERTS, TYPE 2 RCCP 72"	FOOT	160	
54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	EACH	6	
54213669	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	EACH	1	
54213717	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 72"	EACH	4	
54247230	GRATING FOR CONCRETE FLARED END SECTION 72"	EACH	4	
55019600	STORM SEWERS, TYPE 1, REINFORCED CONCRETE CULVERT, STORM DRAIN, AND SEWER PIPE, CLASS IV 15"	FOOT	329	
60228110	MANHOLES, SANITARY, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	3	
60237000	INLETS, TYPE A, TYPE 15 FRAME AND LID	EACH	5	
60243300	INLETS, SPECIAL, TYPE 3, 5'	EACH	4	
60255500	MANHOLES TO BE ADJUSTED	EACH	1	
60500040	REMOVING MANHOLES	EACH	1	
60603400	GUTTER OUTLET (SPECIAL)	EACH	1	
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	415	
60604400	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18	FOOT	1,082	
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE 6.24	FOOT	132	
60623711	CONCRETE MEDIAN	SQ FT	1,230	
63000000	STEEL PLATE BEAM GUARDRAIL, TYPE A	FOOT	142	
63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	2	
70101700	TRAFFIC CONTROL AND PROTECTION	L SUM	1	
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	3,000	
70400100	TEMPORARY CONCRETE BARRIER	FOOT	220	
72000100	SIGN PANEL - TYPE 1	SQ FT	27	
78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	230	
7800200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	6,452	
78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	243	
7800650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	80	
88600100	DETECTOR LOOP, TYPE 1	FOOT	241	
88600500	DETECTOR LOOP REMOVAL	FOOT	241	
20013798	CONSTRUCTION LAYOUT	L SUM	1	
20056900	SANITARY SEWER 8"	FOOT	180	
D2002960	EVERGREEN, PINUS STROBUS (EASTERN WHITE PINE), 5' HEIGHT, BALLED AND BURLAPPED	EACH	16	
XX000503	SPLIT RAIL FENCE	FOOT	40	
XX006213	METAL POST, SPECIAL	EACH	6	
XX001616	TREE TO BE RELOCATED	EACH	12	
XX006214	LAMP POST TO BE RELOCATED	EACH	1	
XX004568	TEMPORARY ACCESS ROAD	L SUM	1	
X0323381	STORM SEWERS, (WATER MAIN REQUIREMENTS) TYPE 1 12"	FOOT	258	
X4066416	BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX C, N70	TON	650	
X4066616	BITUMINOUS CONCRETE BINDER COURSE, SUPERPAVE, IL-19.0, N70	TON	1,250	



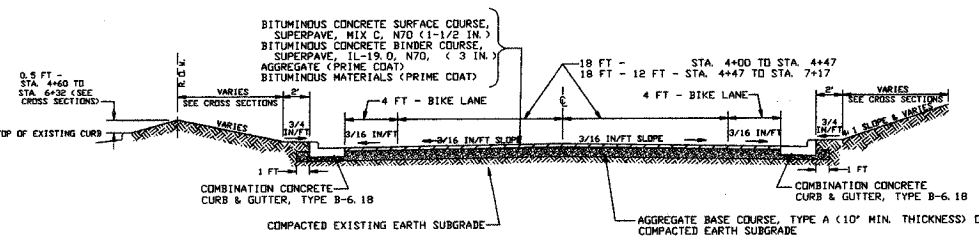
CIP NO. ST0107 - REED STATION ROAD NORTH
TYPICAL SECTIONS, SUMMARY OF QUANTITIES
STRUCTURAL DESIGN DATA AND TRAFFIC CONTROL PLAN



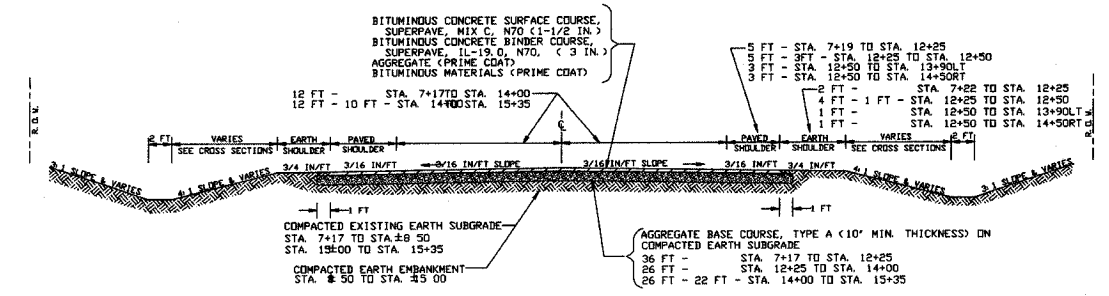
PROPOSED TYPICAL SECTION - STA. 0+40 TO 1+54
NOT TO SCALE



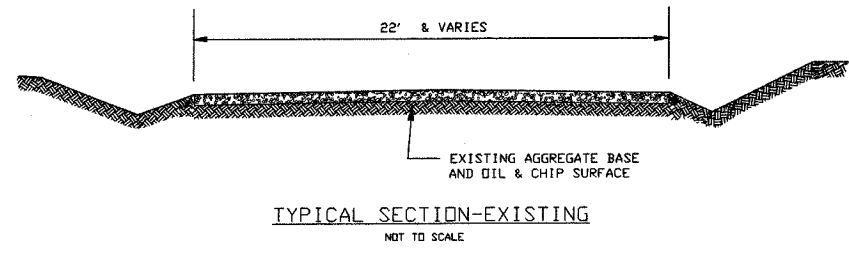
PROPOSED TYPICAL SECTION - STA. 1+54 TO 4+00
NOT TO SCALE



PROPOSED TYPICAL SECTION - STA. 4+00 TO 7+17
NOT TO SCALE

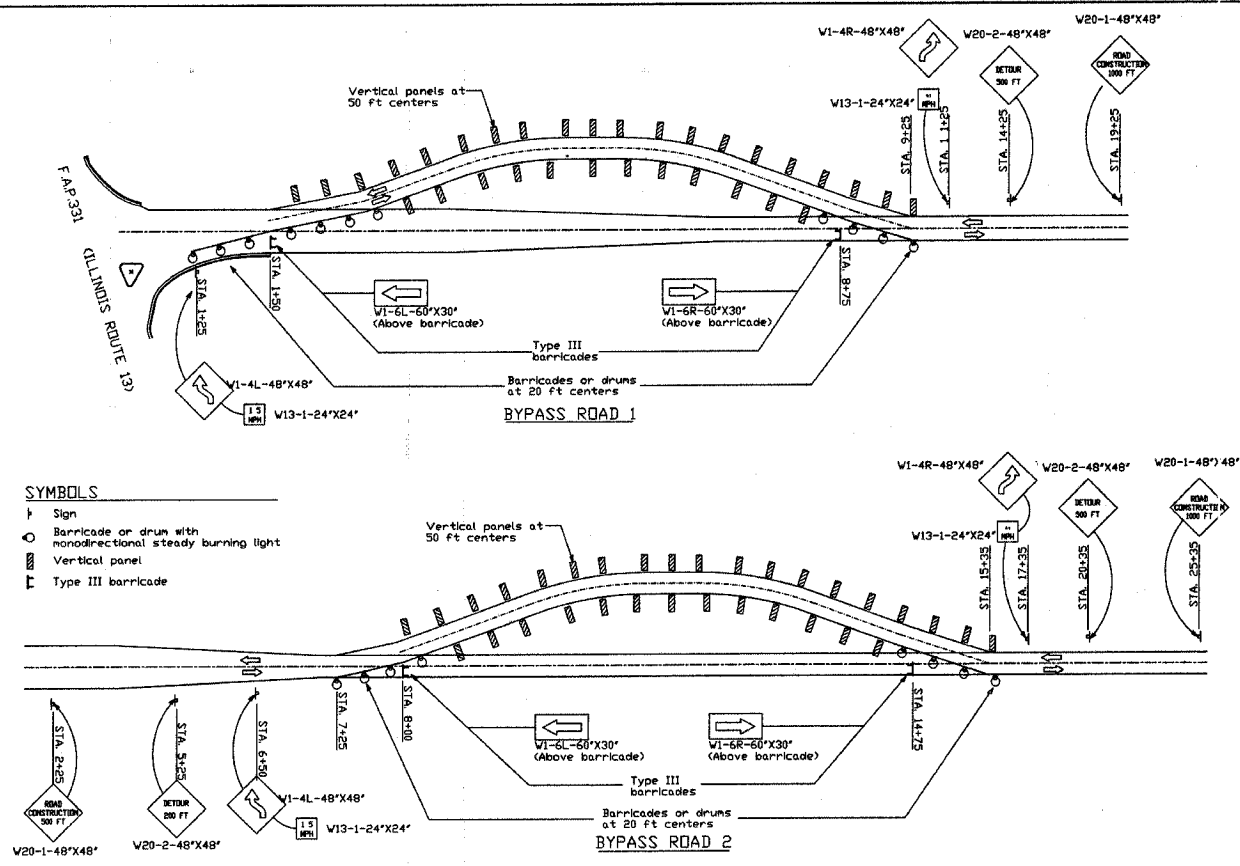


PROPOSED TYPICAL SECTION - STA. 7+17 TO 15+35
NOT TO SCALE

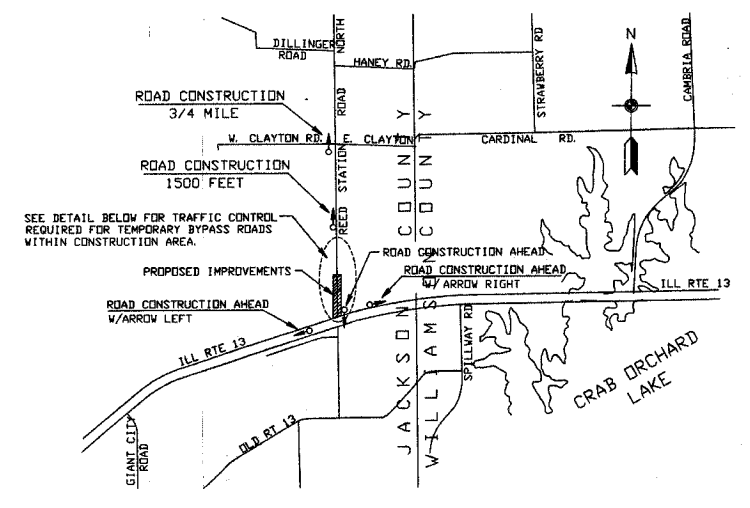


TYPICAL SECTION-EXISTING
NOT TO SCALE

- SYMBOLS**
- Sign
 - Barricade or drum with nondirectional steady burning light
 - Vertical panel
 - Type III barricade



BYPASS ROADS - TRAFFIC CONTROL PLAN



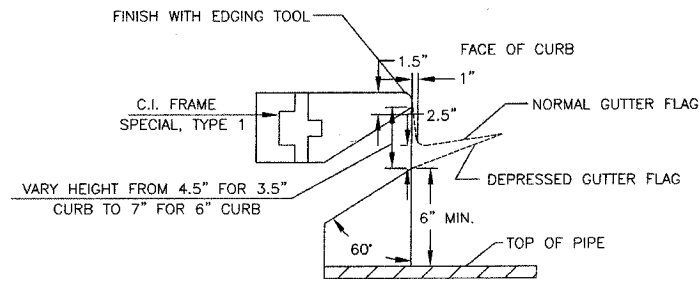
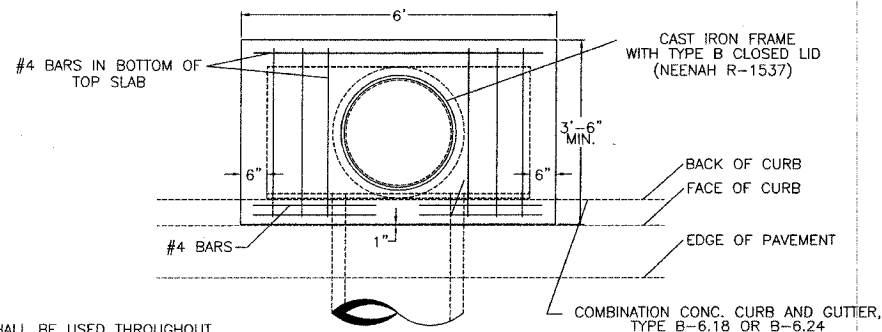
NOTE: ALL SIGNS, BARRICADES & DRUMS SHALL BE EQUIPPED WITH FLASHING YELLOW LIGHTS. SEE SPECIFICATIONS FOR TYPES, SIZES & LOCATION OF SIGNS AND BARRICADES.

TRAFFIC CONTROL PLAN
1" = 3000'

STRUCTURAL DESIGN DATA

DESIGN PERIOD = 20 YEARS
STRUCTURAL DESIGN TRAFFIC: YEAR 2025
PV = 10,345 SU = 95 MU = 40
ROAD/STREET CLASSIFICATION: CLASS II
PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:
P = 50 S = 50 M = 50
TRAFFIC FACTOR = TF = 0.2248
MINIMUM SOIL SUPPORT: IBR = 5.2
MATERIAL COEFFICIENTS:
AGGREGATE BASE COURSE, TYPE A-0.13
BITUMINOUS CONCRETE BINDER COURSE - 0.33
BITUMINOUS CONCRETE SURFACE COURSE - 0.40

F. A. U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
9732	00-00102-00-FF	JACKSON	27	4
JOB NO. C-99-033-33	PROJECT NO. M-500(17)			
CITY OF CARBONDALE		CONTRACT NO. 99175		



NOTES:

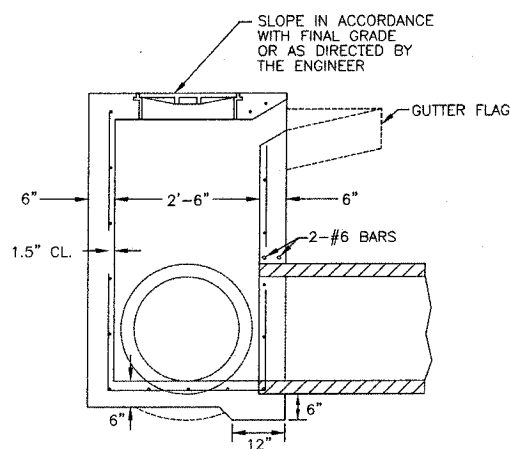
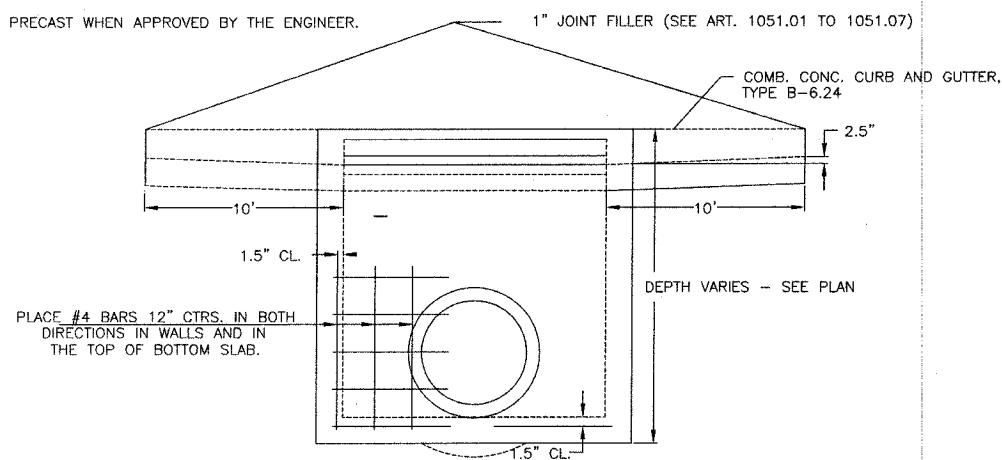
CLASS SI CONCRETE SHALL BE USED THROUGHOUT. SET FACE OF INLET 1" BEHIND FACE OF CURB. DEPRESS GUTTER FLOWLINE AT INLET 2" BELOW NORMAL GUTTER FLOWLINE. CONSTRUCT TRANSITION IN FLOWLINE IN 10 FEET EACH SIDE OF INLET. PIPES TO BE CONNECTED TO INLET AS SHOWN ON STORM SEWER LAYOUT.

INLETS WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR INLETS, SPECIAL, TYPE 3, 5 FEET WHICH PRICE SHALL INCLUDE THE CAST IRON FRAME WITH TYPE B CLOSED LID, THE REINFORCEMENT BARS, AND JOINT FILLER.

INLETS MAY BE PRECAST WHEN APPROVED BY THE ENGINEER.

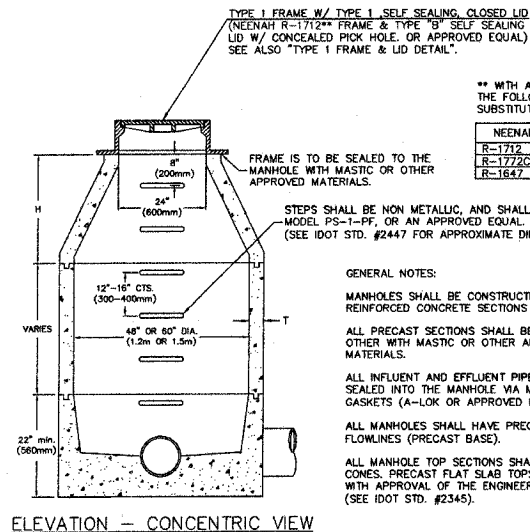
PLAN

DETAIL AT WEIR



ELEVATION

SECTION



NEENAH NO.	FRAME HEIGHT
R-1712	9" (228mm)
R-1772C	7" (178mm)
R-1647	4" (100mm)

GENERAL NOTES:

MANHOLES SHALL BE CONSTRUCTED OF PRECAST, REINFORCED CONCRETE SECTIONS ONLY.

ALL PRECAST SECTIONS SHALL BE SEALED TO EACH OTHER WITH MASTIC OR OTHER APPROVED MATERIALS.

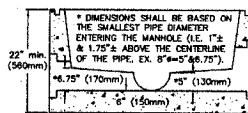
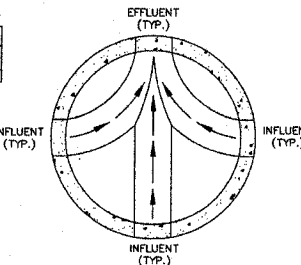
ALL INFLUENT AND EFFLUENT PIPES SHALL BE SEALED INTO THE MANHOLE VIA MEANS OF RUBBER GASKETS (A-LOK OR APPROVED EQUAL).

ALL MANHOLES SHALL HAVE PRECAST INVERTS AND FLOWLINES (PRECAST BASE).

ALL MANHOLE TOP SECTIONS SHALL BE ECCENTRIC CONES. PRECAST FLAT SLAB TOPS MAY BE USED WITH APPROVAL OF THE ENGINEER (SEE IDOT STD. #2345).

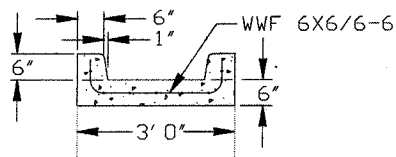
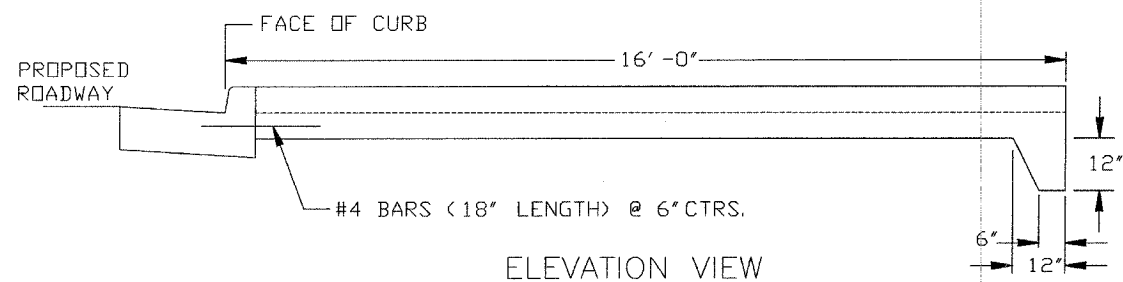
DIMENSION	48" (1.2m)	60" (1.5m)
T. THICKNESS	4" (100mm)	3" (75mm)
L. COKE HEIGHT*	30" (750mm)	43" (1.1m)

*MAY VARY TO PLUS 6" (150mm) FROM GIVEN DIM.



MANHOLE, TYPE A (SANITARY)
NTS

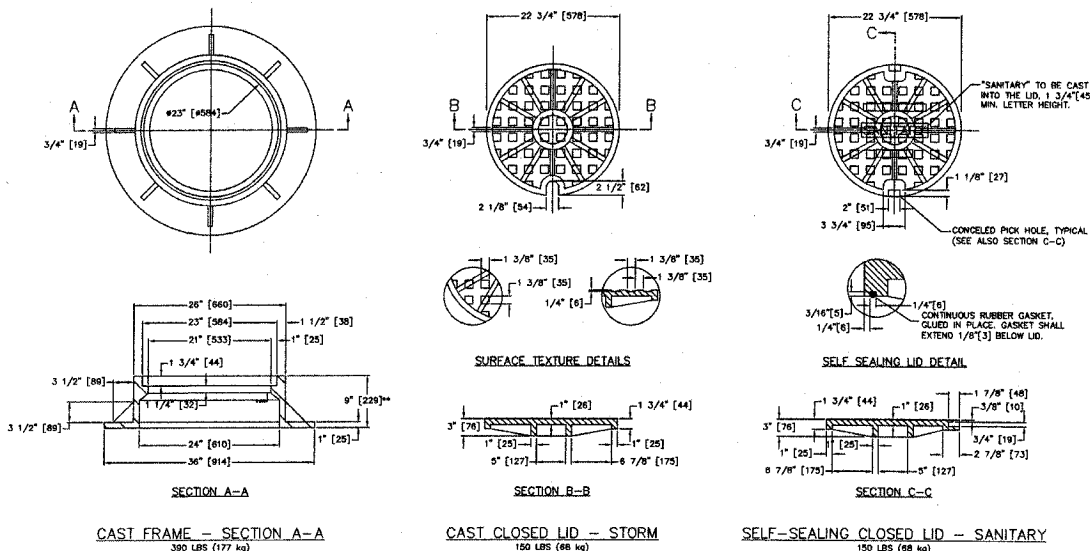
DETAILS OF INLET SPECIAL, TYPE 3,
5 FEET
NTS



ELEVATION VIEW

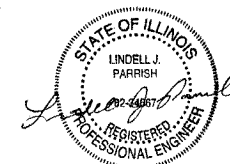
SECTION VIEW

DETAILS OF CONCRETE GUTTER OUTLET (SPECIAL)
NTS



NOTES: ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE NOTED.
*MAY VARY WITH ENGINEER APPROVAL (I.E. 7\"/>

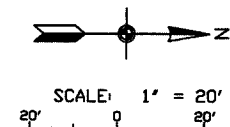
TYPE 1 FRAME & LID DETAILS
NTS



F. A. U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
9732	00-00102-00-FP	JACKSON	27	5
JOB NO. C-99-033-03	PROJECT NO. M-5008(17)			
CITY OF CARBONDALE	CONTRACT NO. 99175			

LEGEND

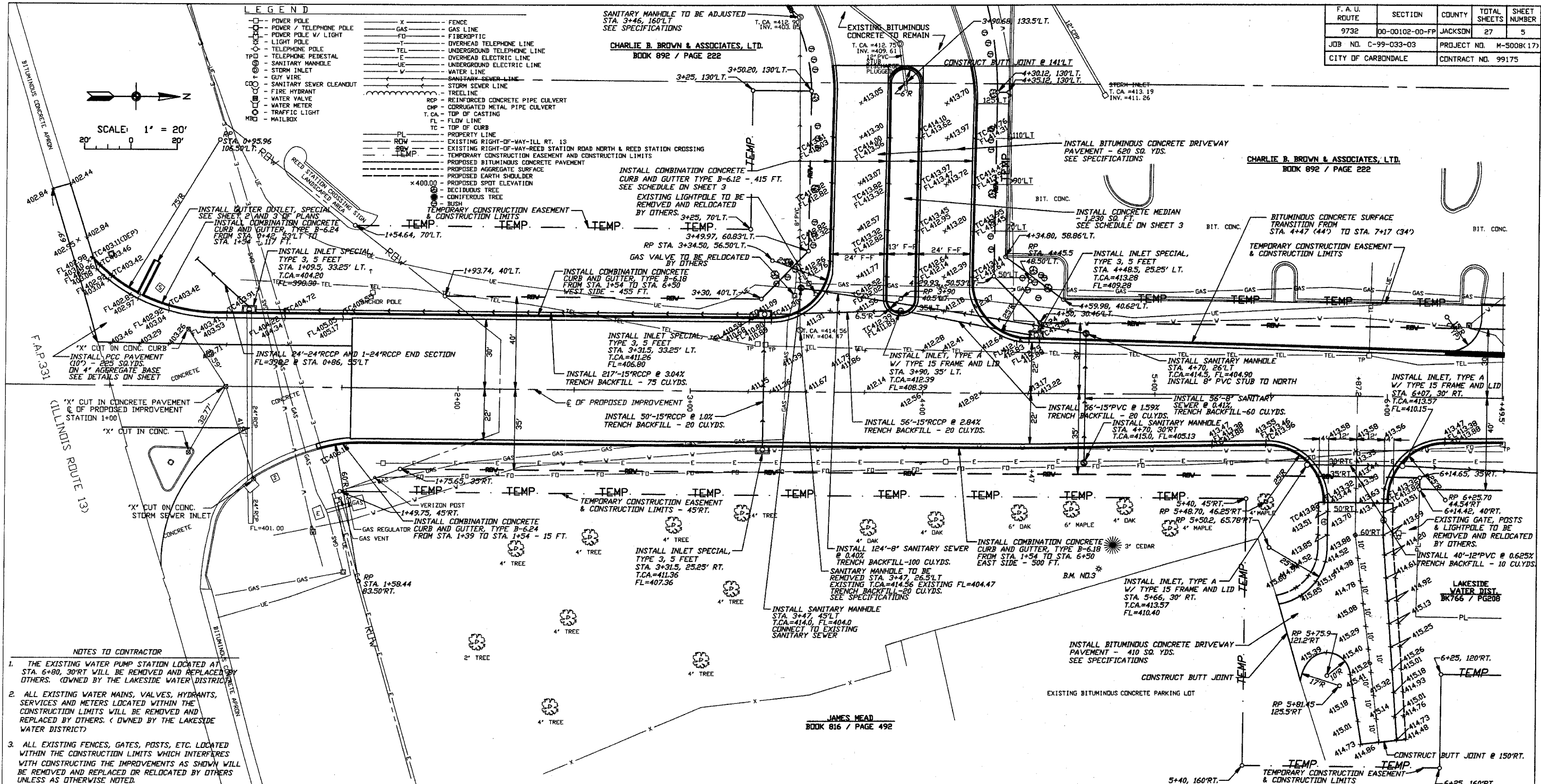
- POWER POLE
- POWER / TELEPHONE POLE
- POWER POLE W/ LIGHT
- LIGHT POLE
- TELEPHONE POLE
- TELEPHONE PEDESTAL
- SANITARY MANHOLE
- STORM INLET
- GUY WIRE
- SANITARY SEWER CLEANOUT
- FIRE HYDRANT
- WATER VALVE
- WATER METER
- TRAFFIC LIGHT
- MAILBOX



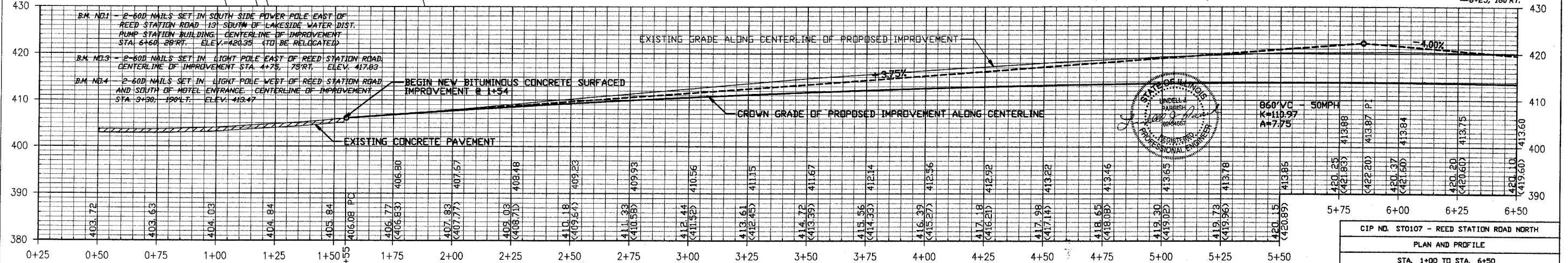
SANITARY MANHOLE TO BE ADJUSTED
STA. 3+46, 160'L.T.
SEE SPECIFICATIONS

CHARLIE B. BROWN & ASSOCIATES, LTD.
BOOK 892 / PAGE 222

CHARLIE B. BROWN & ASSOCIATES, LTD.
BOOK 892 / PAGE 222



- NOTES TO CONTRACTOR**
- THE EXISTING WATER PUMP STATION LOCATED AT STA. 6+80, 30'RT WILL BE REMOVED AND REPLACED BY OTHERS. (OWNED BY THE LAKE SIDE WATER DISTRICT)
 - ALL EXISTING WATER MAINS, VALVES, HYDRANTS, SERVICES AND METERS LOCATED WITHIN THE CONSTRUCTION LIMITS WILL BE REMOVED AND REPLACED BY OTHERS. (OWNED BY THE LAKE SIDE WATER DISTRICT)
 - ALL EXISTING FENCES, GATES, POSTS, ETC. LOCATED WITHIN THE CONSTRUCTION LIMITS WHICH INTERFERES WITH CONSTRUCTING THE IMPROVEMENTS AS SHOWN WILL BE REMOVED AND REPLACED OR RELOCATED BY OTHERS UNLESS AS OTHERWISE NOTED.



CIP NO.	STATION	ELEVATION
860 VC	50MPH	K+119.97 A+7.75
420.25	(421.83)	413.88
422.20	413.87	P
420.37	(421.60)	413.84
420.20	(420.60)	413.75
420.10	(419.60)	413.60

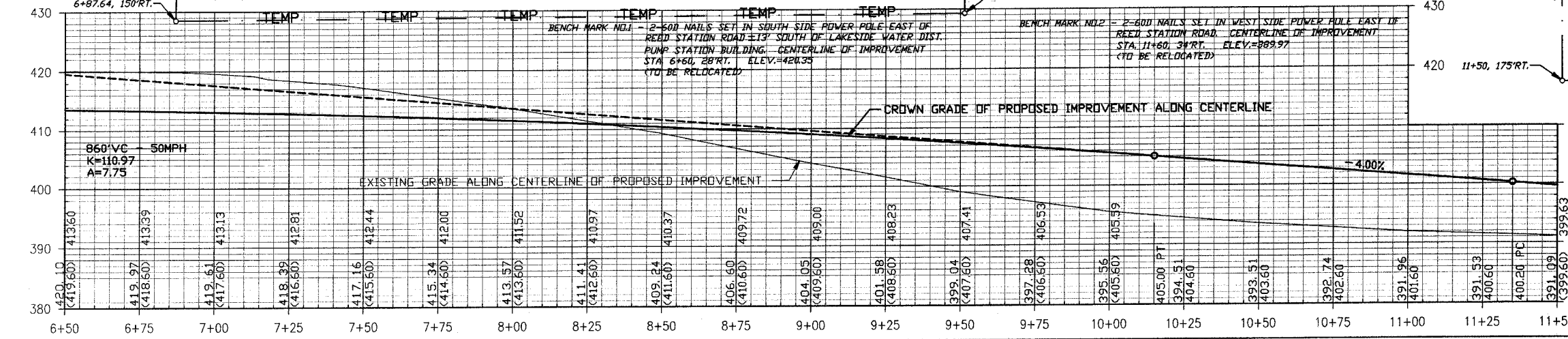
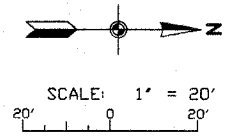
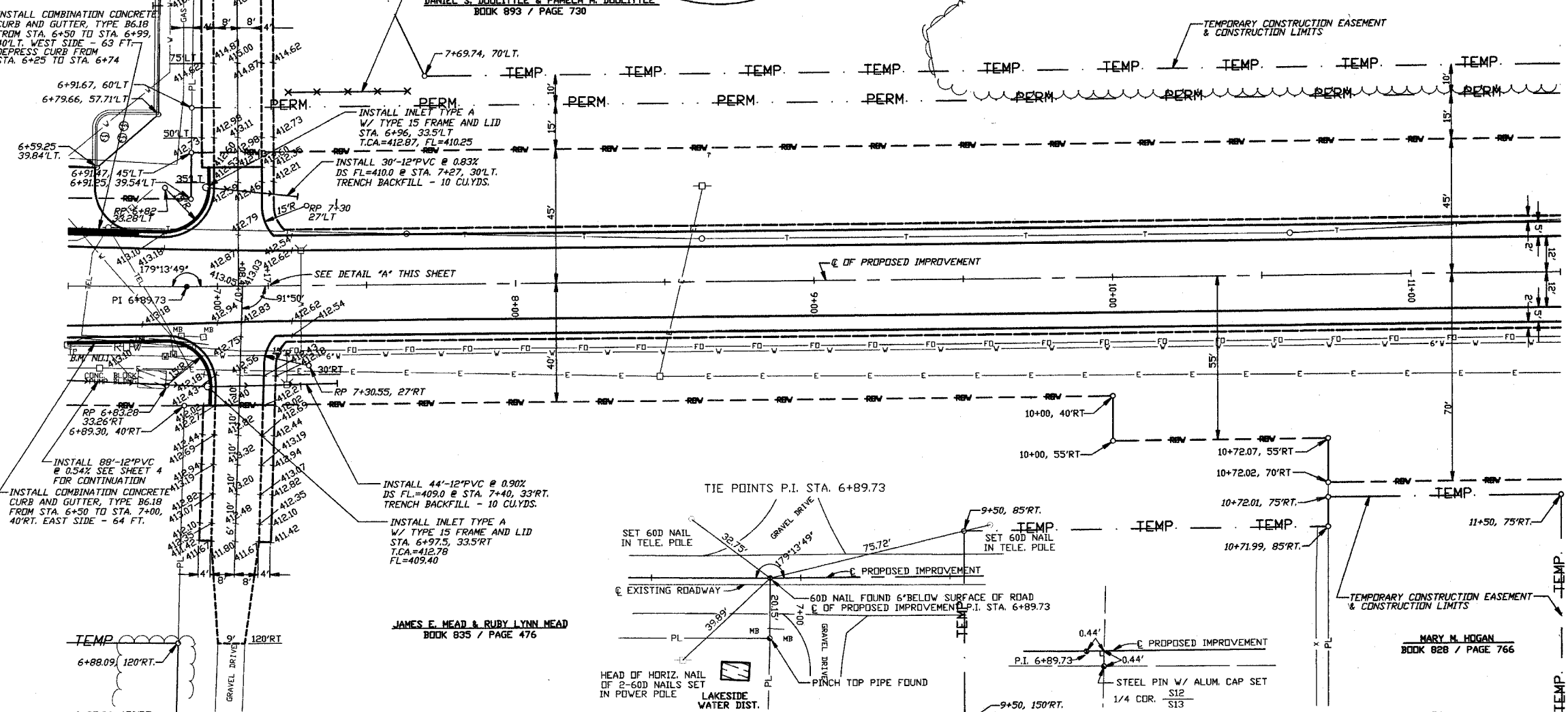
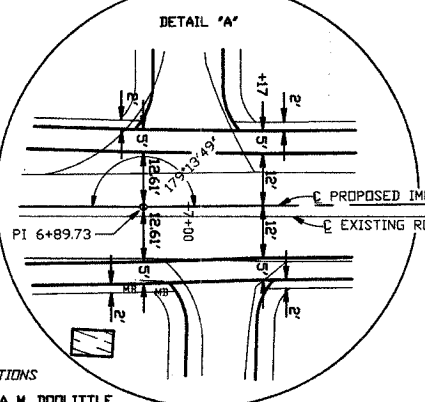
CIP NO. ST0107 - REED STATION ROAD NORTH
PLAN AND PROFILE
STA. 1+00 TO STA. 6+50

F. A. U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
9732	00-00102-00-FP	JACKSON	27	6
JOB NO. C-99-033-03	PROJECT NO. M-5008(17)			
CITY OF CARBONDALE		CONTRACT NO. 99175		

CHARLIE B. BROWN & ASSOCIATES, LTD.
BOOK 892 / PAGE 222

LEGEND

□	POWER POLE	— X —	FENCE
○	POWER / TELEPHONE POLE	— G —	GAS LINE
—	POWER POLE W/ LIGHT	— FD —	FIBEROPTIC LINE
○	LIGHT POLE	— T —	OVERHEAD TELEPHONE LINE
○	TELEPHONE POLE	— TEL —	UNDERGROUND TELEPHONE LINE
○	TELEPHONE PEDESTAL	— UE —	UNDERGROUND ELECTRIC LINE
○	SANITARY MANHOLE	— U —	UNDERGROUND ELECTRIC LINE
○	STORM INLET	— V —	WATER LINE
○	GUY WIRE	— S —	SANITARY SEWER LINE
○	SANITARY SEWER CLEANOUT	— SS —	STORM SEWER LINE
○	FIRE HYDRANT	— TR —	TREELINE
○	WATER VALVE	— RCP —	REINFORCED CONCRETE PIPE CULVERT
○	WATER METER	— CMP —	CORRUGATED METAL PIPE CULVERT
○	TRAFFIC LIGHT	— T.C.A. —	TOP OF CASTING
○	MAILBOX	— FL —	FLOW LINE
		— TC —	TOP OF CURB
		— PL —	PROPERTY LINE
		— RW —	EXISTING RIGHT-OF-WAY-REED STATION ROAD NORTH & REED STATION CROSSING
		— TEMP. —	TEMPORARY CONSTRUCTION EASEMENT AND CONSTRUCTION LIMITS
		— PERM. —	PERMANENT CONSTRUCTION EASEMENT
		— P —	PROPOSED BITUMINOUS CONCRETE PAVEMENT
		— A —	PROPOSED AGGREGATE SURFACE
		— E —	PROPOSED EARTH SHOULDER
		— S —	PROPOSED SPOT ELEVATION
		— D —	DECIDUOUS TREE
		— C —	CONIFEROUS TREE
		— B —	BUSH



CONTRACTOR TO INSTALL
40" - NEW SPLIT RAIL
WOOD FENCE. SEE SPECIFICATIONS
DANIEL S. DOOLITTLE & PAMELA M. DOOLITTLE
BOOK 893 / PAGE 730

JAMES E. HEAD & RUBY LYNN HEAD
BOOK 835 / PAGE 476

MARY M. HOGAN
BOOK 828 / PAGE 766



CIP NO. ST0107 - REED STATION ROAD NORTH
PLAN AND PROFILE
STA. 6+50 TO STA. 11+50

F. A. U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
9792	00-00102-00-FP	JACKSON	27	7
JOB NO. C-99-033-03	PROJECT NO. M-5008(17)			
CITY OF CARBONDALE	CONTRACT NO. 99175			

DANIEL S. DOOLITTLE & PAMELA M. DOOLITTLE
BOOK 893 / PAGE 730

DANIEL S. DOOLITTLE & PAMELA M. DOOLITTLE
BOOK 893 / PAGE 730

C. DAVID PONCE-CAMPOS & BETH ANN PONCE
BOOK 0700 / PAGE 858

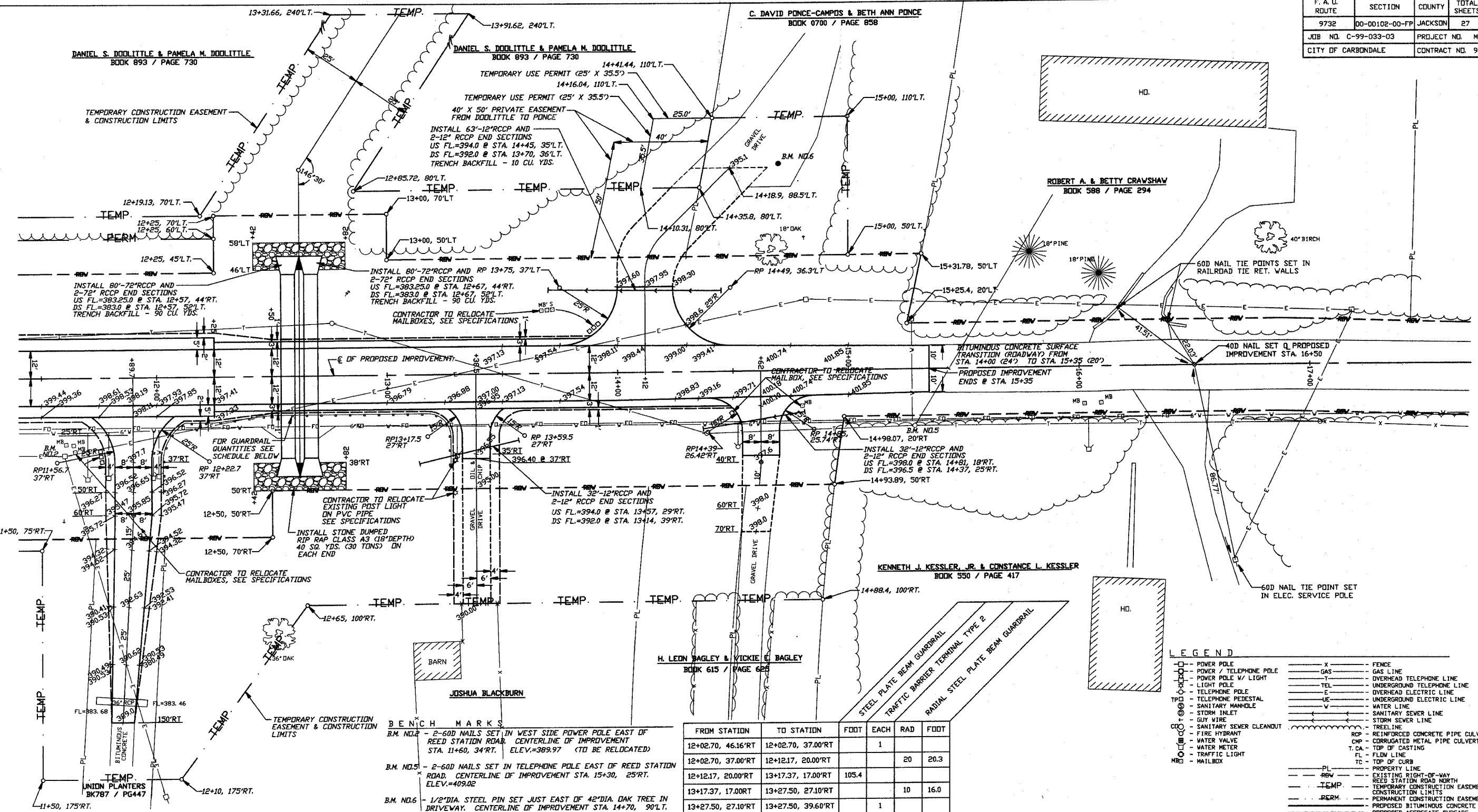
ROBERT A. & BETTY CRAWSHAW
BOOK 588 / PAGE 294

KENNETH J. KESSLER, JR. & CONSTANCE L. KESSLER
BOOK 550 / PAGE 417

H. LEDN BAGLEY & VICKIE E. BAGLEY
BOOK 615 / PAGE 628

JOSHUA BLACKBURN

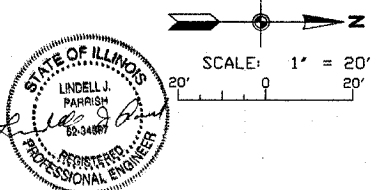
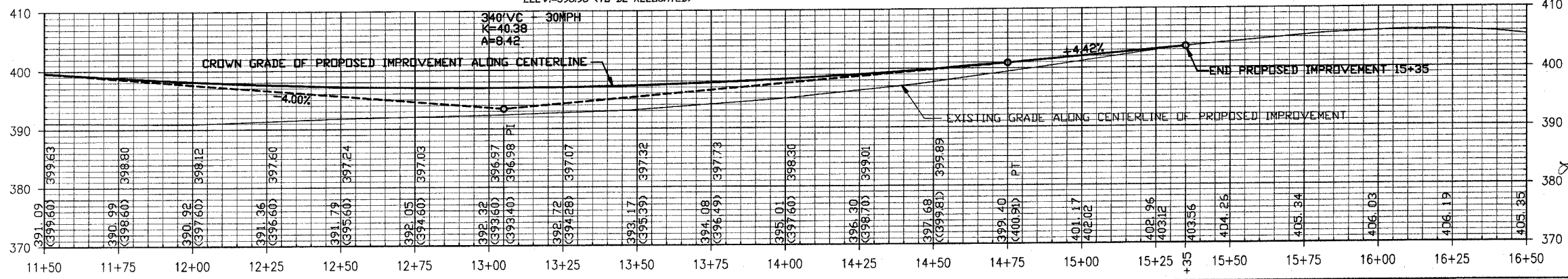
UNION PLANTERS
BK787 / PG447



- BENCH MARKS**
- B.M. NO. 2 - 2-60D NAILS SET IN WEST SIDE POWER POLE EAST OF REED STATION ROAD. CENTERLINE OF IMPROVEMENT STA. 11+60, 34'RT. ELEV.=389.97 (TO BE RELOCATED)
 - B.M. NO. 5 - 2-60D NAILS SET IN TELEPHONE POLE EAST OF REED STATION ROAD. CENTERLINE OF IMPROVEMENT STA. 15+30, 25'RT. ELEV.=409.02
 - B.M. NO. 6 - 1/2" DIA. STEEL PIN SET JUST EAST OF 42" DIA. OAK TREE IN DRIVEWAY. CENTERLINE OF IMPROVEMENT STA. 14+70, 90'LT. ELEV.=396.98 (TO BE RELOCATED)

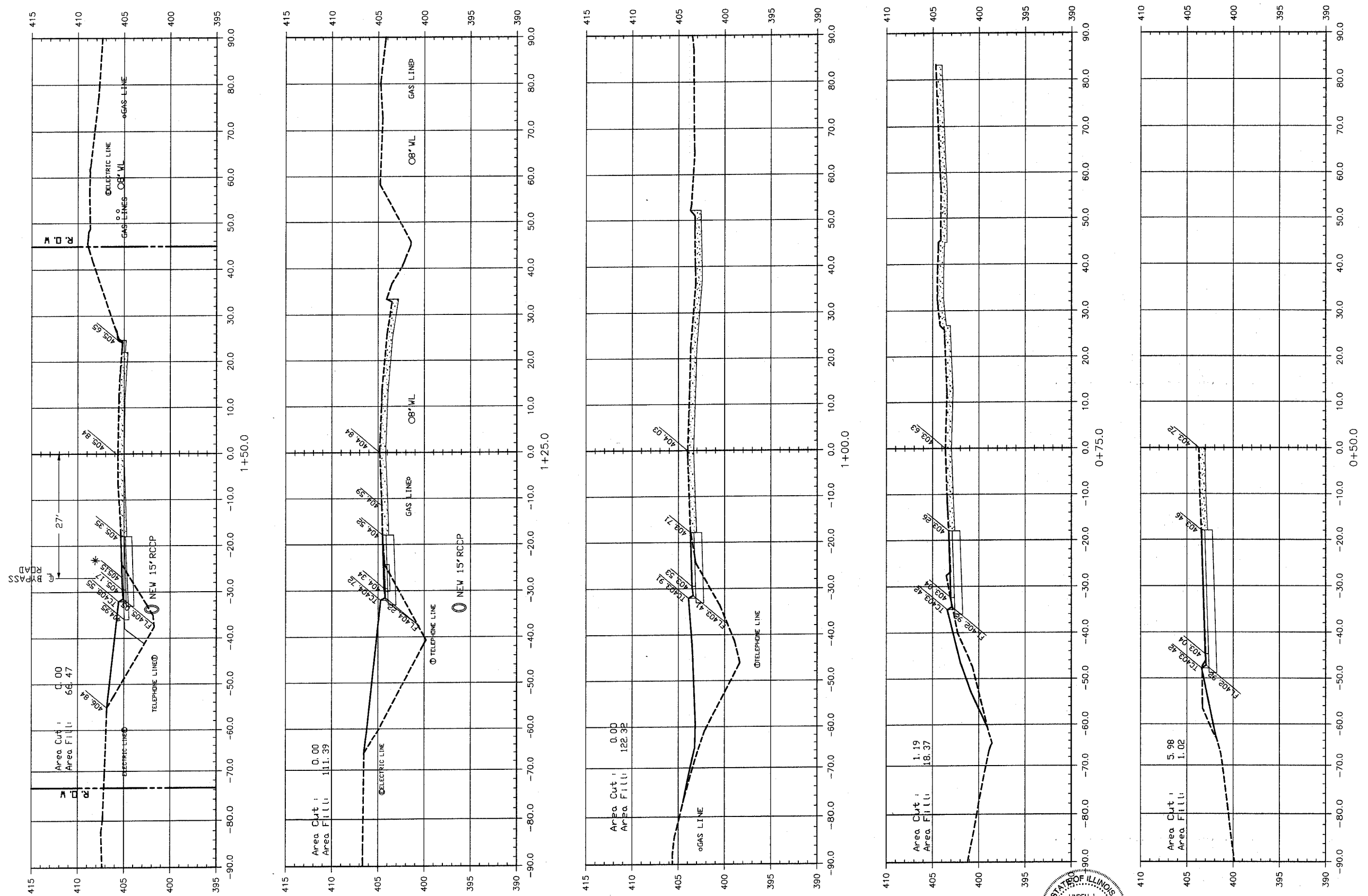
FROM STATION	TO STATION	FOOT	EACH	RAD	FOOT
12+02.70, 46.16'RT	12+02.70, 37.00'RT		1		
12+02.70, 37.00'RT	12+12.17, 20.00'RT			20	20.3
12+12.17, 20.00'RT	13+17.37, 17.00'RT	105.4			
13+17.37, 17.00'RT	13+27.50, 27.10'RT			10	16.0
13+27.50, 27.10'RT	13+27.50, 39.60'RT		1		

- LEGEND**
- POWER POLE
 - POWER / TELEPHONE POLE
 - UNDERGROUND TELEPHONE LINE
 - TELEPHONE POLE
 - TELEPHONE PEDESTAL
 - SANITARY MANHOLE
 - GUY WIRE
 - SANITARY SEWER CLEANOUT
 - FIRE HYDRANT
 - WATER VALVE
 - WATER METER
 - TRAFFIC LIGHT
 - MAILBOX
 - FENCE
 - GAS LINE
 - OVERHEAD TELEPHONE LINE
 - UNDERGROUND TELEPHONE LINE
 - OVERHEAD ELECTRIC LINE
 - UNDERGROUND ELECTRIC LINE
 - WATER LINE
 - SANITARY SEWER LINE
 - STORM SEWER LINE
 - TREELINE
 - REINFORCED CONCRETE PIPE CULVERT
 - CORRUGATED METAL PIPE CULVERT
 - TIP OF CASTING
 - FLOW LINE
 - TOP OF CURB
 - PROPERTY LINE
 - EXISTING RIGHT-OF-WAY
 - REED STATION ROAD NORTH
 - TEMPORARY CONSTRUCTION EASEMENT AND CONSTRUCTION LIMITS
 - PERMANENT CONSTRUCTION EASEMENT
 - PROPOSED BITUMINOUS CONCRETE PAVEMENT
 - PROPOSED AGGREGATE SURFACE
 - PROPOSED EARTH SHOULDER
 - PROPOSED SPOT ELEVATION
 - DECIDUOUS TREE
 - CONIFEROUS TREE
 - BUSH

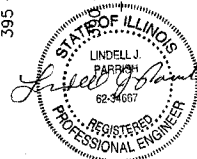


CIP NO. ST0107 - REED STATION ROAD NORTH
PLAN AND PROFILE
STA. 11+50 TO STA. 15+50

F. A. U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
9732	00-00102-00-FP	JACKSON	27	8
JOB NO.	C-99-033-03	PROJECT NO.	M-5008(17)	
CITY OF CARBONDALE		CONTRACT NO. 99175		

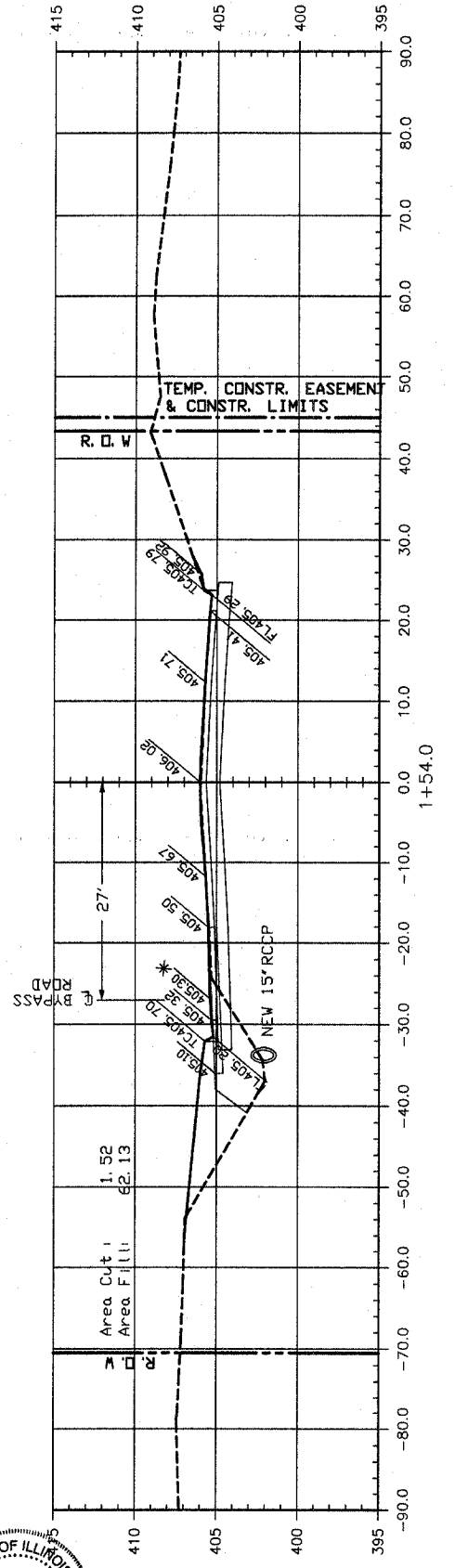
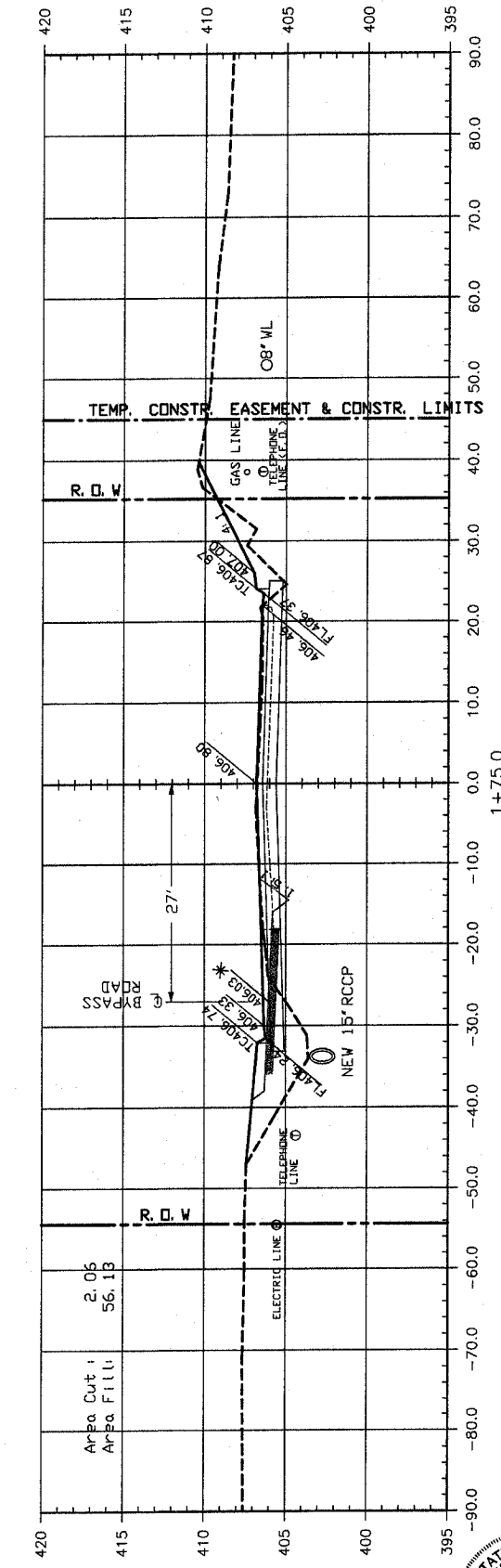
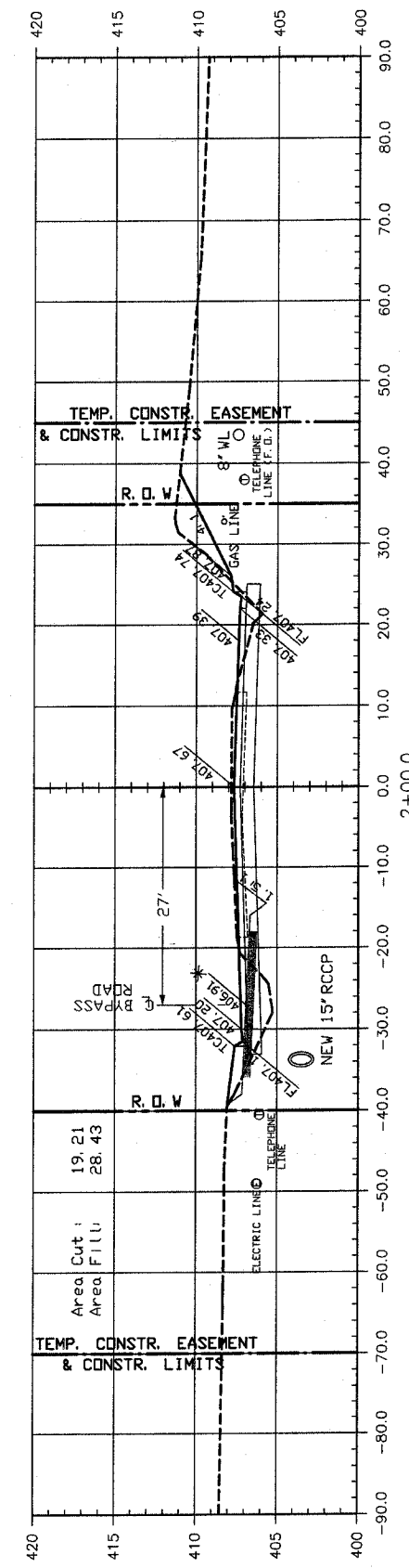
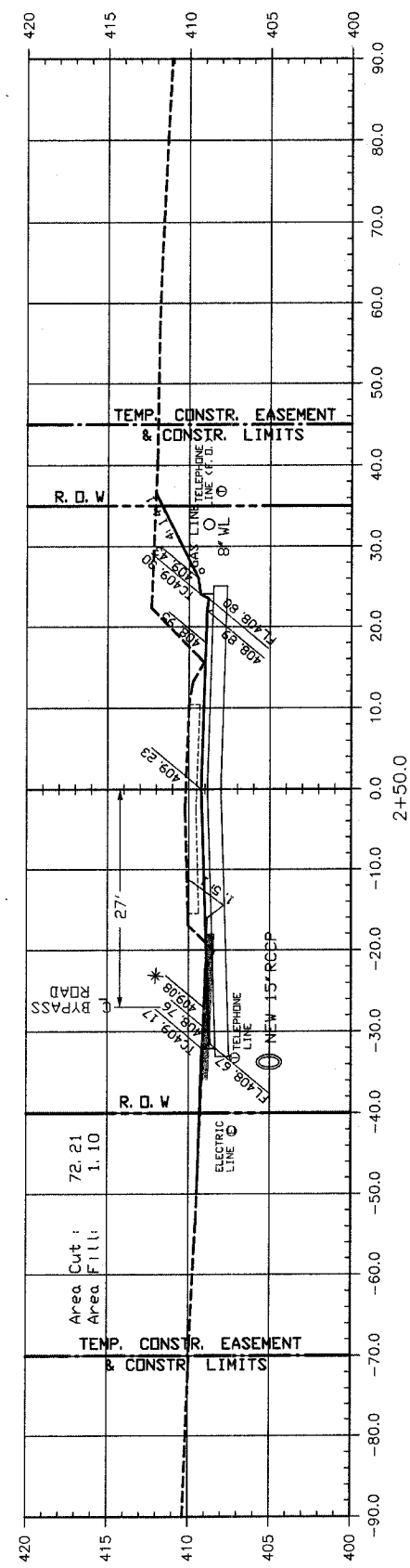
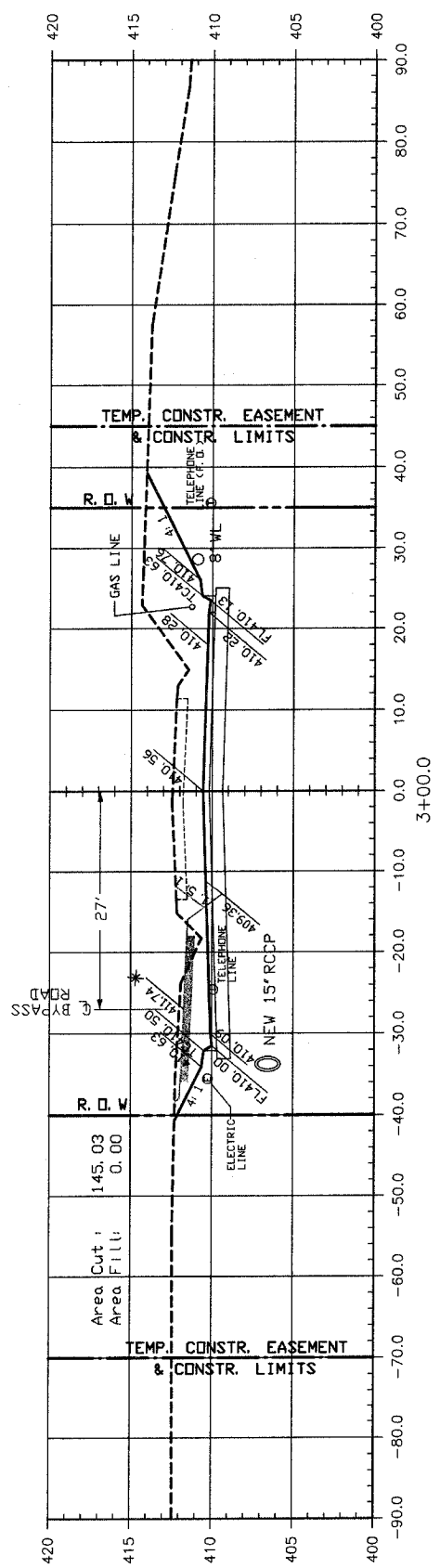


- NOTES:
1. CUT AND FILL AREA SHOWN ARE TO FINISH GRADE
 2. SHADED AREA DENOTES TEMPORARY BYPASS ROAD 1.
 3. HATCHED AREA DENOTES TEMPORARY BYPASS ROAD 2.
 4. 400.0 * PROPOSED CENTERLINE ELEV. TEMPORARY BYPASS ROADS

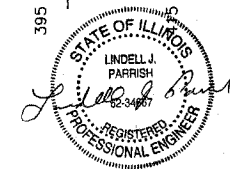


CIP NO. ST0107 - REED STATION ROAD NORTH
 CROSS SECTIONS
 STA. 0+50 TO STA. 1+50

F. A. U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
9732	00-00102-00-FP	JACKSON	27	9
JOB NO. C-99-033-03	PROJECT NO. M-5008(17)			
CITY OF CARBONDALE	CONTRACT NO. 99175			

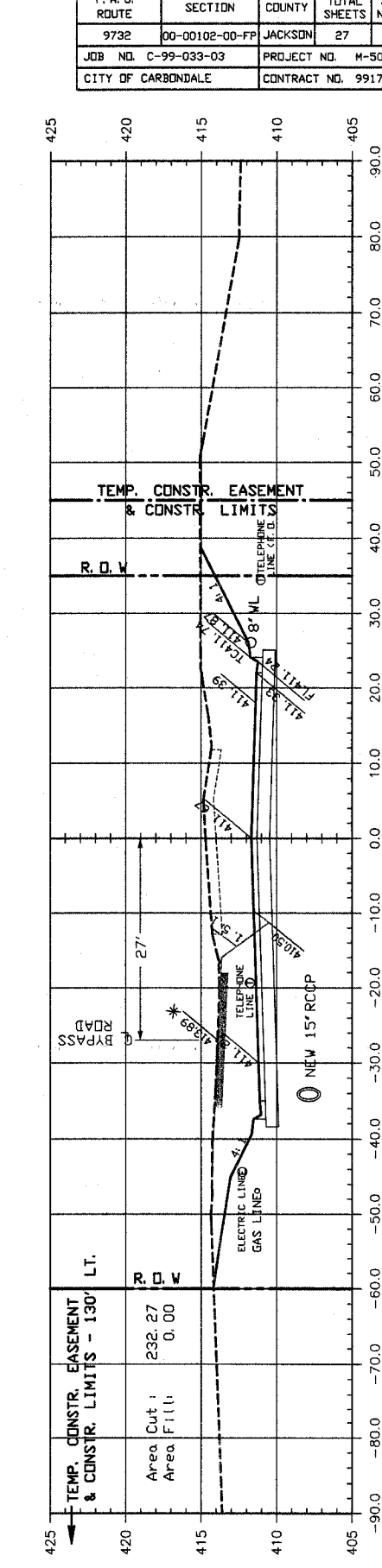
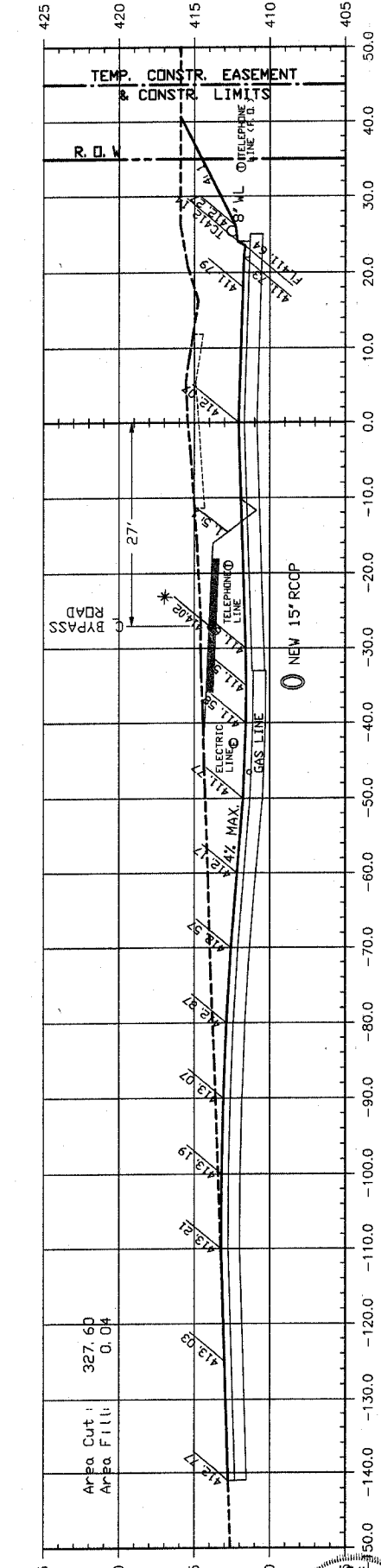
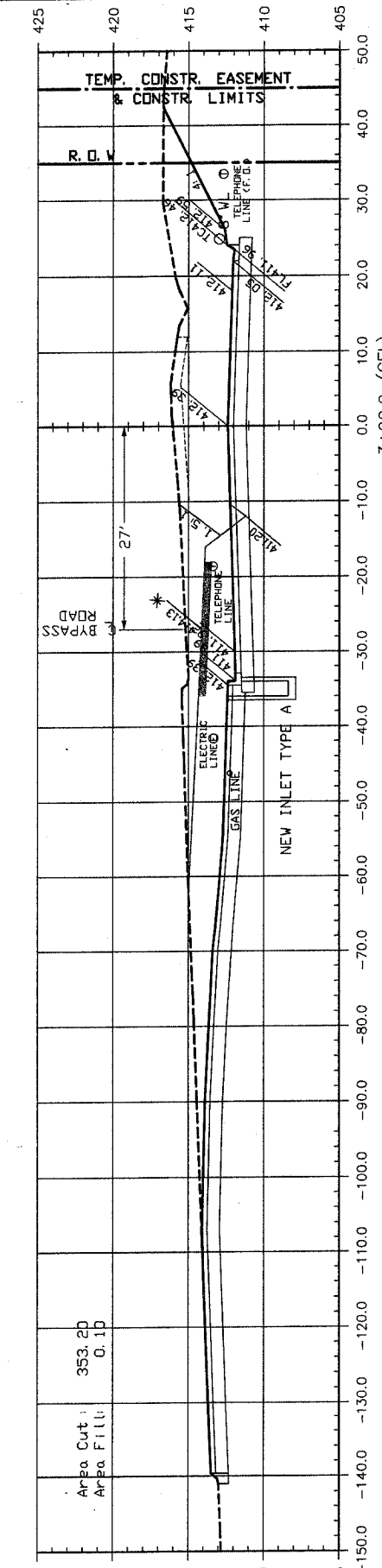
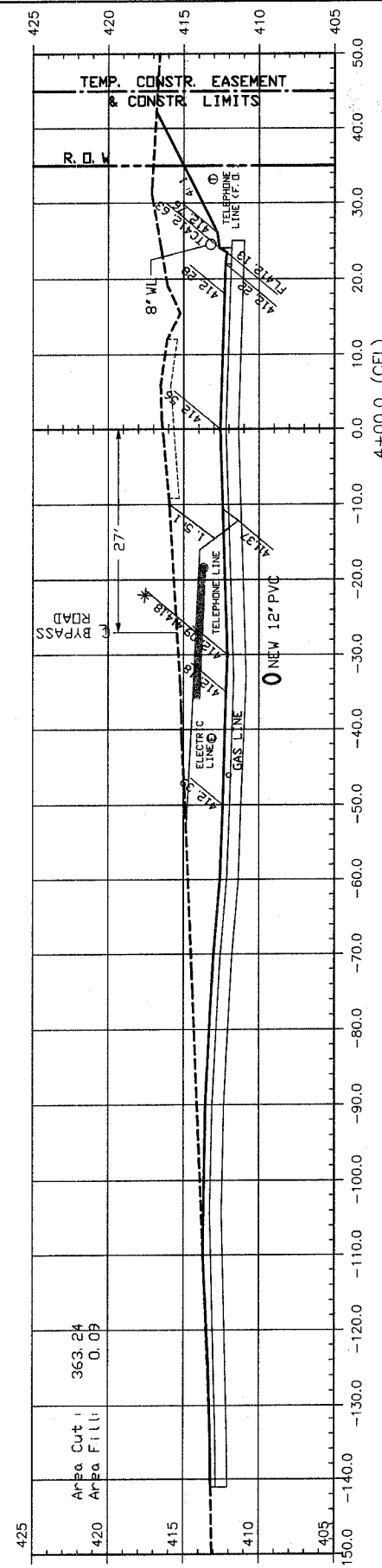
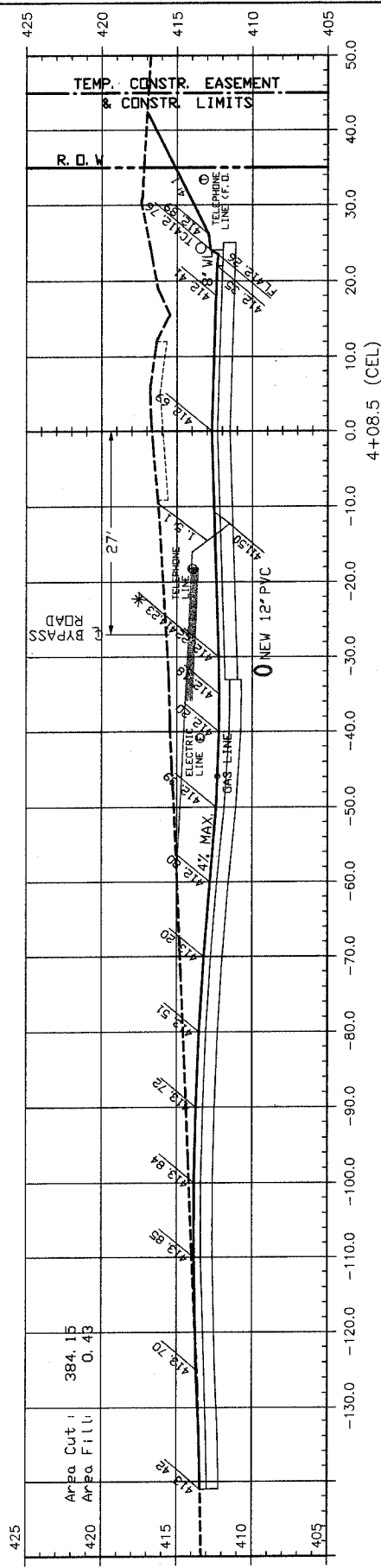
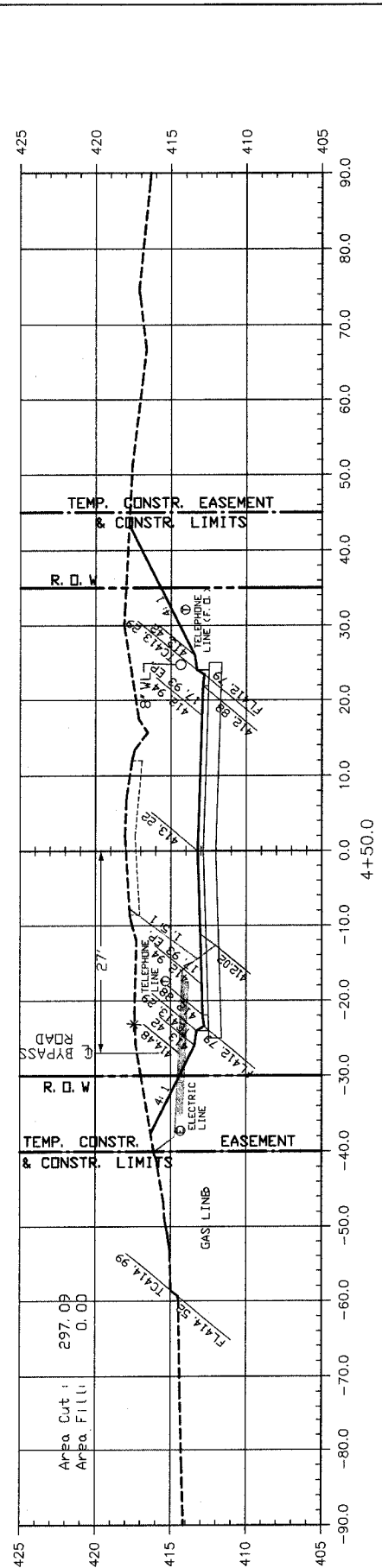


- NOTES:
1. CUT AND FILL AREA SHOWN ARE TO FINISH GRADE
 2. SHADED AREA DENOTES TEMPORARY BYPASS ROAD 1.
 3. HATCHED AREA DENOTES TEMPORARY BYPASS ROAD 2.
 4. 400.0 * PROPOSED CENTERLINE ELEV., TEMPORARY BYPASS ROADS

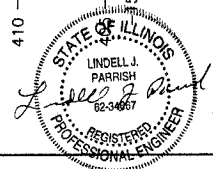


CIP NO. ST0107 - REED STATION ROAD NORTH
 CROSS SECTIONS
 STA. 1+75 TO STA. 3+00

F. A. U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
9732	00-00102-00-PP	JACKSON	27	10
JOB NO. C-99-033-03	PROJECT NO. M-5008(17)			
CITY OF CARBONDALE	CONTRACT NO. 99175			

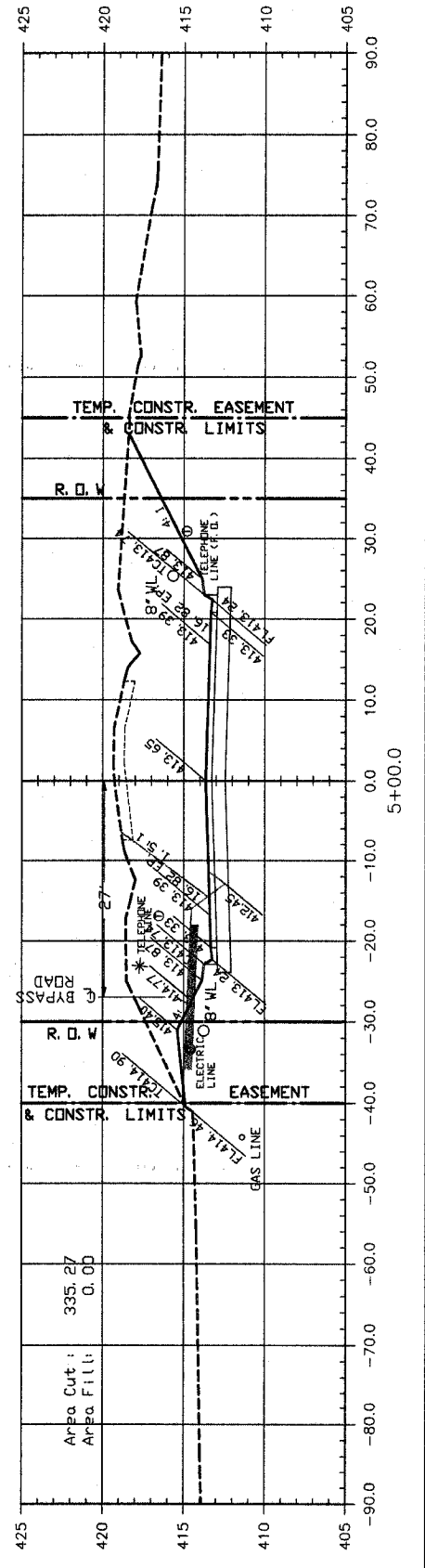
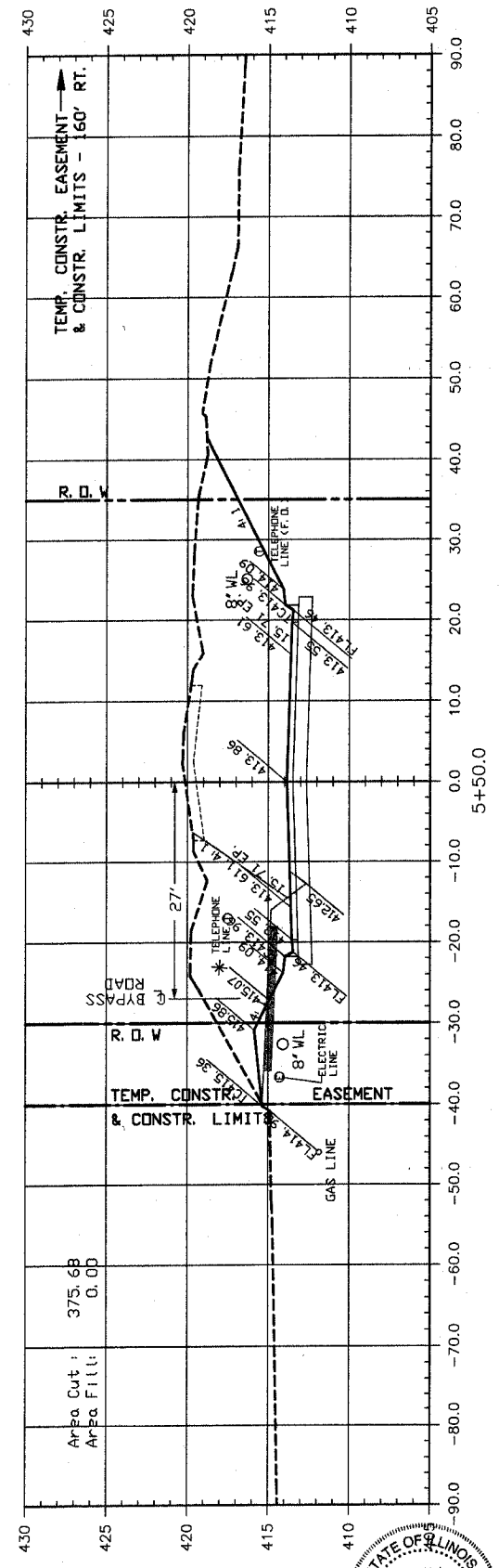
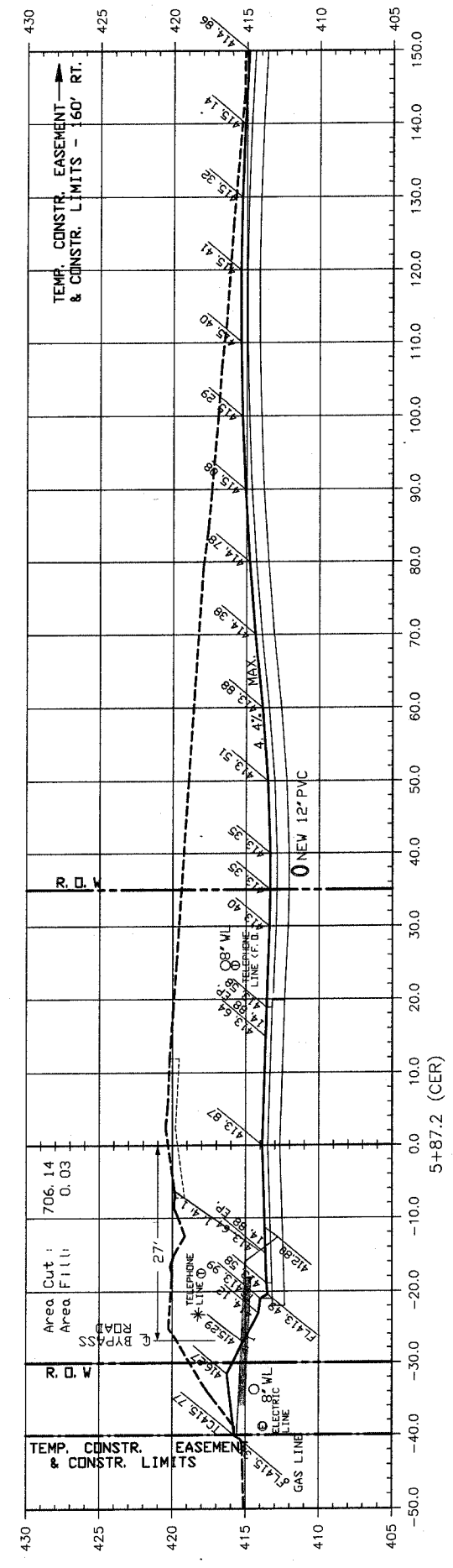
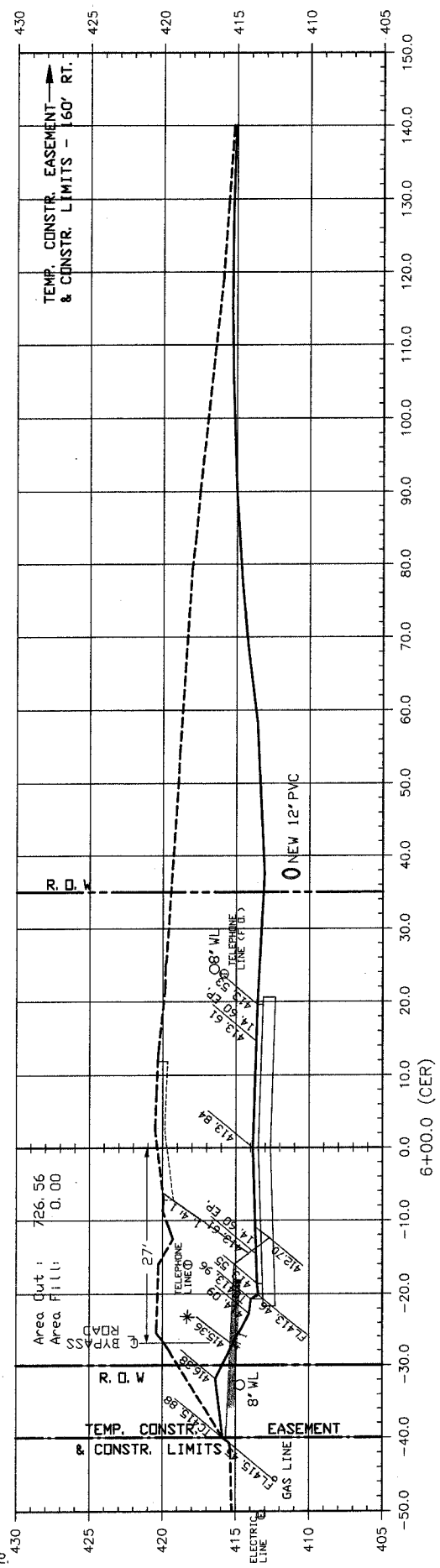
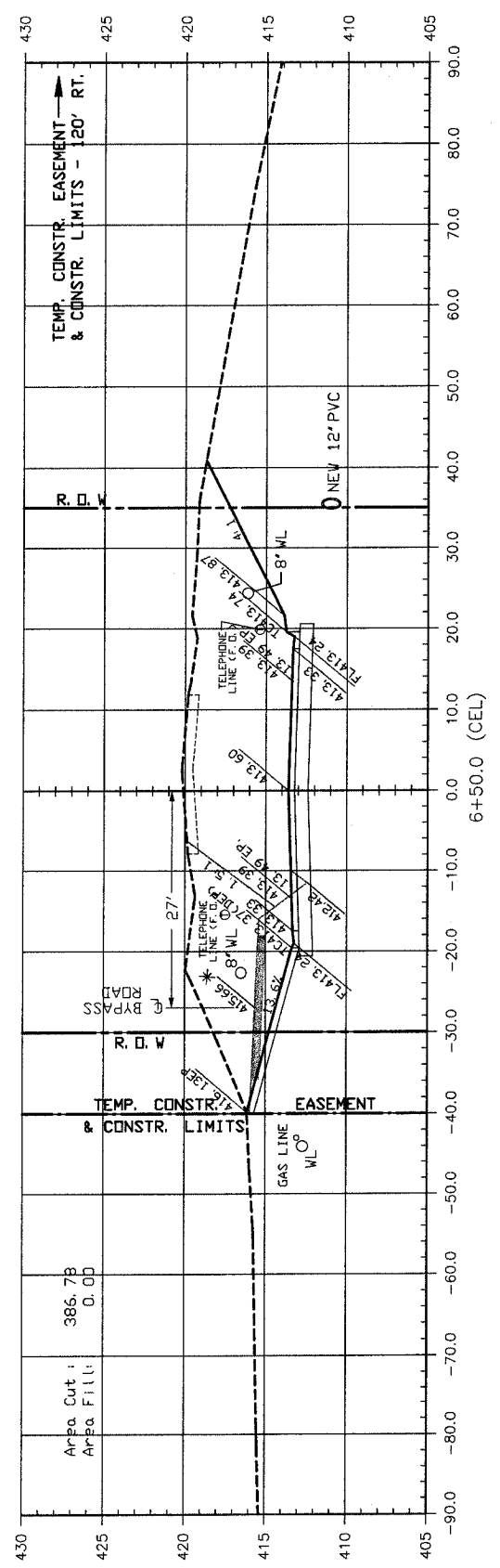


- NOTES:
1. CUT AND FILL AREA SHOWN ARE TO FINISH GRADE
 2. SHADED AREA DENOTES TEMPORARY BYPASS ROAD 1.
 3. HATCHED AREA DENOTES TEMPORARY BYPASS ROAD 2.
 4. 4000 * PROPOSED CENTERLINE ELEV. TEMPORARY BYPASS ROADS

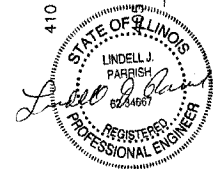


CIP NO. ST0107 - REED STATION ROAD NORTH
 CROSS SECTIONS
 STA. 3+50 TO STA. 4+50

F. A. U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
9732	00-00102-00-FP	JACKSON	27	11
JOB NO. C-99-033-03		PROJECT NO. M-5008(17)		
CITY OF CARBONDALE		CONTRACT NO. 99175		

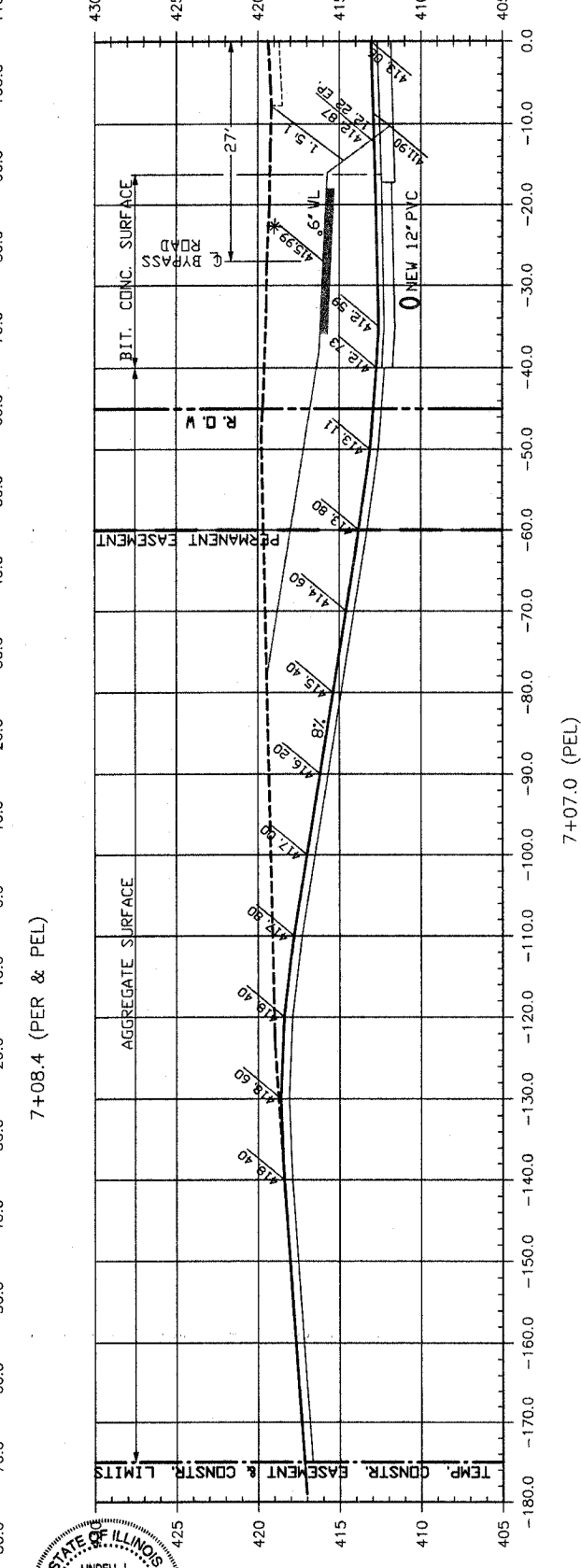
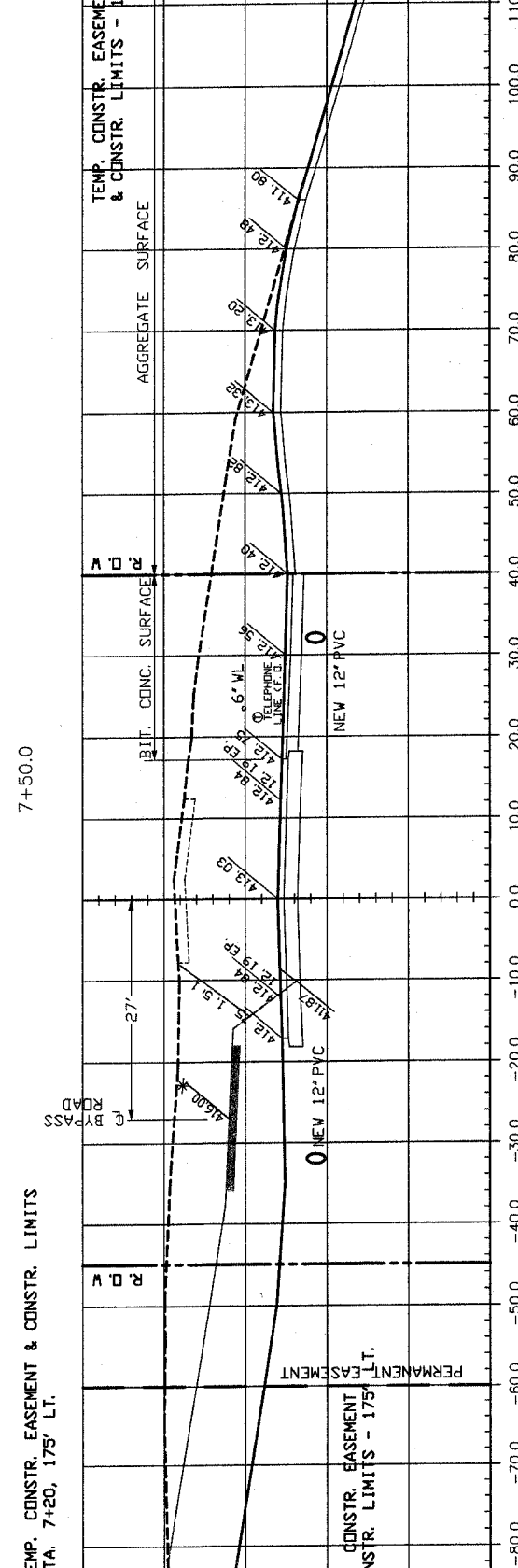
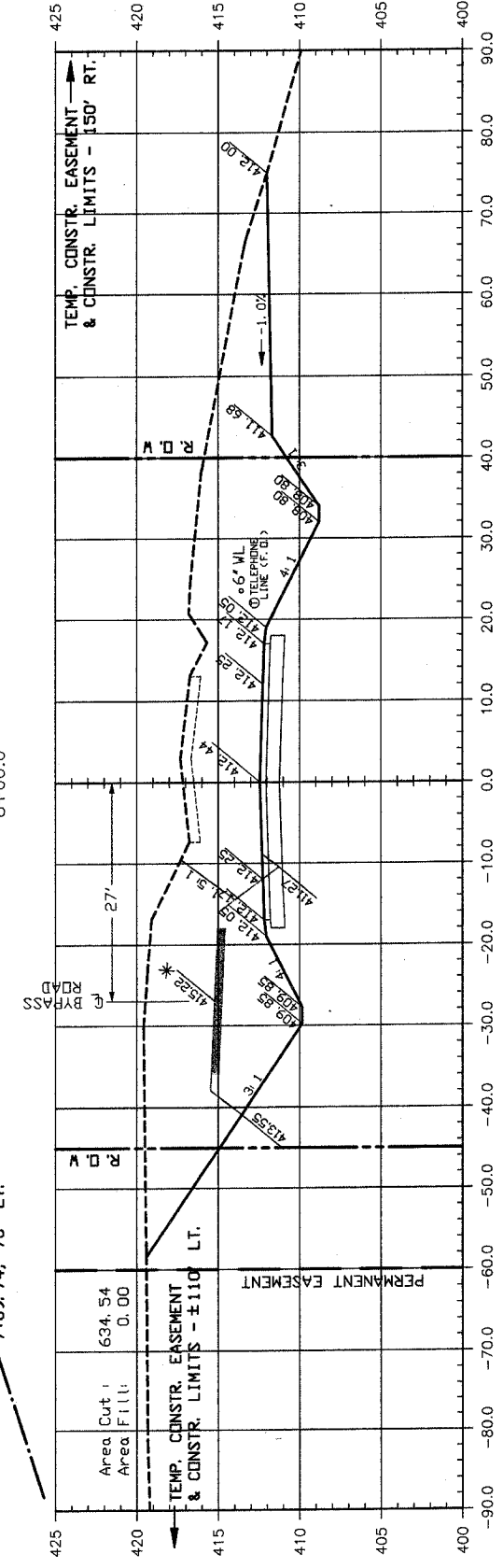
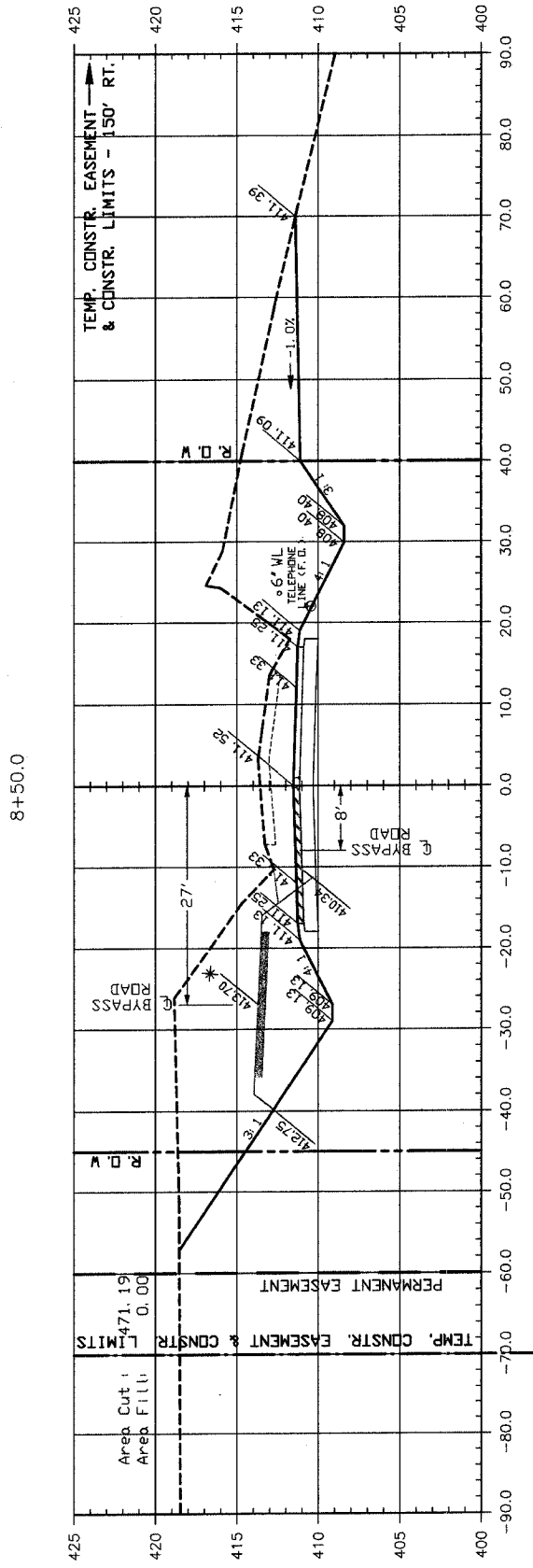
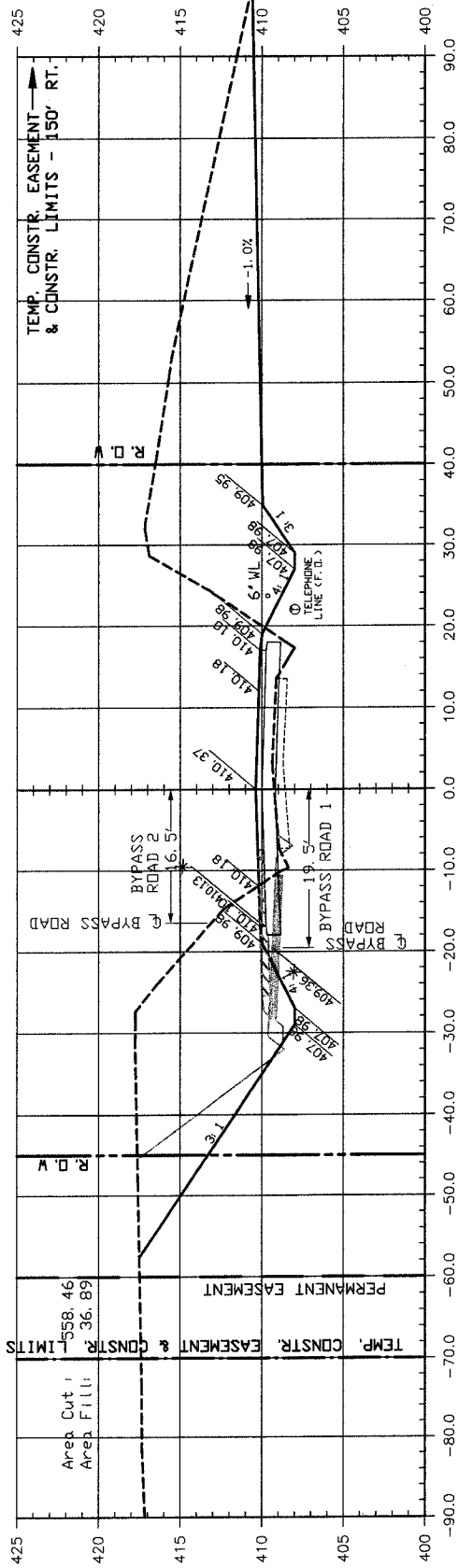


- NOTES:
1. CUT AND FILL AREA SHOWN ARE TO FINISH GRADE
 2. SHADED AREA DENOTES TEMPORARY BYPASS ROAD 1.
 3. HATCHED AREA DENOTES TEMPORARY BYPASS ROAD 2.
 4. 400.0 * PROPOSED CENTERLINE ELEV. TEMPORARY BYPASS ROADS

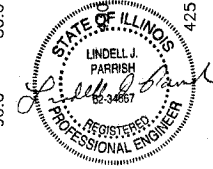


CIP NO. ST0107 - REED STATION ROAD NORTH
 CROSS SECTIONS
 STA. 5+00 TO STA. 6+50

F. A. U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
9732	00-00102-00-FP	JACKSON	27	12
JOB NO. C-99-033-03	PROJECT NO. M-500BK17)			
CITY OF CARBONDALE		CONTRACT NO. 99175		

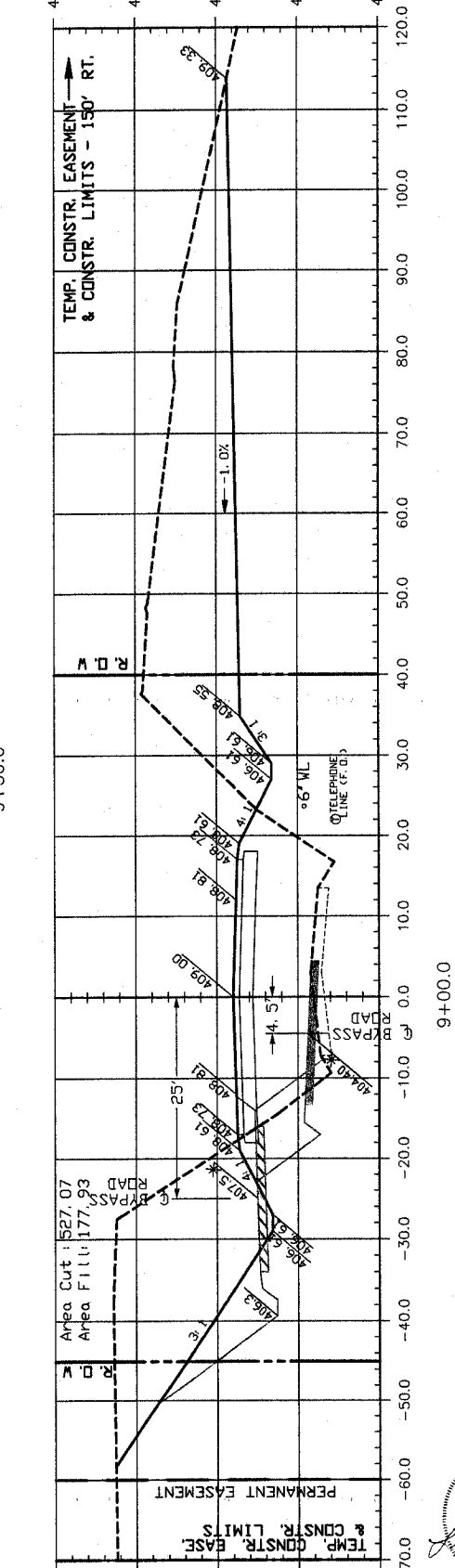
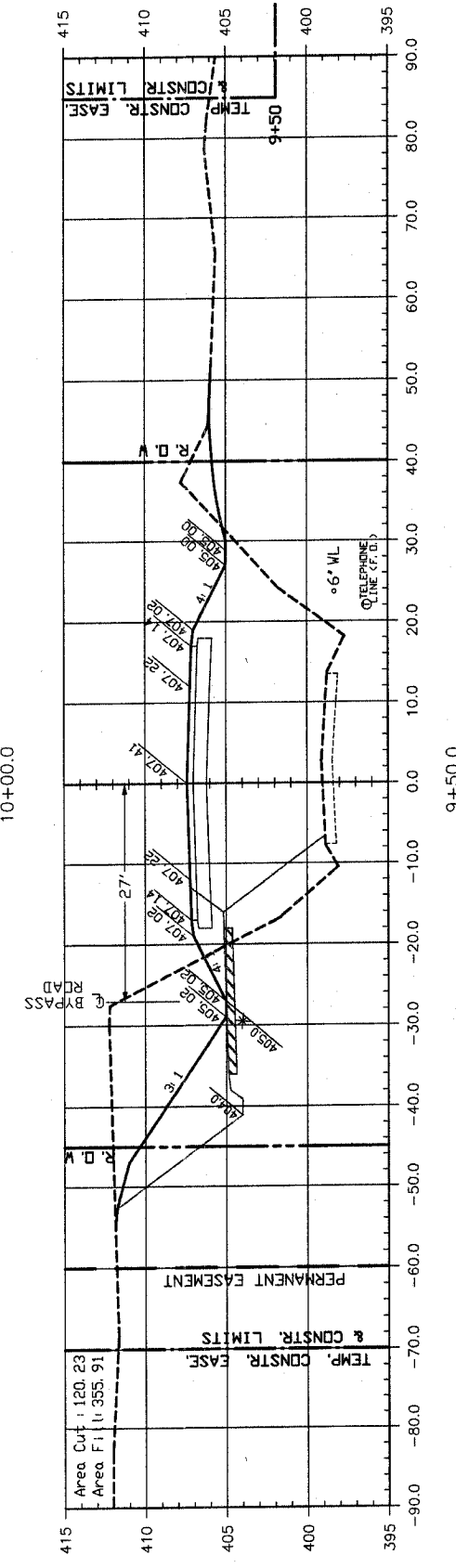
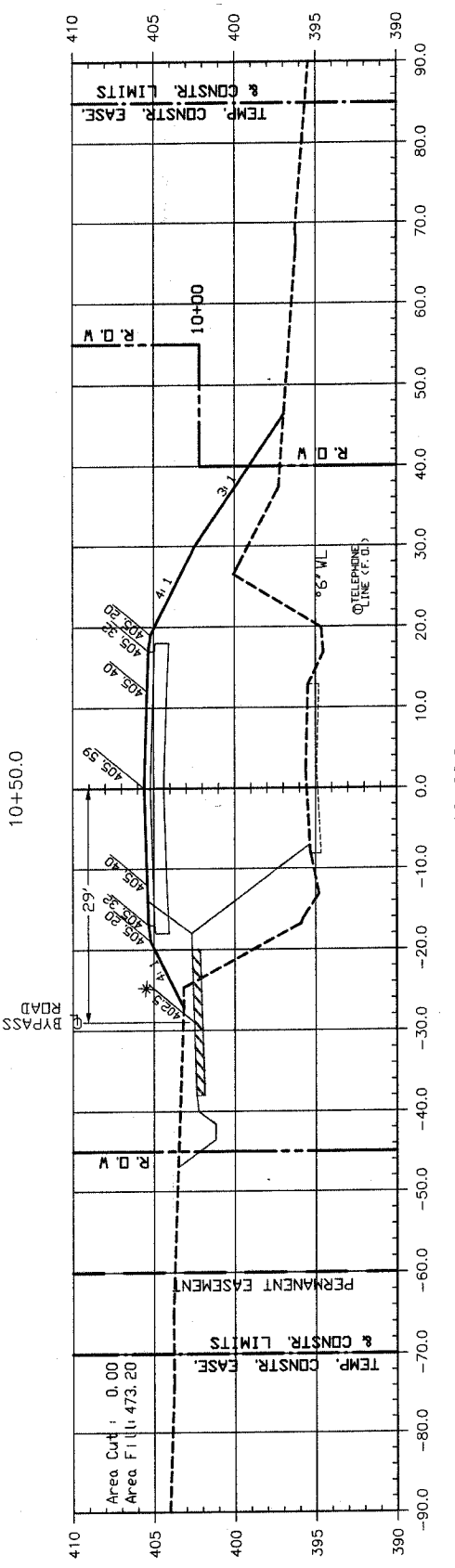
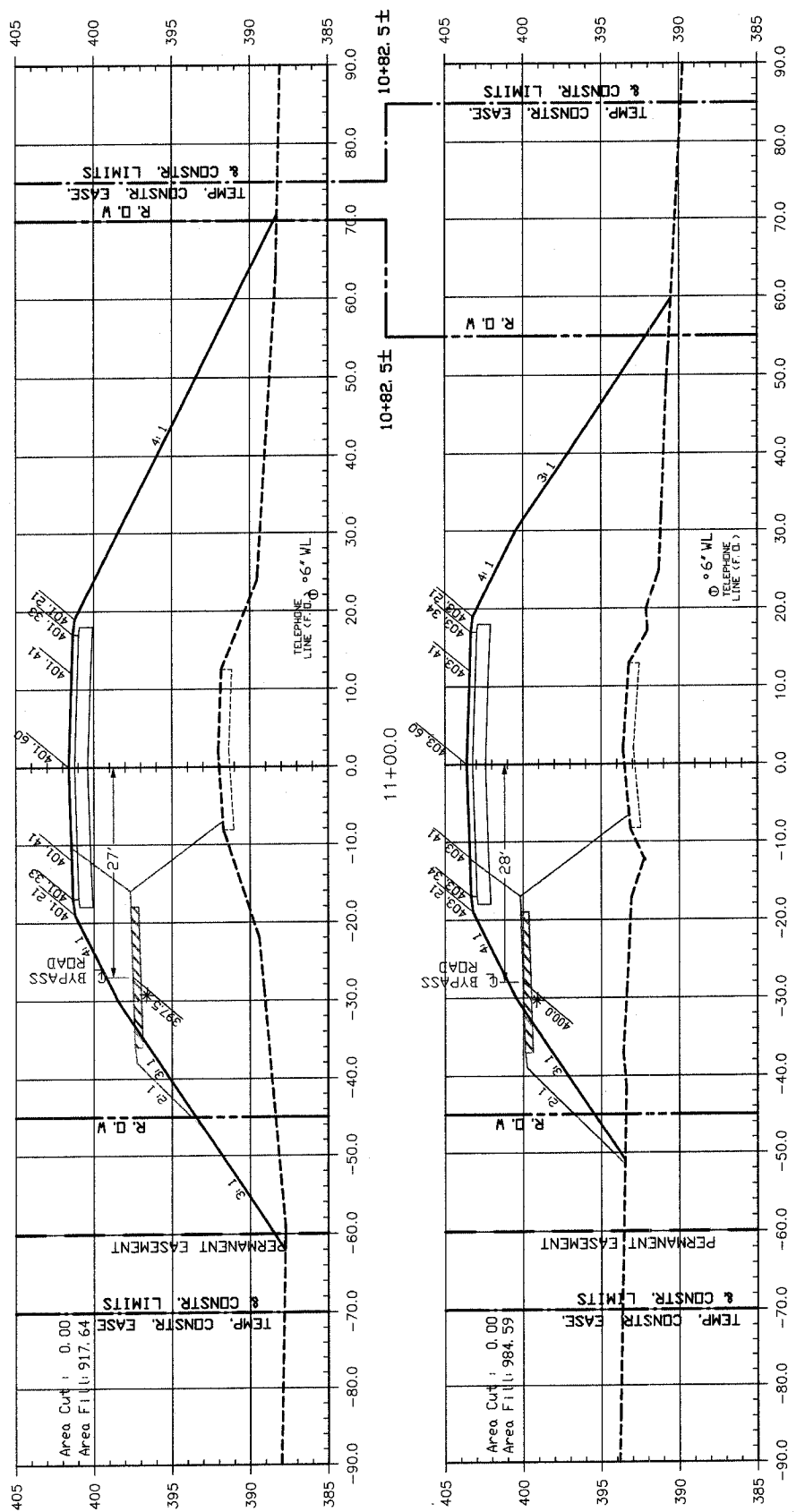


- NOTES:
1. CUT AND FILL AREA SHOWN ARE TO FINISH GRADE
 2. [Shaded Area Symbol] SHADED AREA DENOTES TEMPORARY BYPASS ROAD 1.
 3. [Hatched Area Symbol] HATCHED AREA DENOTES TEMPORARY BYPASS ROAD 2.
 4. 400.0 * PROPOSED CENTERLINE ELEV. TEMPORARY BYPASS ROADS



CIP NO. ST0107 - REED STATION ROAD NORTH
 CROSS SECTIONS
 STA. 7+07 TO STA. 8+50

F. A. U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
9732	00-00102-00-FP	JACKSON	27	13
JOB NO. C-99-033-03	PROJECT NO. M-500R(17)			
CITY OF CARBONDALE	CONTRACT NO. 99175			



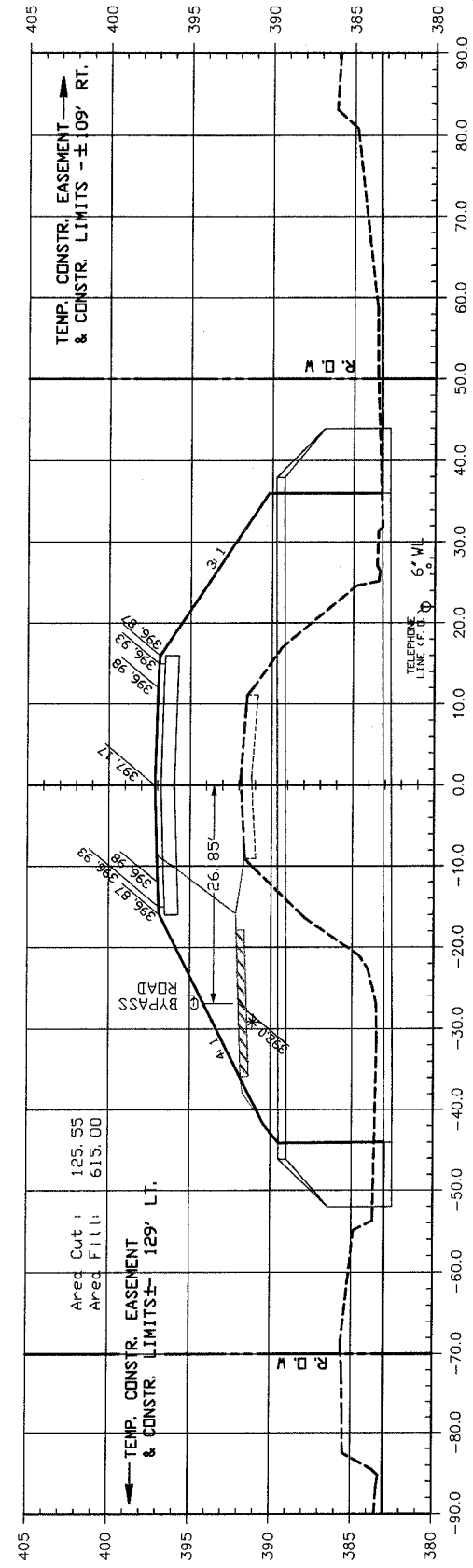
- NOTES: 1. CUT AND FILL AREA SHOWN ARE TO FINISH GRADE
 2. [Shaded Area] SHADED AREA DENOTES TEMPORARY BYPASS ROAD 1.
 3. [Hatched Area] HATCHED AREA DENOTES TEMPORARY BYPASS ROAD 2.
 4. 400.0 * PROPOSED CENTERLINE ELEV. TEMPORARY BYPASS ROADS



CIP NO. ST0107 - REED STATION ROAD NORTH
 CROSS SECTIONS
 STA. 9+00 TO STA. 11+00

F. A. U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
9732	00-00102-00-FP	JACKSON	27	14
JOB NO. C-99-033-03	PROJECT NO. M-5008(17)			
CITY OF CARBONDALE	CONTRACT NO. 99175			

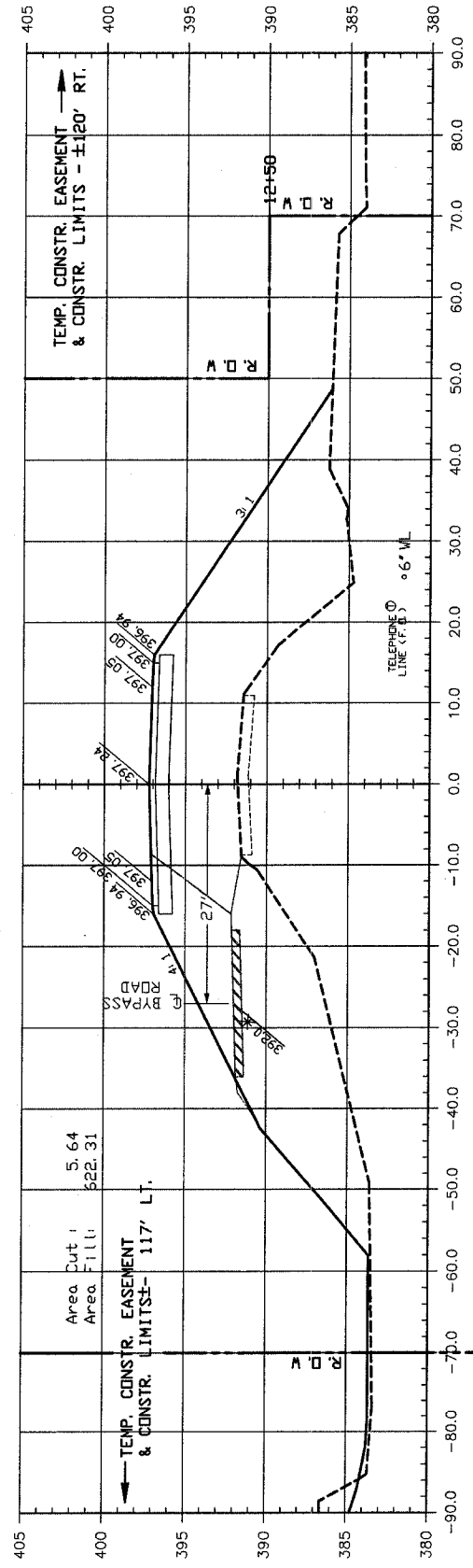
TEMP. CONSTR. EASEMENT & CONSTR. LIMITS STA. 12+65, 100' RT.



12+57.0

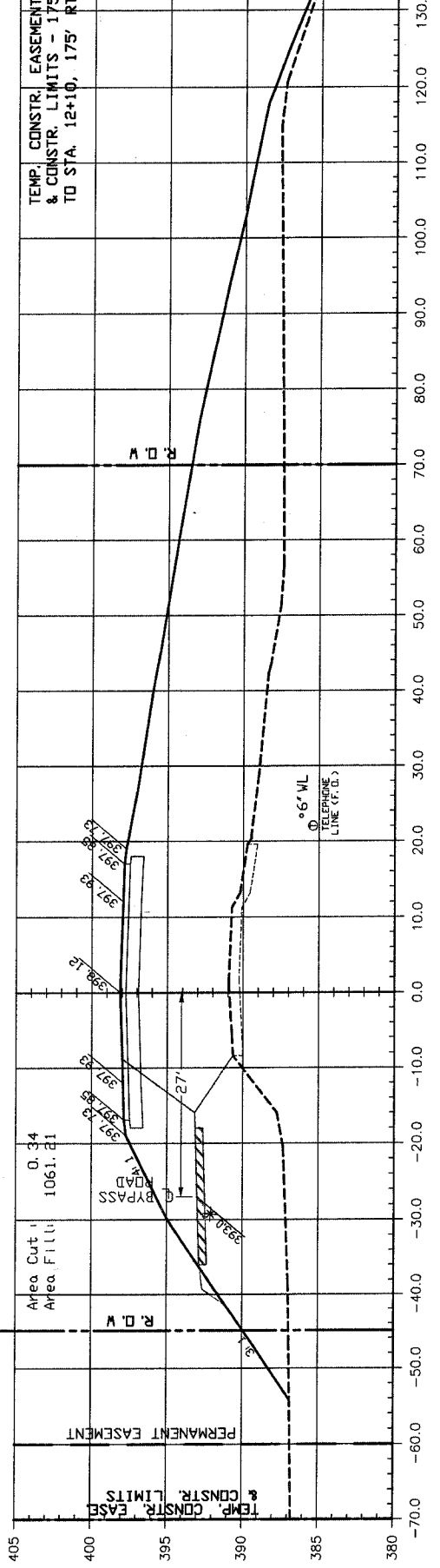
- NOTES:
- CUT AND FILL AREA SHOWN ARE TO FINISH GRADE
 - SHADED AREA DENOTES TEMPORARY BYPASS ROAD 1.
 - HATCHED AREA DENOTES TEMPORARY BYPASS ROAD 2.
 - 400.0 * PROPOSED CENTERLINE ELEV. TEMPORARY BYPASS ROADS

TEMP. CONSTR. EASEMENT & CONSTR. LIMITS ± 1120' RT.



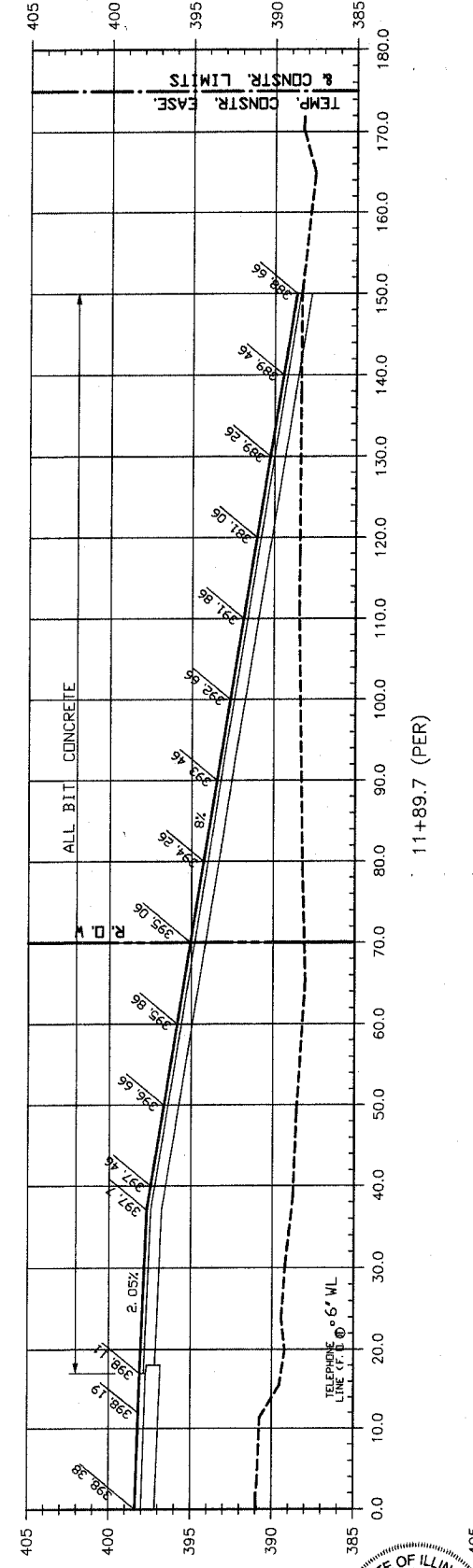
12+50.0

TEMP. CONSTR. EASEMENT & CONSTR. LIMITS ± 175' RT. TO STA. 12+10, 175' RT.

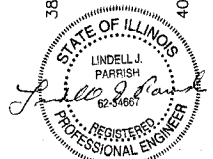


12+00.0 (PER)

ALL BIT CONCRETE

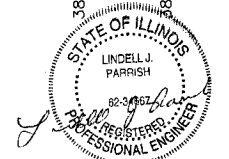
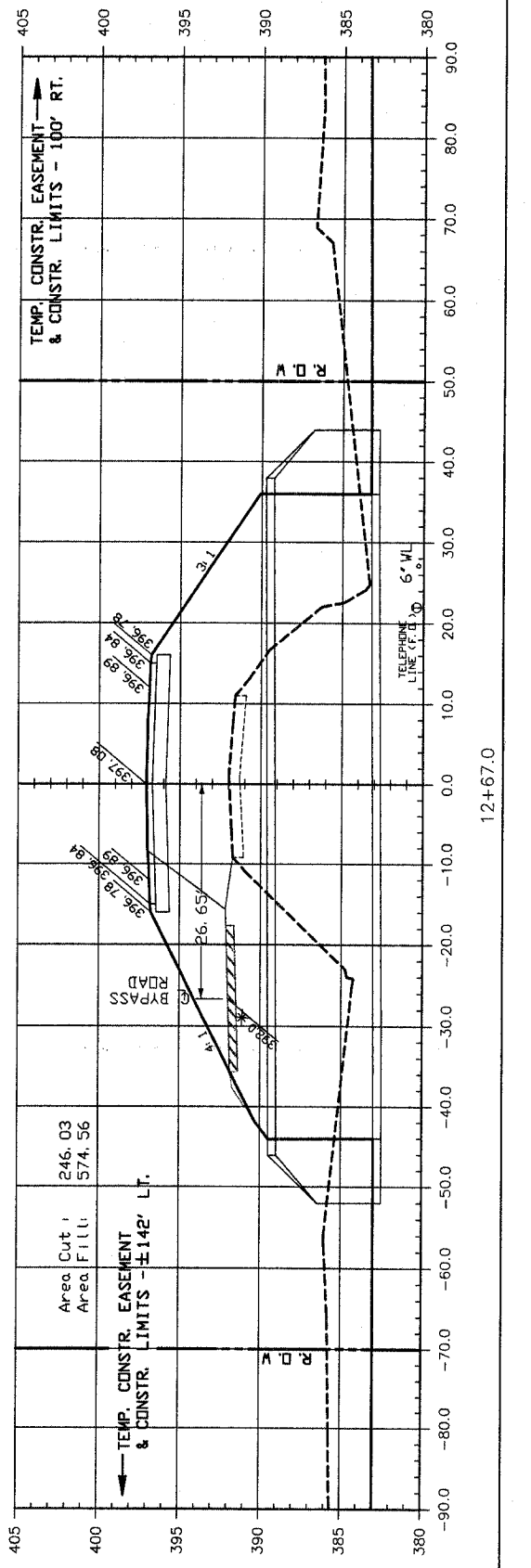
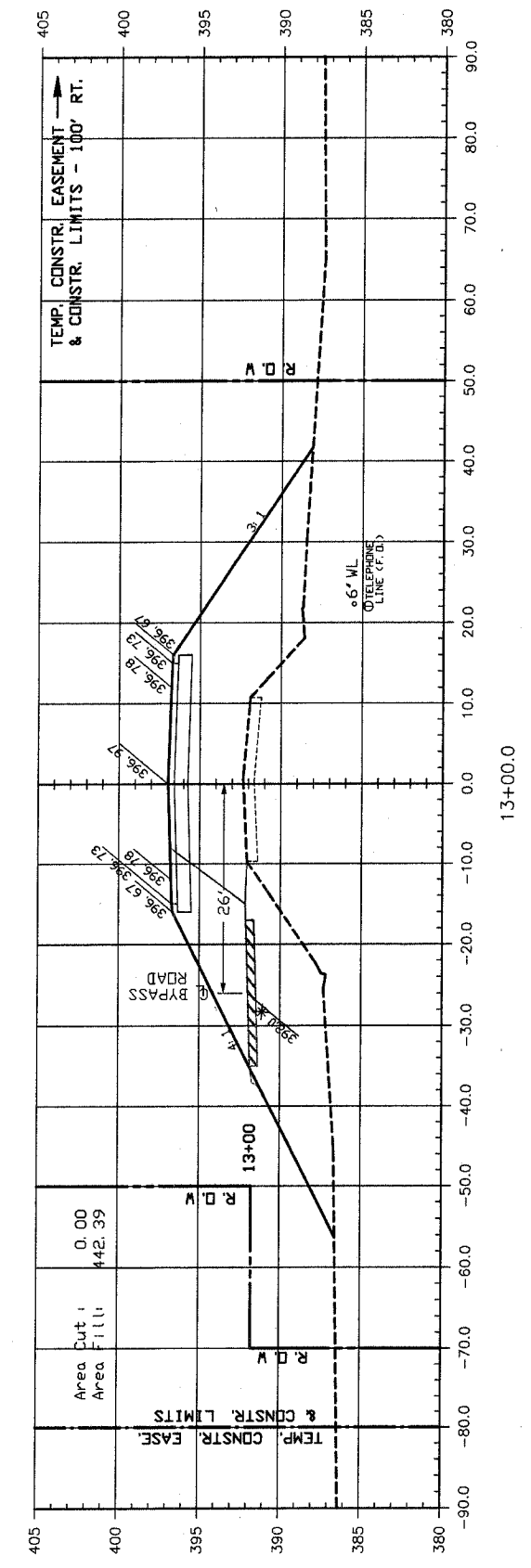
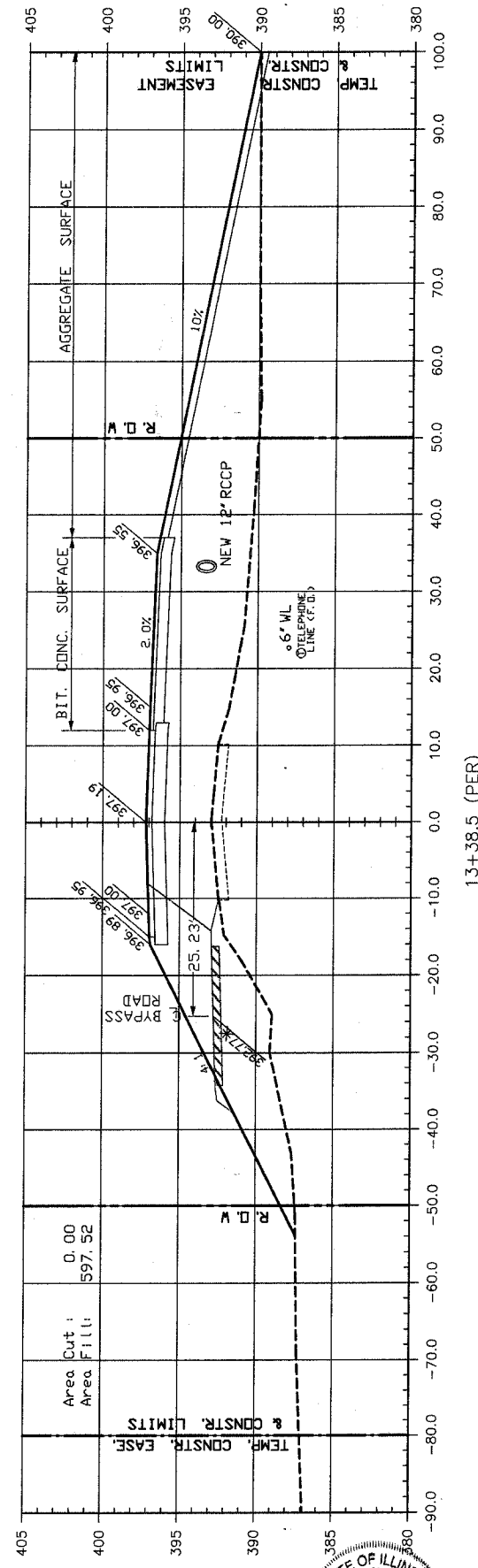
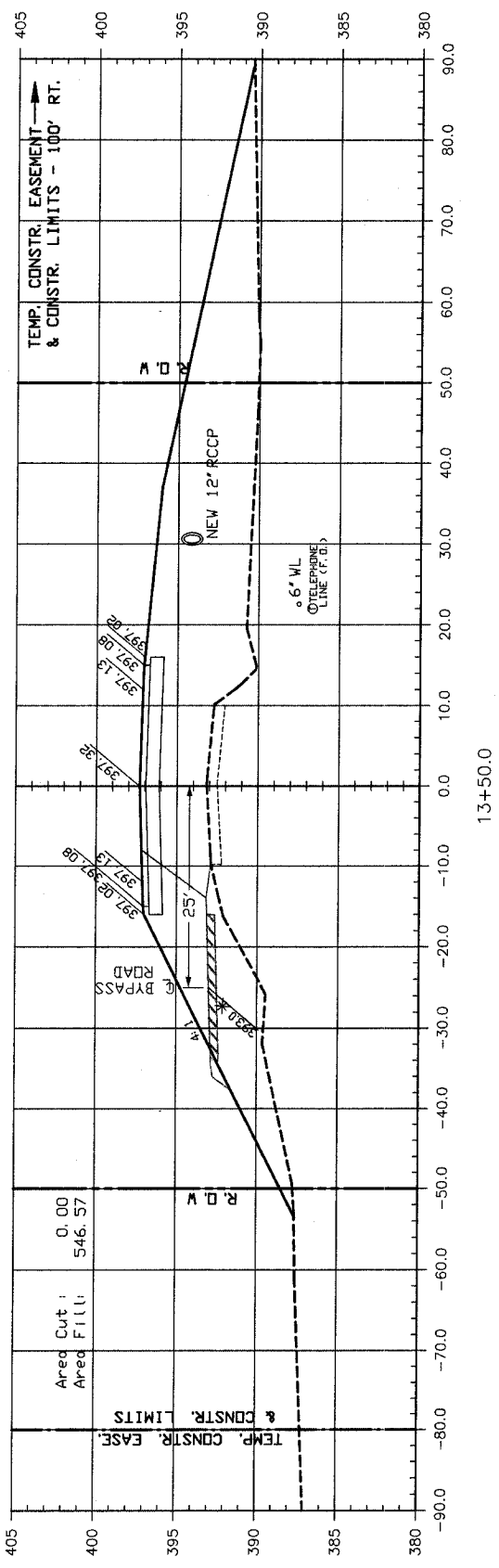
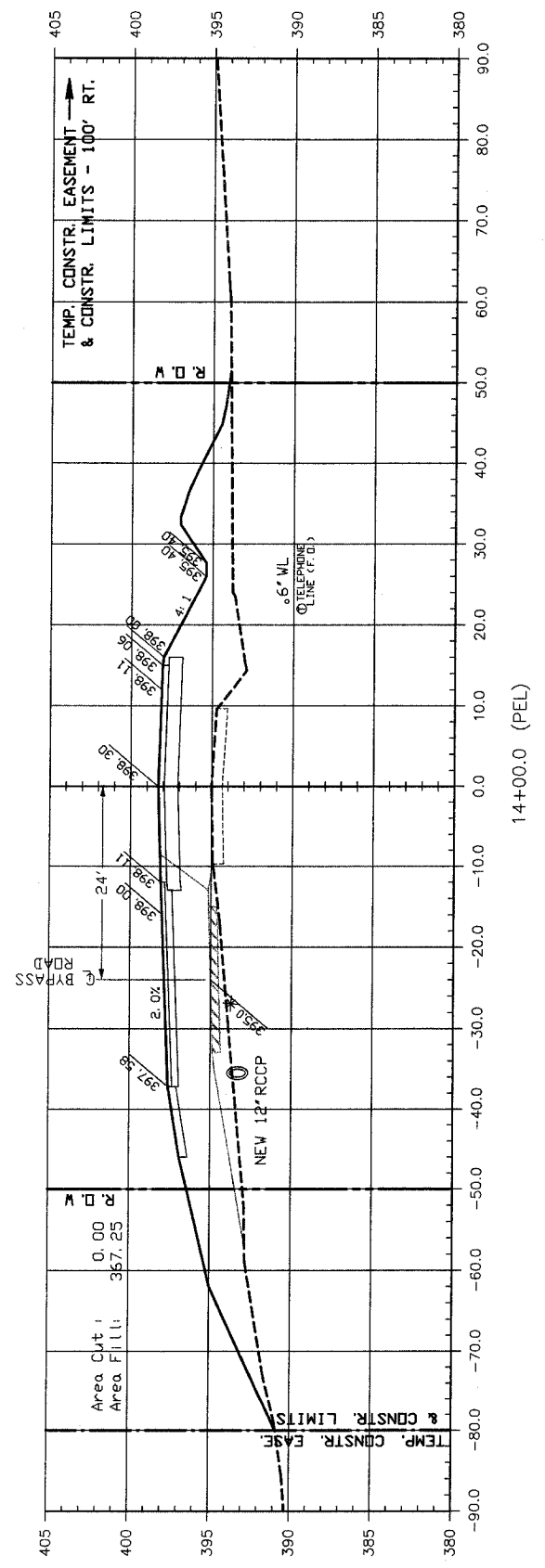


11+89.7 (PER)



CIP NO. ST0107 - REED STATION ROAD NORTH
CROSS SECTIONS
STA. 11+50 TO STA. 12+57

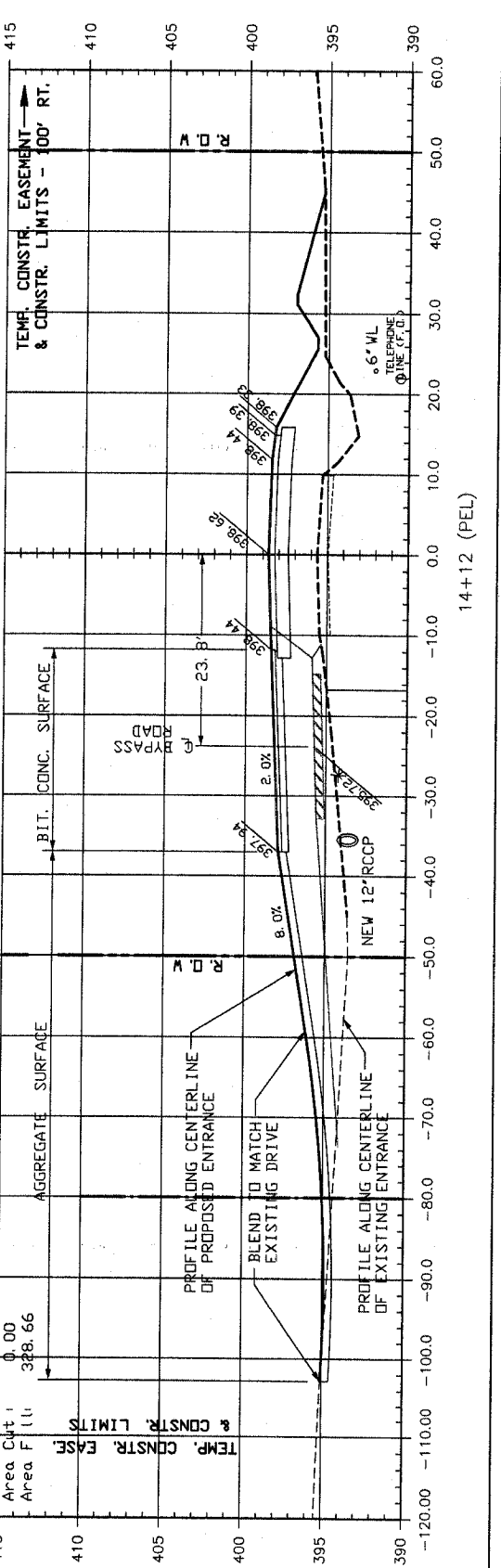
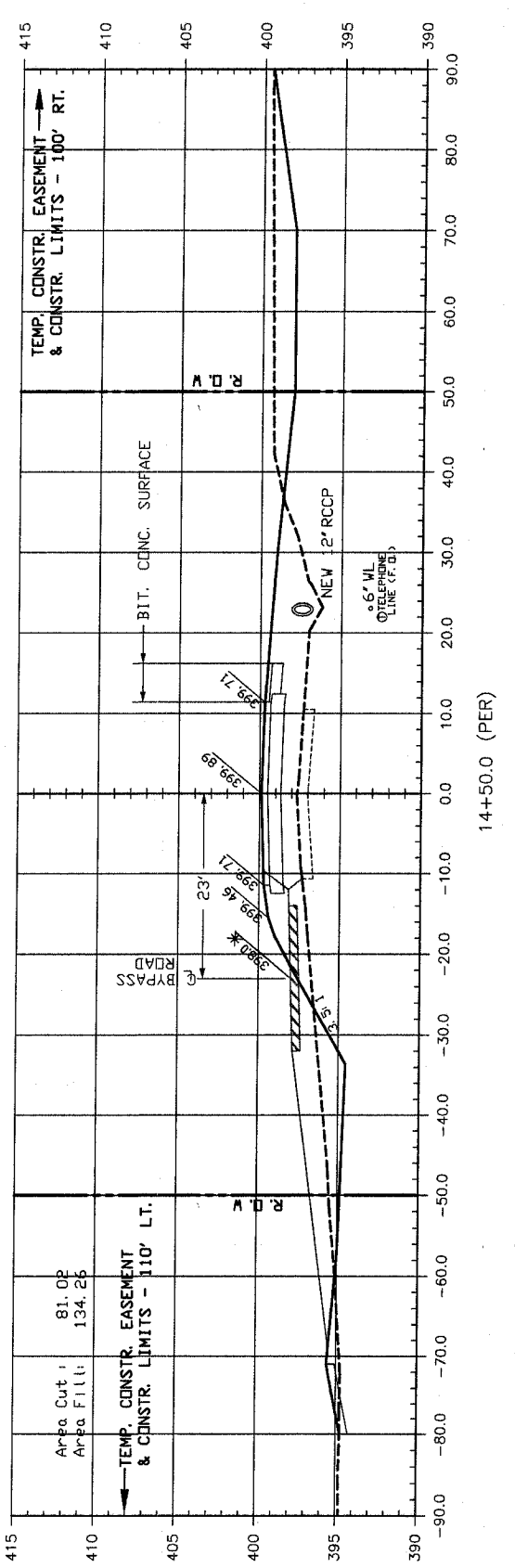
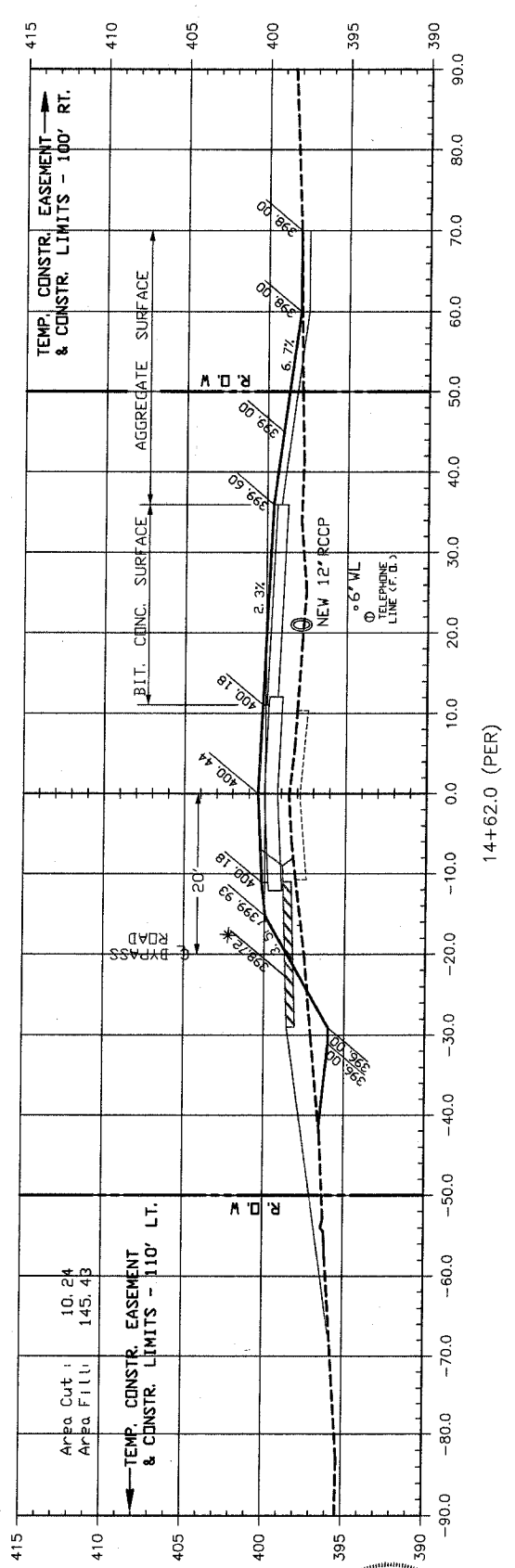
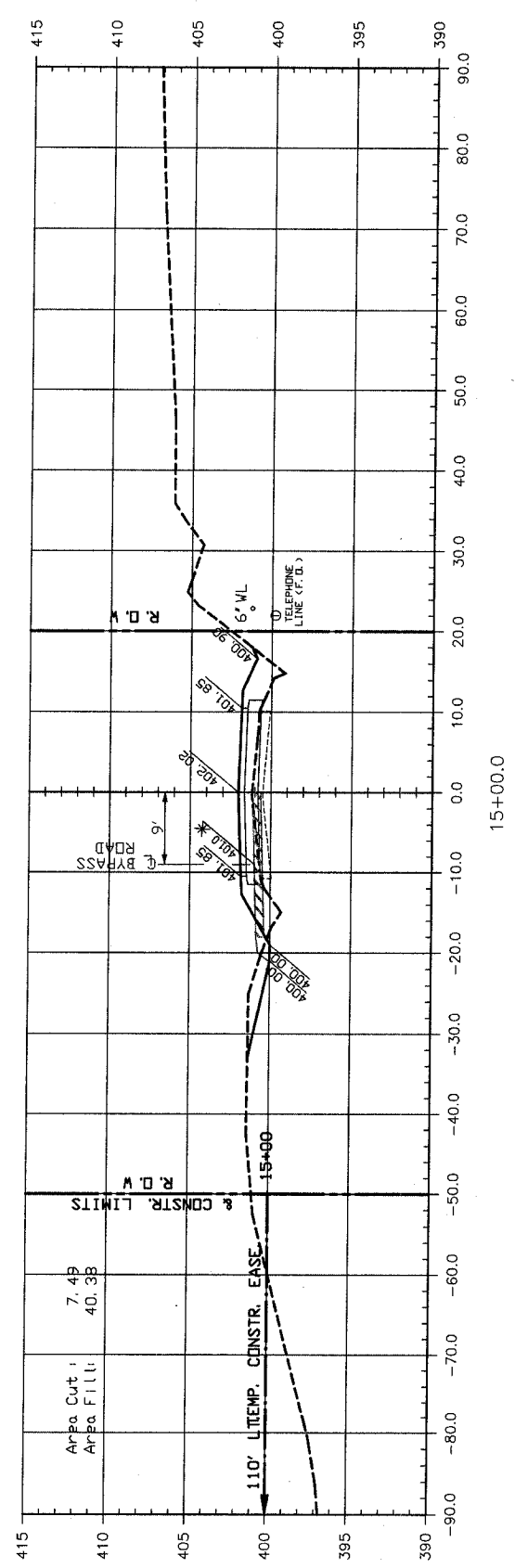
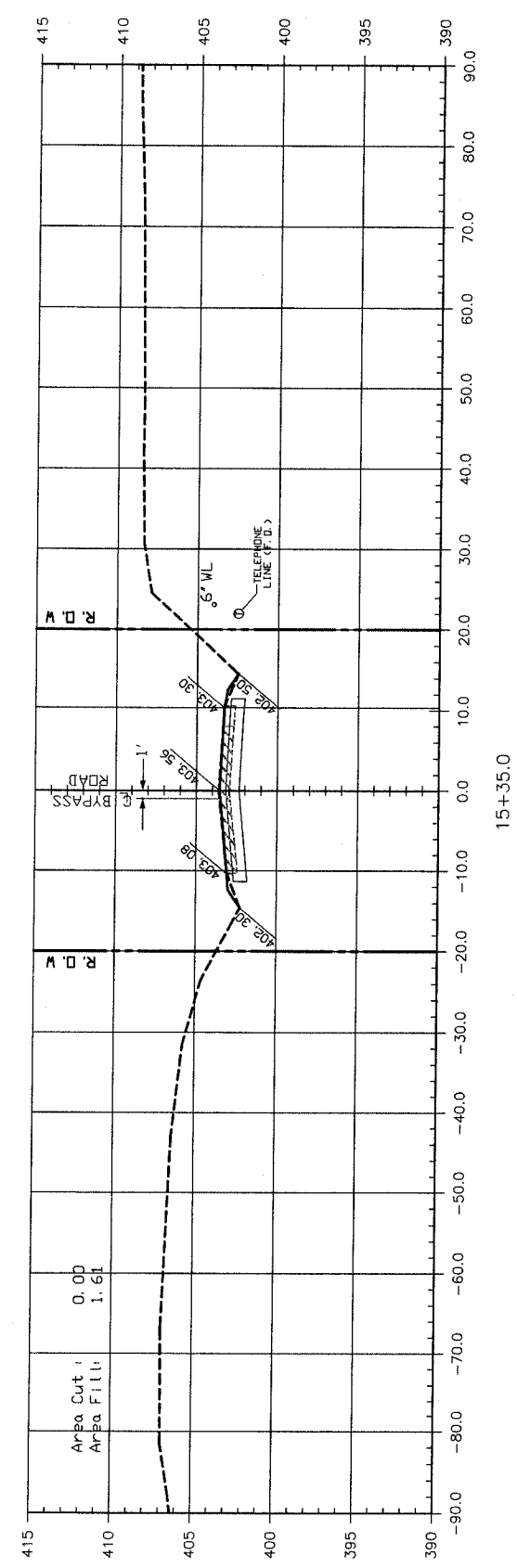
F. A. U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
9732	00-00102-00-FP	JACKSON	27	15
JOB NO. C-99-033-03	PROJECT NO. M-5008(17)			
CITY OF CARBONDALE	CONTRACT NO. 99175			



- NOTES:
1. CUT AND FILL AREA SHOWN ARE TO FINISH GRADE
 2. [SHADED AREA] SHADED AREA DENOTES TEMPORARY BYPASS ROAD 1.
 3. [HATCHED AREA] HATCHED AREA DENOTES TEMPORARY BYPASS ROAD 2.
 4. 400.0 * PROPOSED CENTERLINE ELEV. TEMPORARY BYPASS ROADS

CIP NO. ST0107 - REED STATION ROAD NORTH
CROSS SECTIONS
STA. 12+67 TO STA. 14+00

F. A. U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
9732	00-00102-00-FP	JACKSON	27	16
JOB NO. C-99-033-03	PROJECT NO. M-5008(17)			
CITY OF CARBONDALE	CONTRACT NO. 99175			



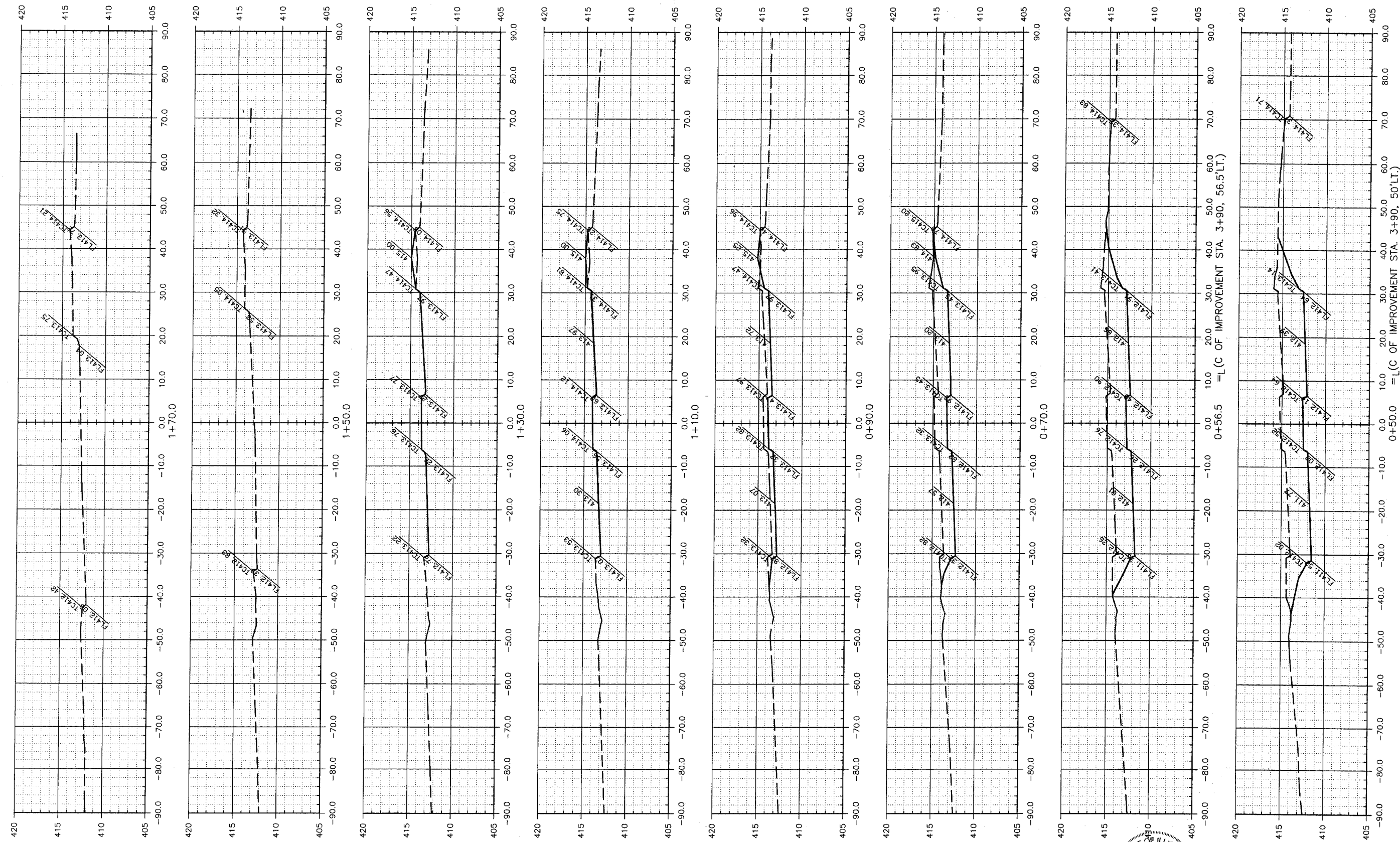
ESTIMATED EARTHWORK QUANTITIES
 EARTH EXCAVATION (SPECIAL) - 13,700 cu. yds.
 EMBANKMENT - 12,200 cu. yds.
 FURNISHED EXCAVATION - 1,925 cu. yds. REQUIRED @ 25% SHRINKAGE FACTOR



- NOTES:
1. CUT AND FILL AREA SHOWN ARE TO FINISH GRADE
 2. SHADED AREA DENOTES TEMPORARY BYPASS ROAD 1.
 3. HATCHED AREA DENOTES TEMPORARY BYPASS ROAD 2.
 4. 400.0 * PROPOSED CENTERLINE ELEV. TEMPORARY BYPASS ROADS

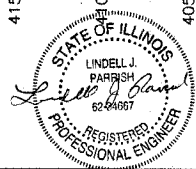
CIP NO. ST0107 - REED STATION ROAD NORTH
CROSS SECTIONS
STA. 14+12 TO STA. 15+35

F. A. U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
9732	00-00102-00-FP	JACKSON	27	17
JOB NO. C-99-033-03	PROJECT NO. M-5008(17)			
CITY OF CARBONDALE	CONTRACT NO. 99175			



=L (C OF IMPROVEMENT STA. 3+90, 56.5'LT.)

=L (C OF IMPROVEMENT STA. 3+90, 50'LT.)



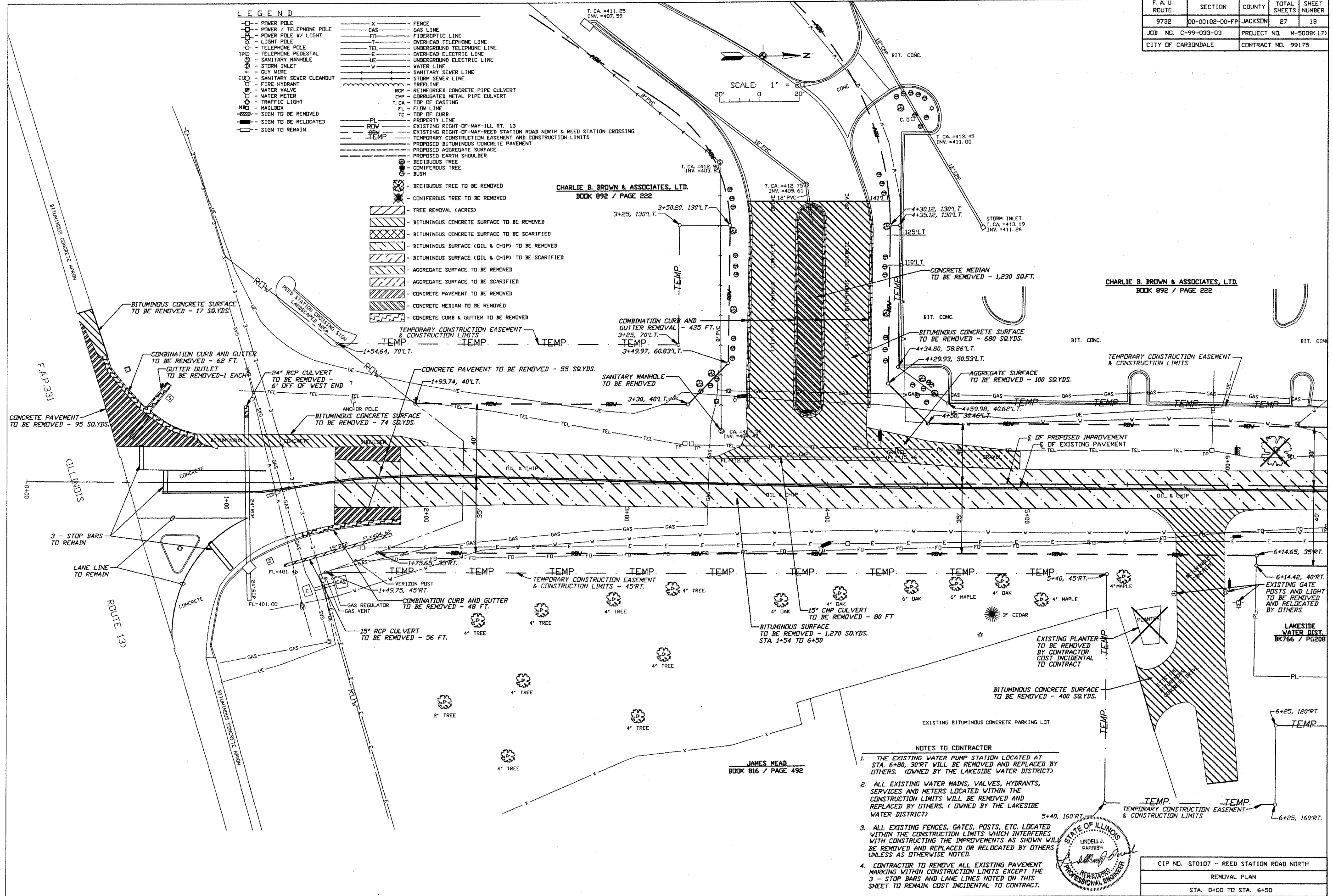
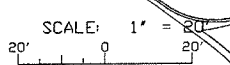
CIP NO. ST0107 - REED STATION ROAD NORTH
 REED STATION CROSSING - ENTRANCE CROSS SECTIONS
 STA. 0+50 TO STA. 1+70

F. A. U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
9732	00-00102-00-FP	JACKSON	27	18
JOB NO. C-99-033-03	PROJECT NO. M-5008(17)			
CITY OF CARBONDALE	CONTRACT NO. 99175			

- LEGEND**
- POWER POLE
 - POWER / TELEPHONE POLE
 - POWER POLE W/ LIGHT
 - LIGHT POLE
 - TELEPHONE POLE
 - TELEPHONE PEDESTAL
 - SANITARY MANHOLE
 - STORM INLET
 - GUY WIRE
 - SANITARY SEWER CLEANOUT
 - FIRE HYDRANT
 - WATER VALVE
 - WATER METER
 - TRAFFIC LIGHT
 - MAILBOX
 - SIGN TO BE REMOVED
 - SIGN TO BE RELOCATED
 - SIGN TO REMAIN
- FENCE
 - GAS
 - FIBEROPTIC LINE
 - OVERHEAD TELEPHONE LINE
 - UNDERGROUND TELEPHONE LINE
 - OVERHEAD ELECTRIC LINE
 - UNDERGROUND ELECTRIC LINE
 - WATER LINE
 - SANITARY SEWER LINE
 - STORM SEWER LINE
 - TREE LINE
 - RCP - REINFORCED CONCRETE PIPE CULVERT
 - CMP - CORRUGATED METAL PIPE CULVERT
 - T. CA. - TOP OF CASTING
 - F.L. - FLOW LINE
 - FL - TOP OF CURB
 - TC - TOP OF CURB
 - PL - PROPERTY LINE
 - ROW - EXISTING RIGHT-OF-WAY-ILL RT. 13
 - ROW - EXISTING RIGHT-OF-WAY-REED STATION ROAD NORTH & REED STATION CROSSING
 - TEMP. - TEMPORARY CONSTRUCTION EASEMENT AND CONSTRUCTION LIMITS
 - TEMP. - PROPOSED BITUMINOUS CONCRETE PAVEMENT
 - TEMP. - PROPOSED AGGREGATE SURFACE
 - TEMP. - PROPOSED EARTH SHOULDER
 - DECIDUOUS TREE
 - CONIFERUS TREE
 - BUSH
 - DECIDUOUS TREE TO BE REMOVED
 - CONIFERUS TREE TO BE REMOVED
 - TREE REMOVAL (ACRES)
 - ▨ BITUMINOUS CONCRETE SURFACE TO BE REMOVED
 - ▨ BITUMINOUS CONCRETE SURFACE TO BE SCARIFIED
 - ▨ BITUMINOUS SURFACE (OIL & CHIP) TO BE REMOVED
 - ▨ BITUMINOUS SURFACE (OIL & CHIP) TO BE SCARIFIED
 - ▨ AGGREGATE SURFACE TO BE REMOVED
 - ▨ AGGREGATE SURFACE TO BE SCARIFIED
 - ▨ CONCRETE PAVEMENT TO BE REMOVED
 - ▨ CONCRETE MEDIAN TO BE REMOVED
 - ▨ CONCRETE CURB & GUTTER TO BE REMOVED
 - TEMP. - TEMPORARY CONSTRUCTION EASEMENT & CONSTRUCTION LIMITS

CHARLIE B. BROWN & ASSOCIATES, LTD.
BOOK 892 / PAGE 222

CHARLIE B. BROWN & ASSOCIATES, LTD.
BOOK 892 / PAGE 222



- NOTES TO CONTRACTOR**
- THE EXISTING WATER PUMP STATION LOCATED AT STA. 6+80, 30'RT WILL BE REMOVED AND REPLACED BY OTHERS. (OWNED BY THE LAKESIDE WATER DISTRICT)
 - ALL EXISTING WATER MAINS, VALVES, HYDRANTS, SERVICES AND METERS LOCATED WITHIN THE CONSTRUCTION LIMITS WILL BE REMOVED AND REPLACED BY OTHERS. (OWNED BY THE LAKESIDE WATER DISTRICT)
 - ALL EXISTING FENCES, GATES, POSTS, ETC. LOCATED WITHIN THE CONSTRUCTION LIMITS WHICH INTERFERES WITH CONSTRUCTING THE IMPROVEMENTS AS SHOWN WILL BE REMOVED AND REPLACED OR RELOCATED BY OTHERS UNLESS AS OTHERWISE NOTED.
 - CONTRACTOR TO REMOVE ALL EXISTING PAVEMENT MARKING WITHIN CONSTRUCTION LIMITS EXCEPT THE 3 - STOP BARS AND LANE LINES NOTED ON THIS SHEET TO REMAIN. COST INCIDENTAL TO CONTRACT.



CIP NO. ST0107 - REED STATION ROAD NORTH
REMOVAL PLAN
STA. 0+00 TO STA. 6+50

JAMES MEAD
BOOK 816 / PAGE 492

F. A. U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
9732	00-00102-00-FP	JACKSON	27	19
JOB NO. C-99-033-03		PROJECT NO. M-5008(17)		
CITY OF CARBONDALE		CONTRACT NO. 99175		

LEGEND

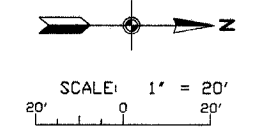
○	POWER POLE	---	FENCE
○	POWER / TELEPHONE POLE	---	GAS
○	POWER POLE W/ LIGHT	---	GAS LINE
○	LIGHT POLE	---	FIBEROPTIC LINE
○	TELEPHONE POLE	---	OVERHEAD TELEPHONE LINE
○	TELEPHONE PEDESTAL	---	TEL
○	SANITARY MANHOLE	---	UNDERGROUND TELEPHONE LINE
○	STORM INLET	---	E
○	GUY WIRE	---	OVERHEAD ELECTRIC LINE
○	SANITARY SEWER CLEANOUT	---	UE
○	FIRE HYDRANT	---	UNDERGROUND ELECTRIC LINE
○	WATER VALVE	---	W
○	WATER METER	---	WATER LINE
○	TRAFFIC LIGHT	---	VS
○	MAILBOX	---	SANITARY SEWER LINE
○	SIGN TO BE REMOVED	---	STORM SEWER LINE
○	SIGN TO BE RELOCATED	---	TREELINE
○	SIGN TO REMAIN	---	RCP
		---	REINFORCED CONCRETE PIPE CULVERT
		---	DMP
		---	CORRUGATED METAL PIPE CULVERT
		---	T, CA
		---	TOP OF CASTING
		---	FL
		---	FLOW LINE
		---	TC
		---	TOP OF CURB
		---	PROPERTY LINE
		---	EXISTING RIGHT-OF-WAY-REED STATION ROAD NORTH
		---	TEMP.
		---	TEMPORARY CONSTRUCTION EASEMENT AND CONSTRUCTION LIMITS
		---	PERM.
		---	PERMANENT EASEMENT
		---	PROPOSED BITUMINOUS CONCRETE PAVEMENT
		---	PROPOSED AGGREGATE SURFACE
		---	PROPOSED EARTH SHOULDER
		○	DECIDUOUS TREE
		○	CONIFEROUS TREE
		○	BUSH
		○	DECIDUOUS TREE TO BE REMOVED
		○	CONIFEROUS TREE TO BE REMOVED AND REPLANTED
		▨	TREE REMOVAL (ACRES)
		▨	BITUMINOUS CONCRETE SURFACE TO BE REMOVED
		▨	BITUMINOUS CONCRETE SURFACE TO BE SCARIFIED
		▨	BITUMINOUS SURFACE (OIL & CHIP) TO BE REMOVED
		▨	BITUMINOUS SURFACE (OIL & CHIP) TO BE SCARIFIED
		▨	AGGREGATE SURFACE TO BE REMOVED
		▨	AGGREGATE SURFACE TO BE SCARIFIED
		▨	CONCRETE PAVEMENT TO BE REMOVED
		▨	CONCRETE MEDIAN TO BE REMOVED
		▨	CONCRETE CURB & GUTTER TO BE REMOVED

NOTE TO CONTRACTOR
 THE 12 - 4' CEDARS SHOWN HERE TO BE REMOVED SHALL BE REPLANTED AT A LOCATION DESIGNATED BY THE PROPERTY OWNER AND APPROVED BY THE ENGINEER. THE CONTRACTOR WILL ALSO BE REQUIRED TO PLANT 12 NEW EASTERN WHITE PINES (5' HEIGHT MIN.) ALSO AT A LOCATION DESIGNATED BY THE PROPERTY OWNER AND APPROVED BY THE ENGINEER. SEE TREE SCHEDULE ON SHEET 3 OF THE PLANS.

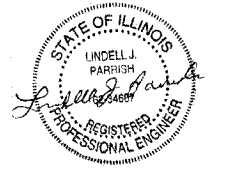
DANIEL S. DOOLITTLE & PAMELA M. DOOLITTLE
 BOOK 893 / PAGE 730

JAMES E. MEAD & RUBY LYNN MEAD
 BOOK 835 / PAGE 476

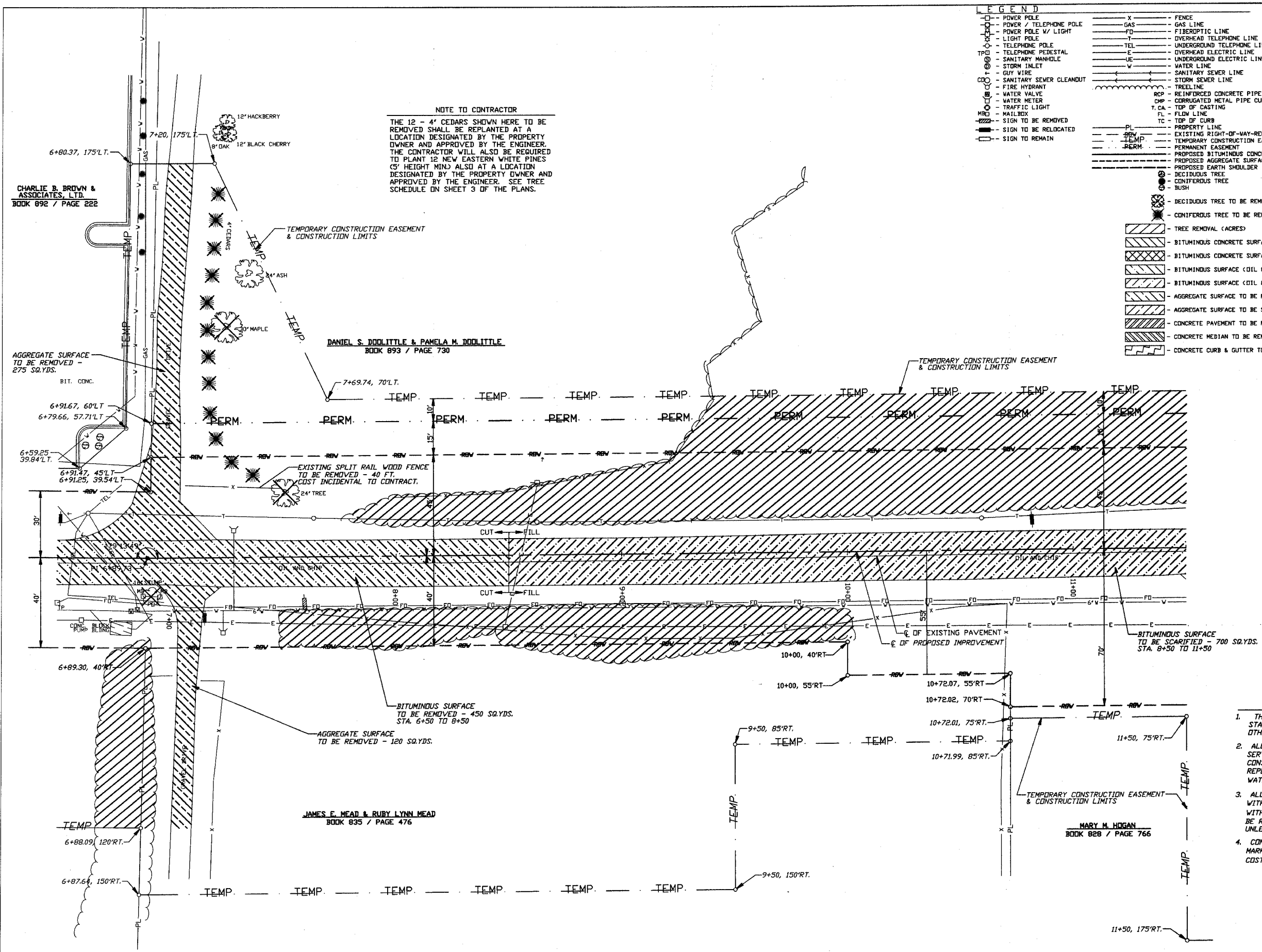
MARY M. HOGAN
 BOOK 828 / PAGE 766



- NOTES TO CONTRACTOR**
1. THE EXISTING WATER PUMP STATION LOCATED AT STA. 6+80, 30'RT WILL BE REMOVED AND REPLACED BY OTHERS. (OWNED BY THE LAKESIDE WATER DISTRICT)
 2. ALL EXISTING WATER MAINS, VALVES, HYDRANTS, SERVICES AND METERS LOCATED WITHIN THE CONSTRUCTION LIMITS WILL BE REMOVED AND REPLACED BY OTHERS. (OWNED BY THE LAKESIDE WATER DISTRICT)
 3. ALL EXISTING FENCES, GATES, POSTS, ETC. LOCATED WITHIN THE CONSTRUCTION LIMITS WHICH INTERFERES WITH CONSTRUCTING THE IMPROVEMENTS AS SHOWN WILL BE REMOVED AND REPLACED OR RELOCATED BY OTHERS UNLESS AS OTHERWISE NOTED.
 4. CONTRACTOR TO REMOVE ALL EXISTING PAVEMENT MARKING WITHIN CONSTRUCTION LIMITS THIS SHEET. COST INCIDENTAL TO CONTRACT.



CIP NO. ST0107 - REED STATION ROAD NORTH
REMOVAL PLAN
STA. 6+50 TO STA. 11+50



CHARLIE B. BROWN & ASSOCIATES, L.T.D.
 BOOK 892 / PAGE 222

AGGREGATE SURFACE TO BE REMOVED - 275 SQ.YDS.

6+59.25 39.84'LT.

6+89.30 40'RT.

6+88.09 120'RT.

6+87.64 150'RT.

12" HACKBERRY
 8" DAK 12" BLACK CHERRY

4" CEDARS
 24" ASH

30" MAPLE
 24" TREE

EXISTING SPLIT RAIL WOOD FENCE TO BE REMOVED - 40 FT. COST INCIDENTAL TO CONTRACT.

BITUMINOUS SURFACE TO BE REMOVED - 450 SQ.YDS. STA. 6+50 TO 8+50

AGGREGATE SURFACE TO BE REMOVED - 120 SQ.YDS.

9+50, 85'RT.

10+00, 40'RT.

10+00, 55'RT.

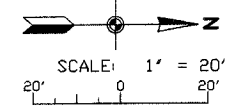
10+72.01, 75'RT.

10+71.99, 85'RT.

11+50, 75'RT.

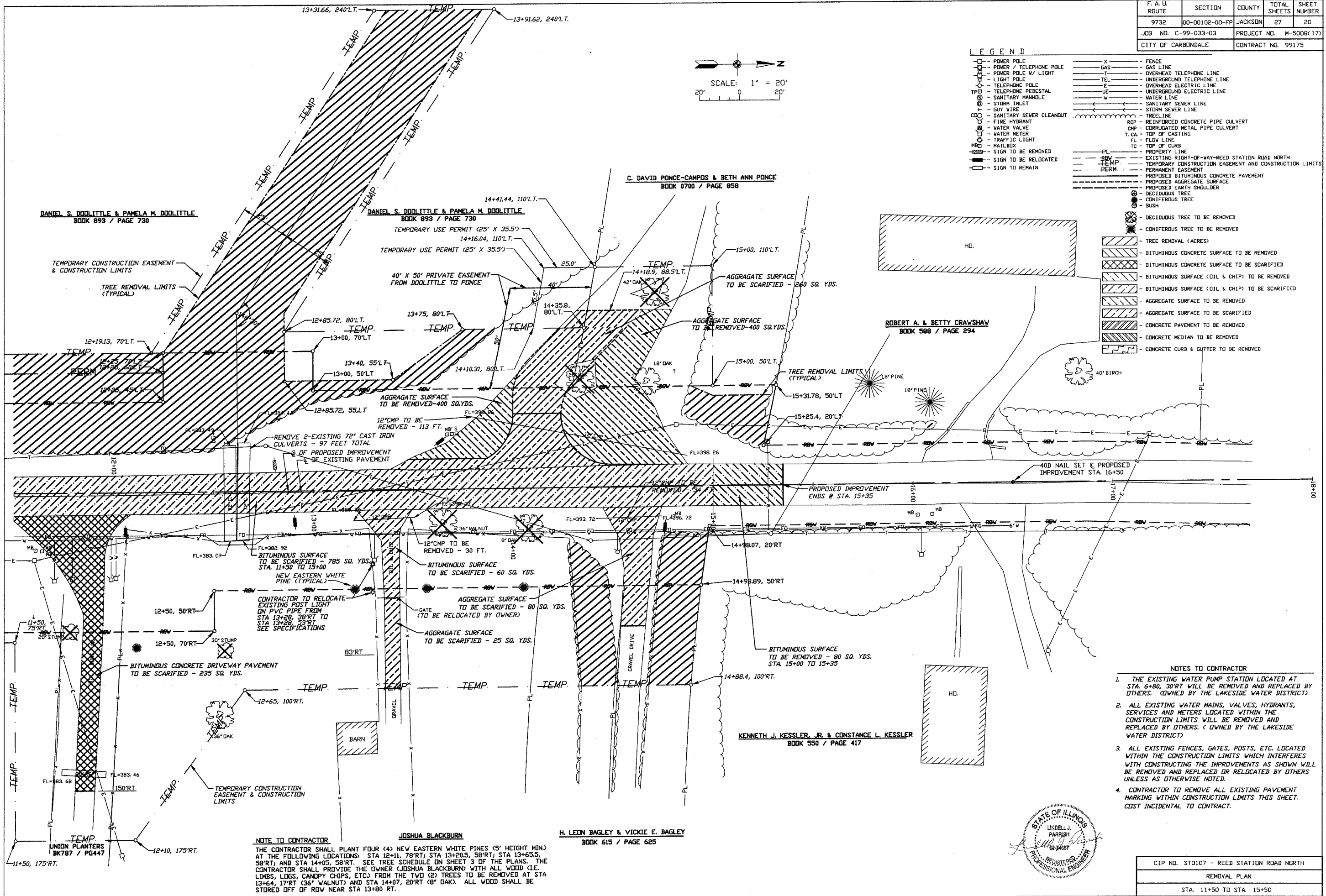
11+50, 175'RT.

F. A. U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
9732	00-00102-00-FP	JACKSON	27	20
JOB NO. C-99-033-03	PROJECT NO. M-5008(17)			
CITY OF CARBONDALE		CONTRACT NO. 99175		



LEGEND

- | | | | |
|------------------------------|------------------------------|-------|---|
| - POWER POLE | - FENCE | - X | - DECIDUOUS TREE TO BE REMOVED |
| - POWER / TELEPHONE POLE | - GAS LINE | - --- | - CONIFEROUS TREE TO BE REMOVED |
| - POWER POLE W/ LIGHT | - OVERHEAD TELEPHONE LINE | - --- | - TREE REMOVAL (ACRES) |
| - LIGHT POLE | - TEL | - --- | - BITUMINOUS CONCRETE SURFACE TO BE REMOVED |
| - TELEPHONE POLE | - UNDERGROUND TELEPHONE LINE | - --- | - BITUMINOUS CONCRETE SURFACE TO BE SCARIFIED |
| TPD - TELEPHONE PEDESTAL | - E | - --- | - BITUMINOUS SURFACE (OIL & CHIP) TO BE REMOVED |
| - WATER LINE | - UNDERGROUND ELECTRIC LINE | - --- | - BITUMINOUS SURFACE (OIL & CHIP) TO BE SCARIFIED |
| - SANITARY MANHOLE | - W | - --- | - AGGREGATE SURFACE TO BE REMOVED |
| - STORM INLET | - U | - --- | - AGGREGATE SURFACE TO BE SCARIFIED |
| - GUY WIRE | - S | - --- | - AGGREGATE SURFACE TO BE REMOVED |
| CS - SANITARY SEWER CLEANOUT | - ST | - --- | - CONCRETE PAVEMENT TO BE REMOVED |
| - FIRE HYDRANT | - TR | - --- | - CONCRETE MEDIAN TO BE REMOVED |
| - WATER VALVE | - T | - --- | - CONCRETE CURB & GUTTER TO BE REMOVED |
| - WATER METER | - T.C.A. | - --- | |
| - TRAFFIC LIGHT | - FLOW LINE | - --- | |
| MB - MAIL BOX | - TC | - --- | |
| - SIGN TO BE REMOVED | - PL | - --- | |
| - SIGN TO BE RELOCATED | - RBV | - --- | |
| - SIGN TO REMAIN | - PERM | - --- | |



- NOTES TO CONTRACTOR**
1. THE EXISTING WATER PUMP STATION LOCATED AT STA. 6+80, 30'RT WILL BE REMOVED AND REPLACED BY OTHERS. (OWNED BY THE LAKESIDE WATER DISTRICT)
 2. ALL EXISTING WATER MAINS, VALVES, HYDRANTS, SERVICES AND METERS LOCATED WITHIN THE CONSTRUCTION LIMITS WILL BE REMOVED AND REPLACED BY OTHERS. (OWNED BY THE LAKESIDE WATER DISTRICT)
 3. ALL EXISTING FENCES, GATES, POSTS, ETC. LOCATED WITHIN THE CONSTRUCTION LIMITS WHICH INTERFERES WITH CONSTRUCTING THE IMPROVEMENTS AS SHOWN WILL BE REMOVED AND REPLACED OR RELOCATED BY OTHERS UNLESS AS OTHERWISE NOTED.
 4. CONTRACTOR TO REMOVE ALL EXISTING PAVEMENT MARKING WITHIN CONSTRUCTION LIMITS THIS SHEET. COST INCIDENTAL TO CONTRACT.

NOTE TO CONTRACTOR
 THE CONTRACTOR SHALL PLANT FOUR (4) NEW EASTERN WHITE PINES (5' HEIGHT MIN.) AT THE FOLLOWING LOCATIONS: STA 12+11, 78'RT; STA 13+20.5, 58'RT; STA 13+65.5, 58'RT; AND STA 14+05, 58'RT. SEE TREE SCHEDULE ON SHEET 3 OF THE PLANS. THE CONTRACTOR SHALL PROVIDE THE OWNER (JOSHUA BLACKBURN) WITH ALL WOOD (I.E. LIMBS, LOGS, CANNOPY CHIPS, ETC.) FROM THE TWO (2) TREES TO BE REMOVED AT STA 13+64, 17'RT (36' WALNUT) AND STA 14+07, 20'RT (8' DAK). ALL WOOD SHALL BE STORED OFF OF ROW NEAR STA 13+80 RT.



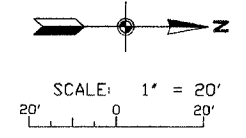
CIP NO. ST0107 - REED STATION ROAD NORTH
REMOVAL PLAN
STA. 11+50 TO STA. 15+50

F. A. U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
9732	00-00102-00-FP	JACKSON	27	21
JOB NO. C-99-033-03	PROJECT NO. M-5008(17)			
CITY OF CARBONDALE	CONTRACT NO. 99175			

LEGEND

□	POWER POLE	— X —	FENCE
□	POWER / TELEPHONE POLE	— GAS —	GAS LINE
□	POWER POLE W/ LIGHT	— FD —	FIBEROPTIC LINE
□	TELEPHONE POLE	— T —	OVERHEAD TELEPHONE LINE
□	TELEPHONE PEDESTAL	— TEL —	UNDERGROUND TELEPHONE LINE
□	SANITARY MANHOLE	— E —	OVERHEAD ELECTRIC LINE
□	STORM INLET	— UE —	UNDERGROUND ELECTRIC LINE
□	GUY WIRE	— W —	WATER LINE
□	SANITARY SEWER CLEANOUT	— S —	SANITARY SEWER LINE
□	FIRE HYDRANT	— SS —	STORM SEWER LINE
□	WATER VALVE	— RCP —	REINFORCED CONCRETE PIPE CULVERT
□	WATER METER	— CMP —	CORRUGATED METAL PIPE CULVERT
□	TRAFFIC LIGHT	— FL —	FLOW LINE
□	MAILBOX	— T.C.A. —	TOP OF CASTING
□		— TC —	TOP OF CURB
□		— PL —	PROPERTY LINE
□		— ROW —	EXISTING RIGHT-OF-WAY-ILL. RT. 13
□		— ROW —	EXISTING RIGHT-OF-WAY-REED STATION ROAD NORTH & REED STATION CROSSING
□		— TEMP —	TEMPORARY CONSTRUCTION EASEMENT AND CONSTRUCTION LIMITS
□		—	PROPOSED BITUMINOUS CONCRETE PAVEMENT
□		—	PROPOSED AGGREGATE SURFACE
□		—	PROPOSED EARTH SHOULDER
□		—	DECIDUOUS TREE
□		—	CONIFEROUS TREE
□		—	BUSH
□		—	EXISTING CONTOUR
□		—	PROPOSED CONTOUR

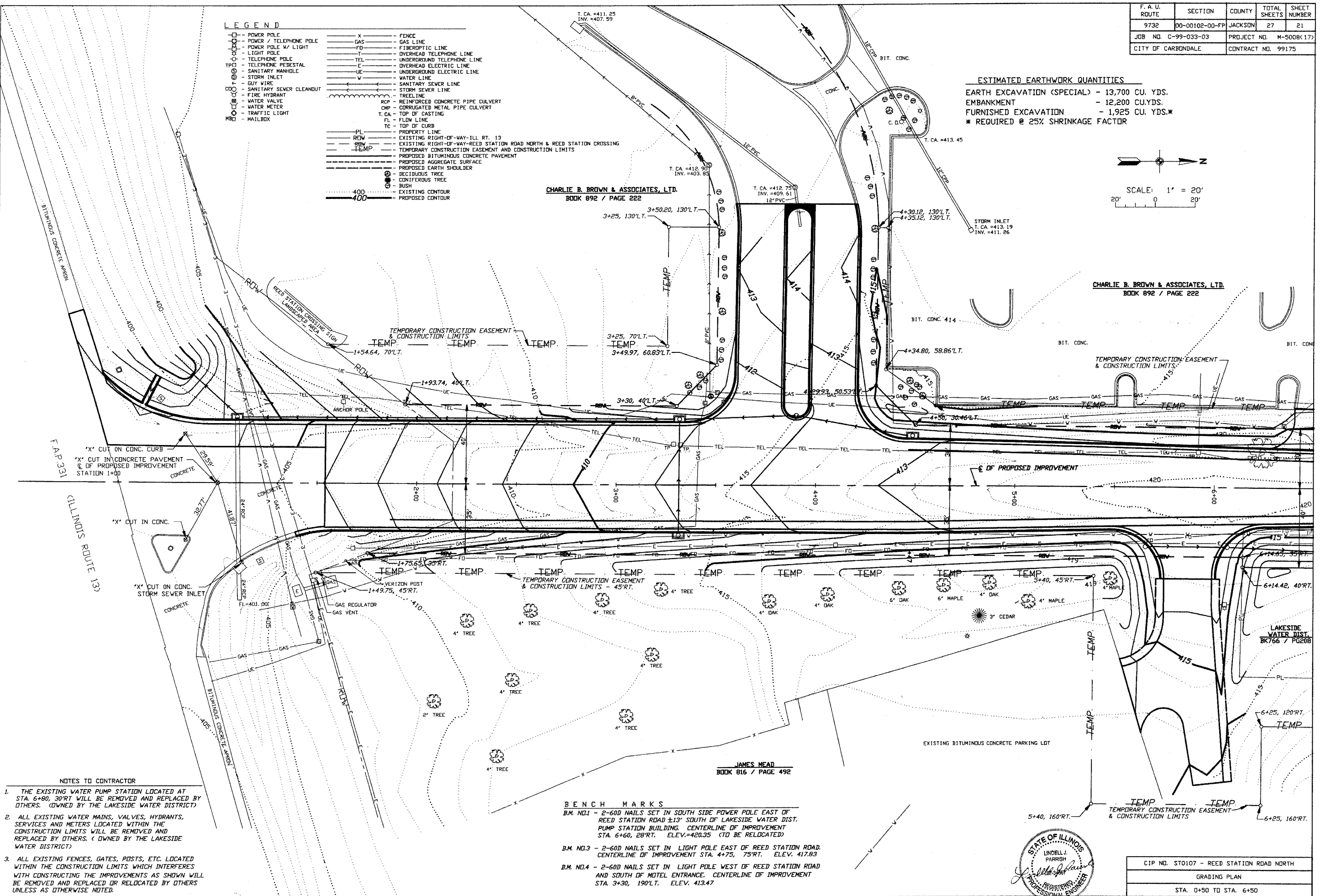
ESTIMATED EARTHWORK QUANTITIES
 EARTH EXCAVATION (SPECIAL) - 13,700 CU. YDS.
 EMBANKMENT - 12,200 CU.YDS.
 FURNISHED EXCAVATION - 1,925 CU. YDS.*
 * REQUIRED @ 25% SHRINKAGE FACTOR



CHARLIE B. BROWN & ASSOCIATES, LTD.
 BOOK 892 / PAGE 222

CHARLIE B. BROWN & ASSOCIATES, LTD.
 BOOK 892 / PAGE 222

JAMES MEAD
 BOOK 816 / PAGE 492



- NOTES TO CONTRACTOR**
1. THE EXISTING WATER PUMP STATION LOCATED AT STA. 6+90, 30'RT WILL BE REMOVED AND REPLACED BY OTHERS. (OWNED BY THE LAKESIDE WATER DISTRICT)
 2. ALL EXISTING WATER MAINS, VALVES, HYDRANTS, SERVICES AND METERS LOCATED WITHIN THE CONSTRUCTION LIMITS WILL BE REMOVED AND REPLACED BY OTHERS. (OWNED BY THE LAKESIDE WATER DISTRICT)
 3. ALL EXISTING FENCES, GATES, POSTS, ETC. LOCATED WITHIN THE CONSTRUCTION LIMITS WHICH INTERFERES WITH CONSTRUCTING THE IMPROVEMENTS AS SHOWN WILL BE REMOVED AND REPLACED OR RELOCATED BY OTHERS UNLESS AS OTHERWISE NOTED.

- BENCH MARKS**
- B.M. NO.1 - 2-60D NAILS SET IN SOUTH SIDE POWER POLE EAST OF REED STATION ROAD ±13' SOUTH OF LAKESIDE WATER DIST. PUMP STATION BUILDING. CENTERLINE OF IMPROVEMENT STA. 6+60, 28'RT. ELEV.=420.35 (TO BE RELOCATED)
 - B.M. NO.3 - 2-60D NAILS SET IN LIGHT POLE EAST OF REED STATION ROAD. CENTERLINE OF IMPROVEMENT STA. 4+75, 75'RT. ELEV. 417.83
 - B.M. NO.4 - 2-60D NAILS SET IN LIGHT POLE WEST OF REED STATION ROAD AND SOUTH OF MOTEL ENTRANCE. CENTERLINE OF IMPROVEMENT STA. 3+30, 190'LT. ELEV. 413.47

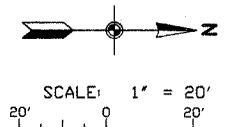
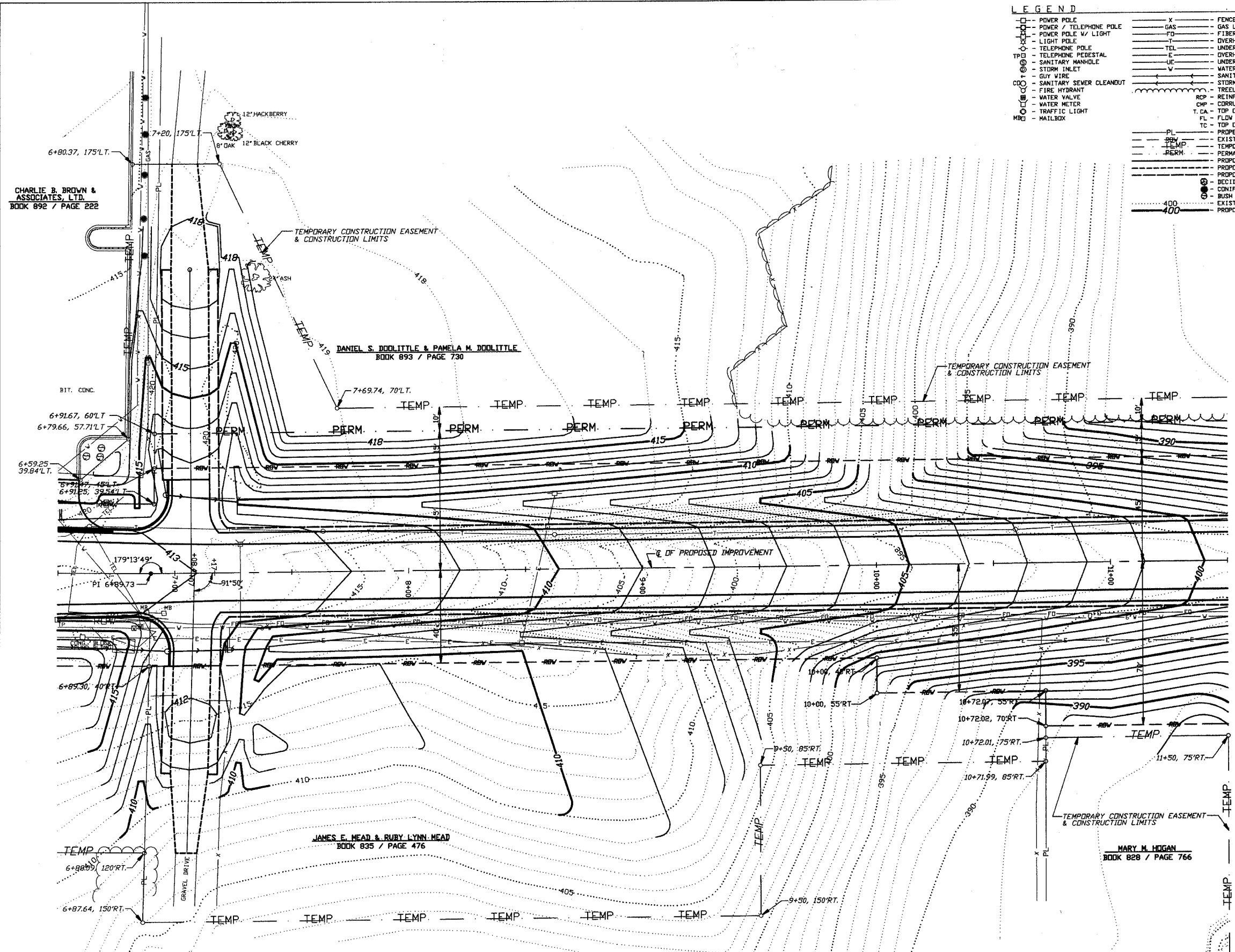


CIP NO. ST0107 - REED STATION ROAD NORTH
GRADING PLAN
STA. 0+50 TO STA. 6+50

F. A. U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
9732	00-00102-00-FP	JACKSON	27	22
JOB NO. C-99-033-03		PROJECT NO. M-5008(17)		
CITY OF CARBONDALE		CONTRACT NO. 99175		

LEGEND

- POWER POLE
- POWER / TELEPHONE POLE
- POWER POLE W/ LIGHT
- LIGHT POLE
- TELEPHONE POLE
- TELEPHONE PEDESTAL
- SANITARY MANHOLE
- STORM INLET
- GUY WIRE
- SANITARY SEWER CLEANOUT
- FIRE HYDRANT
- WATER VALVE
- WATER METER
- TRAFFIC LIGHT
- MAILBOX
- FENCE
- GAS LINE
- FIBEROPTIC LINE
- OVERHEAD TELEPHONE LINE
- UNDERGROUND TELEPHONE LINE
- OVERHEAD ELECTRIC LINE
- UNDERGROUND ELECTRIC LINE
- WATER LINE
- SANITARY SEWER LINE
- STORM SEWER LINE
- REINFORCED CONCRETE PIPE CULVERT
- CORRUGATED METAL PIPE CULVERT
- T. CA. TOP OF CASTING
- FLOW LINE
- FT. TOP OF CURB
- PROPERTY LINE
- EXISTING RIGHT-OF-WAY REED STATION ROAD NORTH
- TEMP. TEMPORARY CONSTRUCTION EASEMENT AND CONSTRUCTION LIMITS
- PERM. PERMANENT EASEMENT
- PROPOSED BITUMINOUS CONCRETE PAVEMENT
- PROPOSED AGGREGATE SURFACE
- PROPOSED EARTH SHOULDER
- DECIDUOUS TREE
- CONIFEROUS TREE
- BUSH
- EXISTING CONTOUR
- PROPOSED CONTOUR

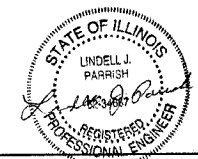


- NOTES TO CONTRACTOR**
1. THE EXISTING WATER PUMP STATION LOCATED AT STA. 6+80, 30'RT WILL BE REMOVED AND REPLACED BY OTHERS. (OWNED BY THE LAKESIDE WATER DISTRICT)
 2. ALL EXISTING WATER MAINS, VALVES, HYDRANTS, SERVICES AND METERS LOCATED WITHIN THE CONSTRUCTION LIMITS WILL BE REMOVED AND REPLACED BY OTHERS. (OWNED BY THE LAKESIDE WATER DISTRICT)
 3. ALL EXISTING FENCES, GATES, POSTS, ETC. LOCATED WITHIN THE CONSTRUCTION LIMITS WHICH INTERFERES WITH CONSTRUCTING THE IMPROVEMENTS AS SHOWN WILL BE REMOVED AND REPLACED OR RELOCATED BY OTHERS UNLESS AS OTHERWISE NOTED.

BENCH MARKS (TO BE RELOCATED)

B.M. NO.1 - 2-60D NAILS SET IN SOUTH SIDE POWER POLE EAST OF REED STATION ROAD #3' SOUTH OF LAKESIDE WATER DIST. PUMP STATION BUILDING. CENTERLINE OF IMPROVEMENT STA. 6+60, 28'RT. ELEV.=420.35

B.M. NO.2 - 2-60D NAILS SET IN WEST SIDE POWER POLE EAST OF REED STATION ROAD. CENTERLINE OF IMPROVEMENT STA. 11+60, 34'RT. ELEV.=389.97



CIP NO. ST0107 - REED STATION ROAD NORTH
GRADING PLAN
STA. 6+50 TO STA. 11+50

CHARLIE B. BROWN & ASSOCIATES LTD.
BOOK 892 / PAGE 222

DANIEL S. DOOLITTLE & PAMELA M. DOOLITTLE
BOOK 893 / PAGE 730

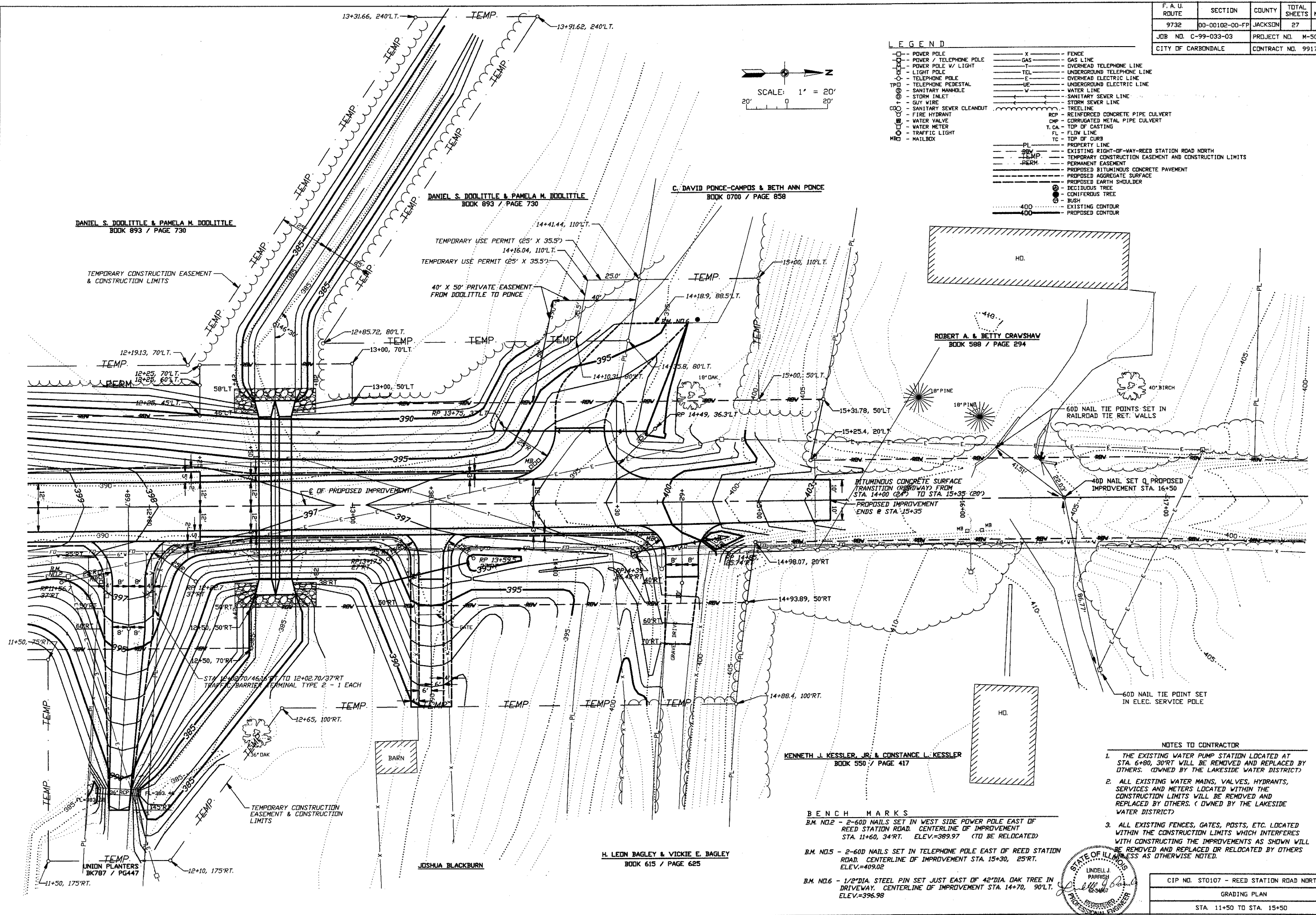
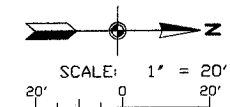
JAMES E. HEAD & RUBY LYNN HEAD
BOOK 835 / PAGE 476

MARY M. HOGAN
BOOK 828 / PAGE 766

F. A. U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
9732	00-00102-00-FP	JACKSON	27	23
JOB NO. C-99-033-03	PROJECT NO. M-5008(17)			
CITY OF CARBONDALE	CONTRACT NO. 99175			

LEGEND

- POWER POLE
- POWER / TELEPHONE POLE
- LIGHT POLE
- TELEPHONE POLE
- TELEPHONE PEDESTAL
- SANITARY MANHOLE
- STORM INLET
- GUY WIRE
- SANITARY SEWER CLEANOUT
- FIRE HYDRANT
- WATER VALVE
- WATER METER
- TRAFFIC LIGHT
- MAILBOX
- FENCE
- GAS LINE
- OVERHEAD TELEPHONE LINE
- UNDERGROUND TELEPHONE LINE
- OVERHEAD ELECTRIC LINE
- UNDERGROUND ELECTRIC LINE
- WATER LINE
- SANITARY SEWER LINE
- STORM SEWER LINE
- TREE LINE
- REINFORCED CONCRETE PIPE CULVERT
- CORRUGATED METAL PIPE CULVERT
- TOP OF CASTING
- FLOW LINE
- TOP OF CURB
- PROPERTY LINE
- EXISTING RIGHT-OF-WAY-REED STATION ROAD NORTH
- TEMPORARY CONSTRUCTION EASEMENT AND CONSTRUCTION LIMITS
- PERM - PERMANENT EASEMENT
- PROPOSED BITUMINOUS CONCRETE PAVEMENT
- PROPOSED AGGREGATE SURFACE
- PROPOSED EARTH SHOULDER
- DECIDUOUS TREE
- CONIFEROUS TREE
- BUSH
- EXISTING CONTOUR
- PROPOSED CONTOUR



DANIEL S. DOOLITTLE & PAMELA M. DOOLITTLE
BOOK 893 / PAGE 730

DANIEL S. DOOLITTLE & PAMELA M. DOOLITTLE
BOOK 893 / PAGE 730

C. DAVID PONCE-CAMPOS & BETH ANN PONCE
BOOK 0700 / PAGE 858

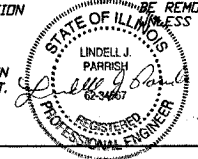
ROBERT A. & BETTY CRAWSHAW
BOOK 588 / PAGE 294

KENNETH J. KESSLER, JR. & CONSTANCE L. KESSLER
BOOK 550 / PAGE 417

H. LEON BAGLEY & VICKIE E. BAGLEY
BOOK 615 / PAGE 625

JOSHUA BLACKBURN

UNION PLANTERS
BK787 / PG447



- NOTES TO CONTRACTOR**
- THE EXISTING WATER PUMP STATION LOCATED AT STA. 6+80, 30'RT WILL BE REMOVED AND REPLACED BY OTHERS. (OWNED BY THE LAKESIDE WATER DISTRICT)
 - ALL EXISTING WATER MAINS, VALVES, HYDRANTS, SERVICES AND METERS LOCATED WITHIN THE CONSTRUCTION LIMITS WILL BE REMOVED AND REPLACED BY OTHERS. (OWNED BY THE LAKESIDE WATER DISTRICT)
 - ALL EXISTING FENCES, GATES, POSTS, ETC. LOCATED WITHIN THE CONSTRUCTION LIMITS WHICH INTERFERES WITH CONSTRUCTING THE IMPROVEMENTS AS SHOWN WILL BE REMOVED AND REPLACED OR RELOCATED BY OTHERS AT THE CONTRACTOR'S EXPENSE AS OTHERWISE NOTED.

- BENCH MARKS**
- B.M. NO.2 - 2-60D NAILS SET IN WEST SIDE POWER POLE EAST OF REED STATION ROAD. CENTERLINE OF IMPROVEMENT STA. 11+60, 34'RT. ELEV.=389.97 (TO BE RELOCATED)
 - B.M. NO.5 - 2-60D NAILS SET IN TELEPHONE POLE EAST OF REED STATION ROAD. CENTERLINE OF IMPROVEMENT STA. 15+30, 25'RT. ELEV.=409.02
 - B.M. NO.6 - 1/2" DIA. STEEL PIN SET JUST EAST OF 42" DIA. DAK TREE IN DRIVEWAY. CENTERLINE OF IMPROVEMENT STA. 14+70, 90'LT. ELEV.=396.98

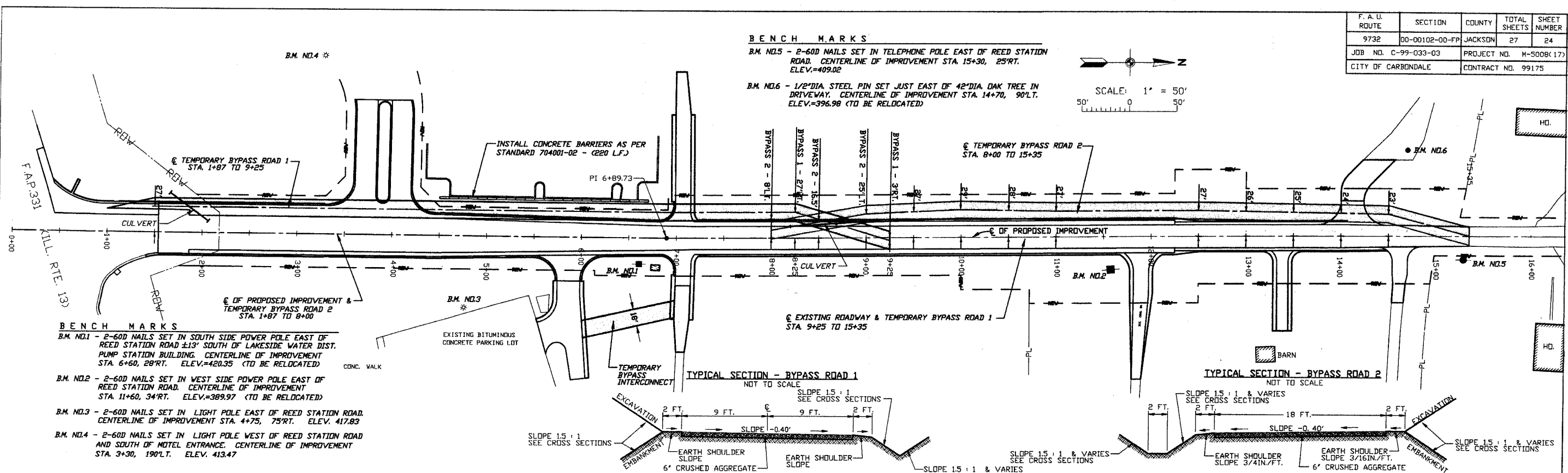
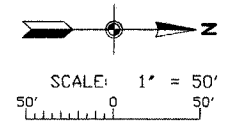
CIP NO. ST0107 - REED STATION ROAD NORTH
GRADING PLAN
STA. 11+50 TO STA. 15+50

F. A. U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
9732	00-00102-00-FP	JACKSON	27	24
JOB NO. C-99-033-03		PROJECT NO. M-5008(17)		
CITY OF CARBONDALE		CONTRACT NO. 99175		

BENCH MARKS

B.M. NO.5 - 2-60D NAILS SET IN TELEPHONE POLE EAST OF REED STATION ROAD. CENTERLINE OF IMPROVEMENT STA. 15+30, 25'RT. ELEV.=409.02

B.M. NO.6 - 1/2" DIA. STEEL PIN SET JUST EAST OF 42" DIA. OAK TREE IN DRIVEWAY. CENTERLINE OF IMPROVEMENT STA. 14+70, 90'L.T. ELEV.=396.98 (TO BE RELOCATED)



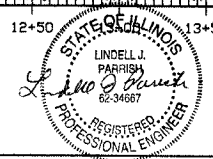
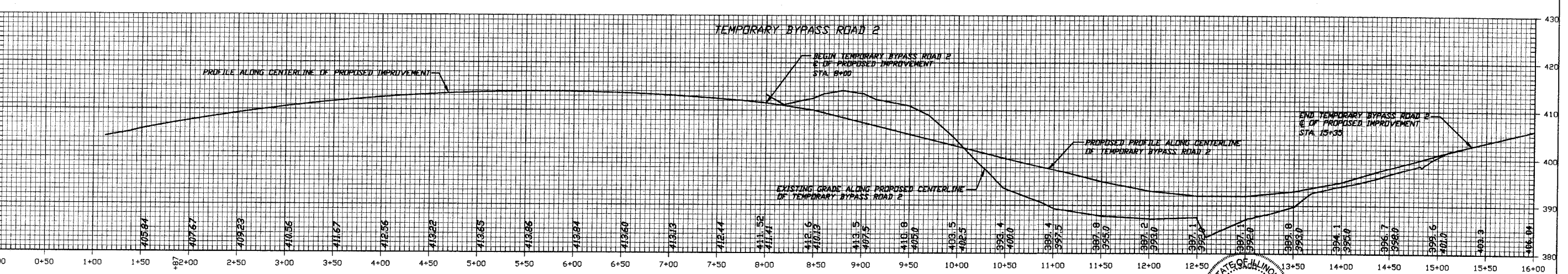
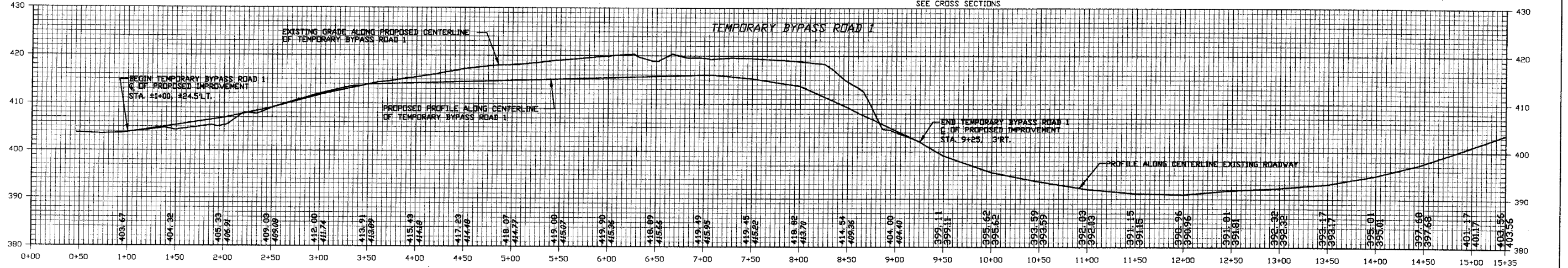
BENCH MARKS

B.M. NO.1 - 2-60D NAILS SET IN SOUTH SIDE POWER POLE EAST OF REED STATION ROAD ±13' SOUTH OF LAKESIDE WATER DIST. PUMP STATION BUILDING. CENTERLINE OF IMPROVEMENT STA. 6+60, 28'RT. ELEV.=420.35 (TO BE RELOCATED)

B.M. NO.2 - 2-60D NAILS SET IN WEST SIDE POWER POLE EAST OF REED STATION ROAD. CENTERLINE OF IMPROVEMENT STA. 11+60, 34'RT. ELEV.=389.97 (TO BE RELOCATED)

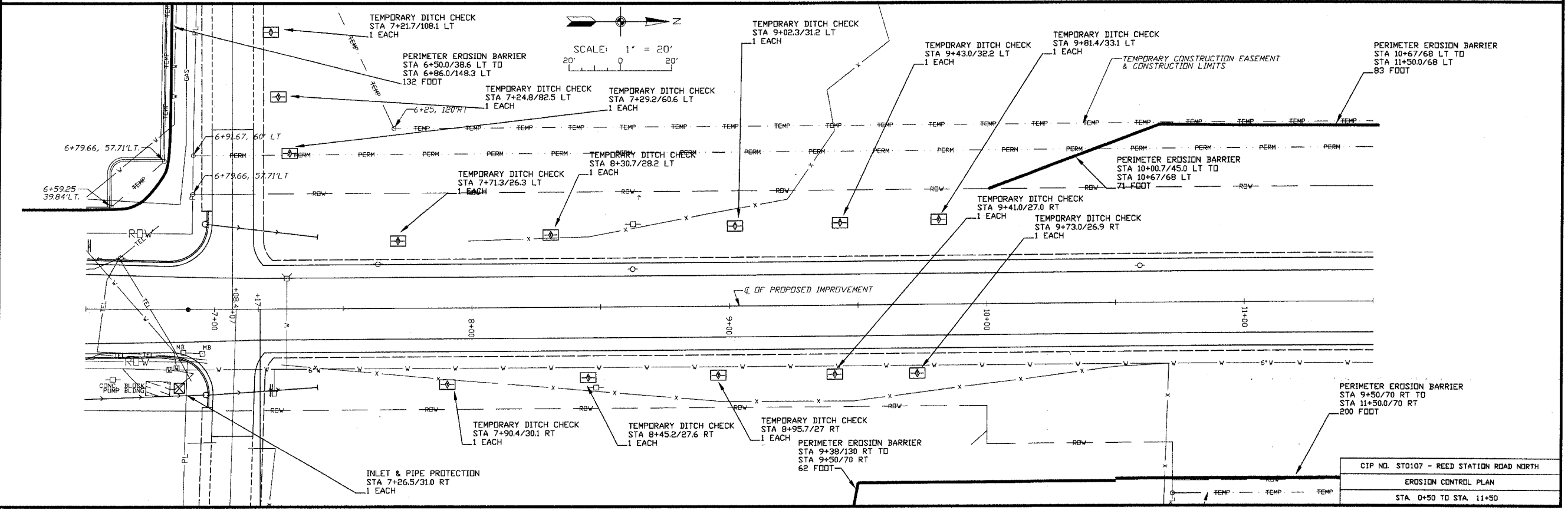
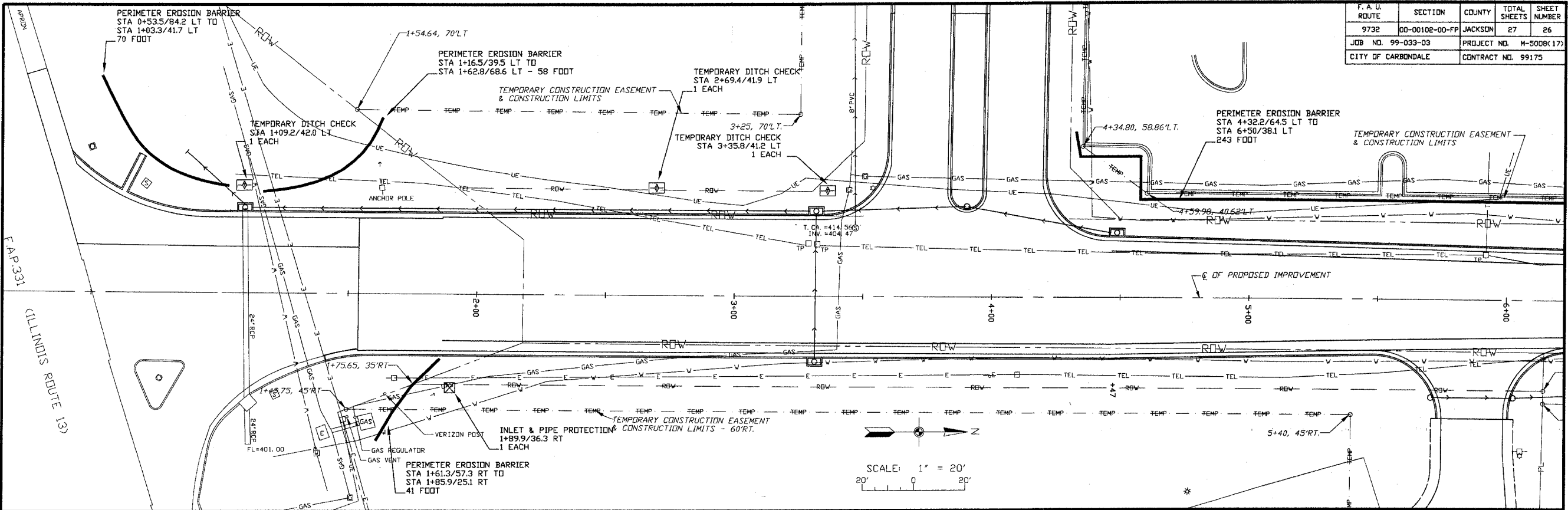
B.M. NO.3 - 2-60D NAILS SET IN LIGHT POLE EAST OF REED STATION ROAD. CENTERLINE OF IMPROVEMENT STA. 4+75, 75'RT. ELEV. 417.83

B.M. NO.4 - 2-60D NAILS SET IN LIGHT POLE WEST OF REED STATION ROAD AND SOUTH OF HOTEL ENTRANCE. CENTERLINE OF IMPROVEMENT STA. 3+30, 190'L.T. ELEV. 413.47



CIP NO. ST0107 - REED STATION ROAD NORTH
 PLAN AND PROFILE - TEMPORARY BYPASS ROADS
 STA. 1+00 TO STA. 15+50

F. A. U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
9732	00-00102-00-FP	JACKSON	27	26
JOB NO. 99-033-03	PROJECT NO. M-5008(17)			
CITY OF CARBONDALE	CONTRACT NO. 99175			



CIP NO. ST0107 - REED STATION ROAD NORTH	
EROSION CONTROL PLAN	
STA. 0+50 TO STA. 11+50	

