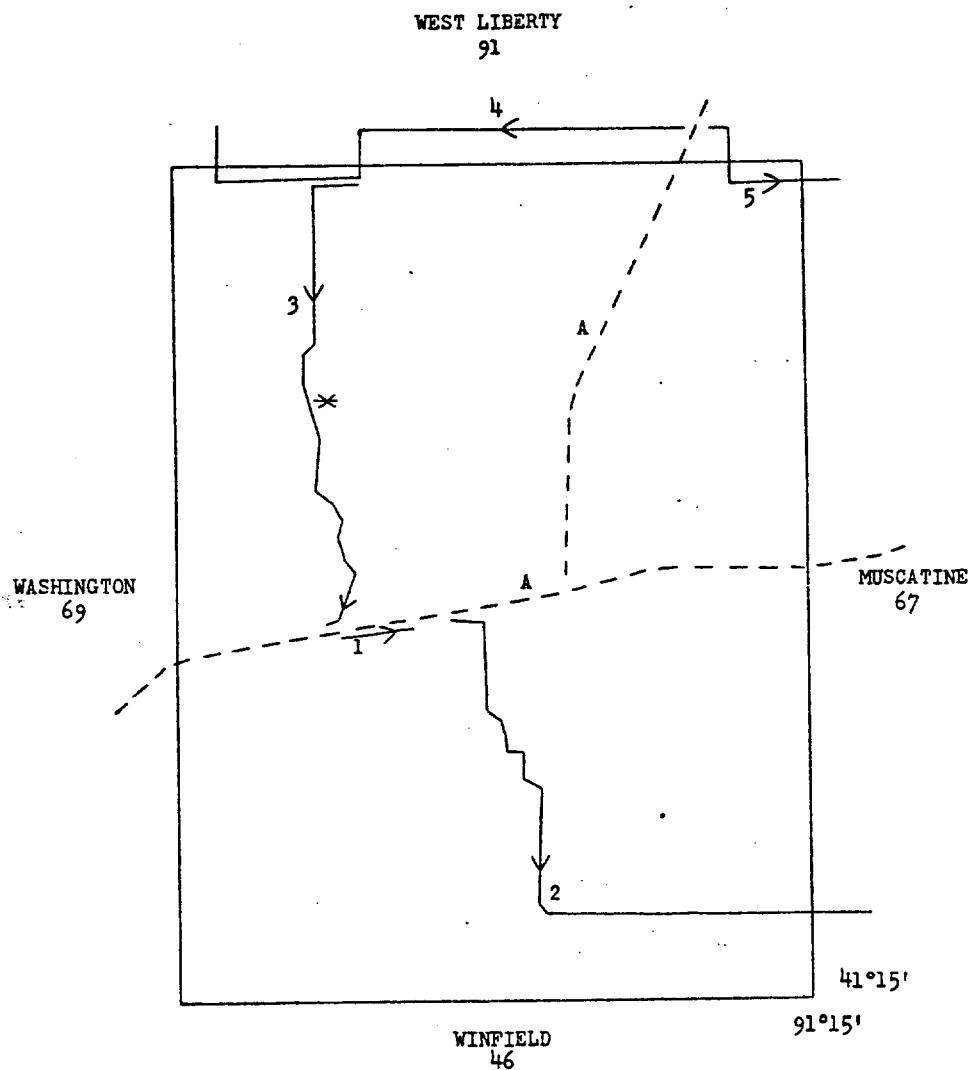


Edition of 12/13/68
PR: ADP/PH/kw

COLUMBUS JUNCTION QUADRANGLE
68 - IOWA
N4115-W9115/15
DIAGRAM NK 15-9
Davenport, Ill.-Iowa



A = Quadrangle No. 410912

68 D

2
COLUMBUS JUNCTION QUADRANGLE
68 - IOWA

FEET

LINE 1

S. E. Mitchell, 1968; Book CV-2330

COLUMBUS JUNCTION QUAD. - 68

- | | | | | |
|---|-----|--|---|---------|
| 1 | 2 | 0.0 | At Gladwin, Louisa County, on the Chicago, Milwaukee, St. Paul & Pacific RR., about 500 ft W. of the station, about 700 ft W. of MP 49, at bridge 1052, in the E. end of the revetment wall on the N. side of the track, and near a post supporting the railing. A standard disk, stamped "599.100 E 8 1930" The depot at Gladwin was destroyed by fire and never replaced. | 599.100 |
| 2 | 0.6 | UE, 12 ft S. of center track at W. end of RR. bridge over Iowa River, on SW. concrete abutment of bridge, chiseled square | | 601.38 |
| 3 | 1.5 | Top of N. rail at farm RR. crossing | | 611.8 |
| 4 | 2.1 | In Louisa Co., 2.75 mi W. along the C. M. St.P. & P. RR. from Cone, Muscatine Co., 110 ft NW. of MP 47, 250 ft W. of a rd. crossing, 26 ft N. of the center of the track, and 2 ft N. of the cor. post of a cattle guard. A standard disk stamped "612.354 F 8 1930" and set in the top of a concrete post | | 612.354 |

LINE 2

S. E. Mitchell, 1968; Book CV-2330

COLUMBUS JUNCTION QUAD. - 68

- | | | | | |
|----|-----|---|----------------------------------|---------|
| 1 | 5 | 0.0 | "F 8 1930" (Described in Line 1) | 612.354 |
| 5 | 0.1 | Center of rd. at RR. crossing, copper nail and washer | | 615.1 |
| 6 | 1.2 | UE, T. 75 N., R. 5 W., near quarter cor. between secs. 24 and 25, 51 ft S. and 27 ft W. of crossroads, on S. end of concrete pipe culvert, under driveway to Oakland Center School, chiseled square, painted "UE" | | 609.38 |
| 7 | 1.2 | Center of crossroads | | 611.2 |
| 8 | 1.7 | Center of rd. at fence and drive W. | | 611.51 |
| 9 | 2.1 | Columbus Junction 6.3 mi N. of Jct. Hwys. 92 and 76, T. 76 N., R. 5 W., near quarter cor. between secs. 25 and 36, 170 ft N. and 33 ft E. of crossroads, 9 ft N. of power pole, 28 ft S. and 1.5 ft W. of fence cor., 1.5 ft W. of fence, 1 ft W. of witness tag, a bronze cap in 6 in. tile stamped "3 SEM 1968", painted BM | | 609.122 |
| 10 | 2.2 | Reference mark, 145 ft S. of tablet, 48 ft N. and 18 ft E. of crossroads, on concrete pipe culvert; chiseled square | | 607.17 |
| 11 | 2.2 | Center of crossroads | | 609.0 |
| 12 | 2.9 | UE, T. 76 N., R. 5 W., near S. sixteenth cor. sec. 36, 165 ft N. and 24 ft E. of T-rd. E., 12 ft N. and 24 ft E. of drive E. into farmhouse, on concrete pipe culvert; chiseled square, painted UE | | 605.57 |
| 13 | 2.9 | Center of rd. at T-rd. E. | | 604.7 |
| 14 | 3.5 | Center of wooden bridge over small creek, copper nail and washer painted center-line | | 592.2 |
| 15 | 4.6 | Columbus Junction, 3.9 mi N. of Jct. of Hwys. 92 and 76, T. 75 N., R. 4 W., near center of SW 1/4 sec. 6, 48 ft N. and 69 ft E. of field entrance at rd. curve S. and W., 48 ft N. and 95 ft W. of gate in fence, 5 ft N. and 6 ft W. of telephone pole, 2.5 ft S. of fence, 1 ft S. of witness tag, a bronze cap in 6 in. tile, stamped "4 SEM 1968", painted BM | | 607.575 |

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COLUMBUS JUNCTION QUADRANGLE
68 - IOWA

FEET

LINE 2 (Cont'd)

COLUMBUS JUNCTION QUAD. - 68

1 16	4.7	Reference mark, 550 ft SE. of tablet, 10 ft N. and 26 ft E. of rd. at field entrance E., on N. end of concrete pipe culvert; chiseled square	602.99
17	5.6	UE, T. 75 N., R. 4 W., near center of sec. 7, 24 ft N. and 30 ft W. of State Hwy. 76 at T-rd. W., on concrete pipe culvert; chiseled square, painted UE	598.51
18	5.6	Center of Hwy. 76 at T-rd. W., copper nail and washer	599.5
19	6.1	Center of State Hwy. 76 at E.-W. driveway, copper nail and washer, painted centerline	593.6
20	7.4	USED disk on RR. bridge across Iowa River N. of Columbus Junction. Elev. by USGS	589.062
21	7.5	ISHC plug on State Hwy. 76 bridge over Iowa River, N. of Columbus Junction. Elev. by USGS	589.921
22	8.1	UE, Columbus Junction, N. edge of, on State Hwy. 76, 15 ft E. of center of rd., on NE. concrete wingwall of bridge over small creek, chiseled square, painted UE	592.36
23	8.6	UE, Columbus Junction, SE. part of, on State Hwy. 92, 18 ft N. and 7.5 ft W. of cross street, street N. leads to town and street S. leads to race track, on E. concrete drain curb; chiseled square painted UE	586.01
24	8.6	Center of Hwy. at cross street	585.7
25	9.1	USED, on hwy. bridge over Iowa River, 0.5 mi E. of Columbus Junction. Elev. by USGS	586.722
26	9.5	UE, about 0.35 mi S. of Fredonia, 35 ft S. and 123 ft W. of jct. of State Hwy. 92 and T-rd. leading to Fredonia, 19 ft S. of center of rd. on W. concrete curb of drain outlet, chiseled square, painted UE	587.219
27	9.6	Center of Hwy. 92 at T-rd. N.	586.6
28	10.0	Center of State Hwy. 92 at T-rd. N., chiseled square on S. edge of pavement, painted centerline	591.1
29	10.5	Center of State Hwy. 92 at T-rd. S.	599.8
30	10.5	UE, T. 75 N., R. 4 W., near quarter cor. between secs. 21 and 28, 15 ft S. and 106 ft E. of State Hwy. 92 at T-rd. S., on W. concrete curbing of drain outlet, chiseled square, painted UE	599.97
31	11.5	UE, T. 75 N., R. 4 W., near quarter cor. between secs. 22 and 27, 16 ft S. and 18 ft E. of field rd. S., on SW. concrete wingwall of bridge over drainage ditch, chiseled square, painted UE	601.99
32	12.0	State Hwy. 92 at T-rd. N., chiseled square on S. edge of pavement, painted centerline	619.8
33	12.5	Columbus Junction, E. of, along State Hwy. 92 from jct. of State Hwy. 76, Grandview, 5 mi W. of along State Hwy. 92, 34 ft N. and 238 ft W. of crossroads, T. 75 N., R. 4 W., near quarter cor. between secs. 23 and 26, on E. end of concrete headwall of cattle pass culvert under hwy., a standard disk embedded in headwall, stamped "5 SEM 1968", painted BM	623.208
34	12.5	Reference mark, 259 ft SE. of tablet, 36 ft S. and 21 ft E. of crossroads, on concrete pipe culvert, chiseled square	631.77

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COLUMBUS JUNCTION QUADRANGLE
68 - IOWA

FEET

LINE 2 (Cont'd)

COLUMBUS JUNCTION QUAD. - 68

1 35	12.6	Center of Hwy. 92 at crossroads, chiseled cross on N. edge of pavement	632.5
36	13.1	State Hwy. 92 at fence S., chiseled square on S. edge of pavement, painted Centerline	629.2
37	14.0	UE, T. 75 N., R. 4 W., near E. sixteenth cor. between secs. 24 and 25, 16 ft N. of center of rd., on NW. concrete wingwall of bridge over Indian Creek, chiseled square, painted UE	610.95
38	14.3	State Hwy. 92 at crossroads, chiseled square on S. edge of pavement, painted Centerline	635.90

MUSCATINE QUAD. - 67

40	16.1	Letts, 3.5 mi S. and 1.0 mi E. of, 1.5 mi W. along Hwy. 92 from Grandview near cor. of secs. 20, 21, 28 and 29, T. 75 N., R. 3 W., in center of N. headwall of a concrete box culvert; 2.7 ft lower than center of rd. at Owl; 7.1 ft above culvert floor; a standard tablet stamped "3 DRL 1964"	642.209
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LINE 3

S. E. Mitchell, 1968; Book CV-2330

COLUMBUS JUNCTION QUAD. - 68

3 2	0.0	Lone Tree, 0.2 mi N. of; T. 77 N., R. 5 W., cor. secs. 3, 4, 9 and 10; 200 ft N. and 36 ft E. and 1.8 ft lower than crossroads; 1 ft SE. of power pole projecting 1 in. above ground; standard tablet in top of concrete post; stamped "720 13 LMT 1963", painted "BM 719.5" NOTE: "TT 9 S 1929" which was located near this point has been destroyed	719.605
3	1.0	Center of crossroads, copper nail and washer	672.8
4	2.0	Lone Tree, 0.5 mi S. and 1 mi W. of, T. 77 N., R. 5 W., near cor. secs. 8, 9, 16 and 17, 259 ft N. and 36 ft E. of crossroads, 1.5 ft W. of fence, 1 ft W. of witness post, a standard tablet on steel rod encased with 6 in. tile, stamped "6 SEM 1968", painted BM	665.550
5	2.0	Reference mark, 238 ft S. of tablet, 21 ft N. and 18 ft E. of crossroads, on W. end of concrete headwall of culvert; chiseled square	666.11
6	2.0	Center of crossroads	665.4
7	2.5	UE, T. 77 N., R. 5 W., near quarter cor. between secs. 16 and 17, 18 ft N. and 21 ft E. of T-rd. E., on corrugated pipe culvert; chiseled cross, painted UE	656.98
8	2.6	Center of N.-S. rd. at T-rd. E.	658.4
9	3.0	UE, T. 77 N., R. 5 W., near cor. secs. 16, 17, 20 and 21, 133 ft N. and 9 ft W. of crossroads, on top of rivet of footplate of steel truss at SW. cor. of the bridge; chiseled cross, painted UE	650.61
10	3.1	Center of crossroads	651.8
11	3.8	Lone Tree, 2.25 mi S. and 1 mi W. of, T. 77 N., R. 5 W., about 0.25 mi N. of cor. secs. 20, 21, 28 and 29, 12 ft S. and 34 ft E. of field entrance to corn crib, in concrete post; a standard USC&GS and State Survey tablet stamped "52 No 775.213" Elev. by USGS	659.556

		<u>FEET</u>
<u>LINE 3 (Cont'd)</u>		
<u>COLUMBUS JUNCTION QUAD. - 68</u>		
3 12	4.1 Center of crossroads	656.7
13	4.1 UE, T. 77 N., R. 5 W., near cor. secs. 20, 21, 28 and 29, 35 ft S. and 35 ft E. of crossroads, rail spike in W. side of power pole, painted UE	657.17
14	4.8 Center of E.-W. rd. at T-rd. S., rail spike in rd.	639.5
15	5.0 UE, T. 77 N., R. 5 W., near E. sixteenth cor. sec. 29, 580 ft S. and 9 ft W. of T-rd. S., at NW. cor. of wooden bridge over small branch, on top of wood piling, copper nail and washer, painted UE	638.05
16	5.3 Center of rd. at E.-W. fence	645.6
17	5.9 UE, T. 77 N., R. 5 W., near E. sixteenth cor. sec. 32, 18 ft S. and 27 ft E. of T-rd. E., on concrete headwall of culvert; chiseled square, painted UE	628.35
<u>SPUR LINE</u>		
17	0.0 UE, described above	628.35
18	0.7 Reference Mark No. 1 is 54.40 ft (16.581 meters) E. of station, 30 ft S. of center of the rd., 65 ft SW. of center of the rd. at a drive N. to a trailer house and 1 ft N. of the right-of-way fence and a metal witness post	674.017
19	0.7 USCGS Triangulation Station "FREMONT 1968". The station is located about 4.0 mi S. and 0.6 mi W. of Lone Tree, near the center of sec. 33, T. 77 N., R. 5 W., in the right-of-way of an E.-W. gravel rd., on top of a low embank. Station and reference marks are standard tablets stamped "FREMONT 1968", crimped on 10 ft lengths of copper coated rod, driven flush with the ground and set in 6 in. tile filled with gravel. Station is 386 ft E. of center of the gravel rd. at a fence S., 117 ft W.-SW. of center of the gravel rd. at drive N. to a trailer house, 30 ft S. of center of the E.-W. gravel rd. and 1 ft N. of the right-of-way fence and a metal witness post	673.807
20	0.8 Reference Mark No. 2 is 56.51 ft (17.224 meters) W. of station, 50 ft SW. of center of rd. at a drive N. to a barn, 29 ft S. of center of the rd. and 1 ft N. of the right-of-way fence and a metal witness post	673.073
17	5.9 UE, described above	628.35
<u>END OF SPUR LINE</u>		
22	6.8 UE, T. 76 N., R. 5 W., in SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 4, 78 ft N. and 21 ft W. of T-rd. W., on concrete headwall of culvert; chiseled square, painted UE	604.73
23	6.8 Center of rd. at T-rd. E.	609.1
24	7.4 Lone Tree, 5.5 mi S. and 1.0 mi W. of (airline), T. 76 N., R. 5 W., near cor. secs. 4, 5, 8 and 9, 188 ft N. and 31 ft E. of T-rd. W. to white farmhouse, 2 ft W. of fence, 1 ft W. of witness tag, a standard tablet on steel rod encased with 6 in. tile, stamped "7 SEM 1968", painted BM	604.247
25	7.4 Reference mark, 184 ft SW. of tablet, 12 ft N. and 30 ft W. of T-rd. W., on concrete pipe culvert; chiseled square	601.35
26	7.4 Center rd. at T-rd. W.	603.1
27	8.1 UE, T. 76 N., R. 5 W., near W. sixteenth cor. sec. 9, 124 ft N. and 27 ft E. of T-rd. E., in root on W. side of 36 in. maple tree, copper nail and washer, painted UE	600.76

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COLUMBUS JUNCTION QUADRANGLE
68 - IOWA

FEET

LINE 3 (Cont'd)

COLUMBUS JUNCTION QUAD. - 68

3 28	8.2	Center of rd. at T-rd. E.	601.6
29	9.4	UE, T. 76 N., R. 5 W., near center of sec. 16, 36 ft S. and 25 ft W. of T-rd. E. rail spike in E. side of telephone pole, painted UE	610.69
30	9.4	Center of rd. at T-rd. E.	613.0
31	10.1	Gladwin, 1.5 mi N. of, T. 76 N., R. 5 W., near E. sixteenth cor. between secs. 16 and 21, 30 ft N. of rd. 364 ft E. of T-rd. S., at N. end of steel bridge over Iowa River, 1.8 ft S. of fence and 1.2 ft S. of witness tag, a standard tablet on steel rod encased in 6 in. tile, stamped "8 SEM 1968", painted BM	600.508
32	10.2	Reference mark, 346 ft W. of tablet, on NE. piling, on N. rivet of toe plate of steel truss, chiseled cross	603.49
33	10.2	Center rd. at T-rd. S.	604.0
34	10.3	Center of rd. fork S. end of bridge over Iowa River	595.8
35	11.2	UE, Gladwin, 0.5 mi NE. of along rd., 14 ft E. and 1.5 ft higher than center of rd., on concrete headwall of culvert, chiseled square, painted UE	610.64
36	11.6	"E 8 1930" (Described in Line 1)	599.100

LINE 4

L. M. Tackett, 1963; Book CV-1600

WEST LIBERTY QUAD. - 91

This line replaces line by W. R. Broadus, 1930

0.0	West Liberty, 3.4 mi SW. along the Chicago, Rock Island and Pacific RR. from the station at; 3 poles NE. of MP 58; at public rd. crossing, 18 ft SE. of the center of rd., 9 ft NW. of the center of track, in top of SW. end of NW. concrete headwall, 1.5 ft lower than track; a USC&GS standard disk stamped "D 77 1934" This point is near "TT 6 S 1929" which has been destroyed	647.102
1.1	UE D 77 A, T. 77 and 78 N., R. 4 W., quarter cor. between secs. 2 and 35, 67 ft N., 31 ft W. and 2.5 ft lower than T-rd. W.; a punched hole; on W. end of steel pipe culvert; painted "UE 637.4"	637.4
1.6	UE D 77 B, T. 77 and 78 N., R. 4 W., cor. secs. 2, 3, 34 and 35; top of E. rail of center of E.-W. rd.; painted "UE Centerline 638.7"	638.7
2.6	UE D 77 C, T. 77 and 78 N., R. 4 W., cor. secs. 3, 4, 33 and 34; 74 ft N. and 26 ft W. and 1.7 ft lower than crossroads; a punched hole in W. end of steel pipe culvert; painted "UE 669.0"	669.0
3.6	Reference mark, 28 ft N. and 18 ft E. of T-rd. N.; punched hole in E. end of steel pipe culvert	712.95
3.6	West Liberty, 3.8 mi S. and 2.6 mi W. of; T. 77 and 78 N., R. 4 W., at cor. secs. 4, 5, 32 and 33; 42 ft N. and 30 ft W. and 0.9 ft higher than T-rd. N.; 5 ft N. of fence cor., and projecting 2 in. above the ground; standard tablet in top of concrete post; stamped "715 11 LMT 1963" painted "BM 715.2" NOTE: "TT 7 S 1929" which was located near this point has been destroyed	715.220
4.6	UE 11 LMT A, T. 77 and 78 N., R. 4 W., cor. secs. 5, 6, 31 and 32; 30 ft S., 23 ft E. and 3 ft lower than crossroads; punched hole; E. end of steel pipe culvert; painted "UE 722.9"	723.0

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COLUMBUS JUNCTION QUADRANGLE
68 - IOWA

FEET

LINE 4 (Cont'd)

WEST LIBERTY QUAD. - 91

- 5.6 UE 11 LMT B, T. 77 and 78 N., R. 4 and 5 W., cor. secs. 1, 6, 31 and 36; 29 ft S., 28 ft ft W. and 1.2 ft lower than crossroads; chiseled square; N. end of concrete tile culvert; under field rd.; painted "UE 734.1" 734.21
- 6.6 Lone Tree, 1.2 mi N. and about 1.5 mi E. of; Tps. 77 and 78 N., R. 5 W., at cor. secs. 1, 2, 35 and 36; 32 ft N., 34 ft W. and 1.8 ft lower than T-rd. S.; about 1.5 ft S. of power pole set flush with ground; standard tablet in top of concrete post; stamped "705 12 LMT 1963" painted "BM 704.6" NOTE: "TT 8 S 1929; which was near this point has been destroyed" 704.646
- 6.6 Reference mark, 19 ft S., 162 ft W. of T-rd. S.; punched hole in S. end of steel pipe culvert 701.83
- 7.6 UE 12 LMT A; Tps. 77 and 78 N., R. 5 W., cor. secs. 2, 3, 34 and 35; 16 ft S., 19 ft W. and 0.5 ft lower than crossroads; punched hole W. end of steel pipe culvert; painted "UE 726.4" 726.5
- 8.7 UE, Tps. 77 and 78 N., Rs. 5 and 6 W., near cor. secs. 3, 4, 33 and 34; top of E. head-wall of concrete culvert under hwy.; chiseled square; 2.9 ft lower than rd. at culvert; painted "UE 704.4" 704.51

COLUMBUS JUNCTION QUAD. - 68

- 9.7 Lone Tree, 0.2 mi N. of; T. 77 N., R. 5 W., cor. secs. 3, 4, 9 and 10; 200 ft N. and 36 ft E. and 1.8 ft lower than crossroads; 1 ft SE. of power pole projecting 1 in. above ground; standard tablet in top of concrete post; stamped "720 13 LMT 1963" painted "BM 719.5" NOTE: "TT 9 S 1929" which was located near this point has been destroyed 719.605
- 9.7 Reference mark, 16 ft N. and 16 ft W. of crossroads; chiseled square on SW. cor. of curb of NE. island 721.70
- 10.8 UE 13 LMT A; T. 77 N., R. 5 W., cor. secs. 4, 5, 8 and 9, 21 ft N., 45 ft E. and 1.1 ft lower than crossroads; bolt and washer with letters I.H.C., B.M. on it; in center of N. headwall of culvert; painted "UE 671.6" 671.67
- 11.8 UE, 13 LMT B; T. 77 N., R. 5 W., cor. secs. 5, 6, 7 and 8; copper nail and washer in asphalt Hwy. 22 at cross fences; painted "UE Centerline 655.8" 655.93
- 12.8 Lone Tree, 0.2 mi N. and 3.0 mi W. of; T. 77 N., Rs. 5 and 6 W., cor. secs. 1, 6, 7 and 12; 59 ft N., 41 ft E. and 2.7 ft lower than crossroads; 1 ft S. of fence and 1 ft E. of telephone pole; set flush with ground, standard tablet in top of concrete post; stamped "649 14 LMT 1963" painted "BM 648.5" 648.637
- 12.8 Reference mark, 45 ft N. and 23 ft W. of crossroads; chiseled square on W. end of concrete tile culvert NOTE: "TT 10 S 1929" which was located near this point has been destroyed 647.87

WEST LIBERTY QUAD. - 91

- 13.8 UE 14 LMT A; Tps. 77 and 78 N., Rs. 5 and 6 W., cor. secs. 1, 6, 31 and 36; 29 ft N. and 19 ft E. and 2.4 ft lower than crossroads; punched hole in E. end of steel pipe culvert; painted "UE 660.5" 660.6
- 14.8 UE, 14 LMT B; T. 78 N., Rs. 5 and 6 W., cor. secs. 25, 30, 31 and 36; 15 ft N. and 28 ft W. and 1.9 ft lower than crossroads; punched hole in N. end of steel pipe culvert painted "UE 658.4" 658.5

LINE 5

L. M. Tackett, 1963; Book CV-1600

WEST LIBERTY QUAD. - 91

This line replaces line by W. R. Broaddus, 1930

0.0 "UE D 77 A" (Described in Line 4) 637.4

COLUMBUS JUNCTION QUAD. - 68

1.1 UE D 77 AA, T. 77 N., R. 4 W., 0.1 mi E. of quarter cor. between secs. 2 and 11; copper nail and washer in center of floor of bridge and 9 ft above water; painted "UE Center-line 625.6" 625.60

2.0 UE D 77 B; T. 77 N., R. 4 W., quarter cor. between secs. 1 and 12; 32 ft N. and 1 ft W. and 1.8 ft lower than rd. at N.-S. fence; rail spike in S. of a power pole; painted "UE 635.3" 635.34

2.6 Reference mark, 33 ft S., 52 ft E. of crossroads; on top of steel right-of-way marker 633.10

2.6 West Liberty, 5.0 mi S. along Hwy. 76; T. 77 N., Rs. 3 and 4 W., cor. secs. 1, 6, 7 and 12; 32 ft N., 75 ft E. and 0.9 ft lower than crossroads; about 1 ft S. of fence and 2 ft W. of power pole; set flush with the ground; standard tablet in top of concrete post; stamped "632 19 LMT 1963" painted "BM 631.7" 631.785

T. 77 N., Rs. 3 and 4 W., cor. secs. 1, 6, 7 and 12; 25 ft N. and 70 ft E. of crossroads in concrete post; standard tablet stamped "TT 5 S 1929" NOTE: Elev. of the B.M. was established by W.R. Broaddus, 1930. This B.M. is located near this point and was reported disturbed by Tackett but was not included in this line. 632.199

MUSCATINE QUAD. - 67

3.5 UE 19 LMT A; T. 77 N., R. 3 W., cor. secs. 5, 6, 7 and 8; 32 ft S., 34 ft W. and 3.0 ft lower than crossroads; punched hole in S. end of steel pipe culvert; painted "UE 628.7" 628.7

4.6 UE 19 LMT B; T. 77 N., R. 3 W., near cor. secs. 4, 5, 8 and 9, 11 ft N., 0.5 ft higher than center of bridge; 6 ft above the water, chiseled square in center of N. headwall of bridge; painted "UE 611.9" 611.97