

CROSS SECTION EARTHWORK - EXCHANGE AVENUE

LOCATION STA. TO STA.	TOPSOIL STRIP PAID FOR AS EARTH EXCAVATION (CU YD)	EARTH EXCAVATION (ALL SUITABLE) (CU YD)	EARTH EXCAVATION TO BE USED IN EMBANKMENT (15% SHRINKAGE) (CU YD)	EMBANKMENT REQUIRED (CU YD)	EARTHWORK BALANCE (CU YD)	TOPSOIL REQUIRED (NOTE 1) (CU YD)
EXCHANGE AVE.	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)
49+50.00 50+00.00	20.4	75.0	63.8	11.3	52.5	9.4
50+00.00 50+50.00	17.3	101.6	86.3	13.2	73.1	6.2
50+50.00 51+00.00	27.5	217.8	185.1	9.4	175.8	10.1
51+00.00 51+50.00	26.7	235.2	199.9	0.0	199.9	8.9
51+50.00 52+00.00	20.9	185.6	157.8	0.0	157.8	5.2
52+00.00 52+50.00	21.0	170.5	144.9	0.0	144.9	7.3
52+50.00 53+00.00	25.5	248.7	211.4	0.0	211.4	5.9
53+00.00 53+50.00	29.2	340.3	289.2	0.0	289.2	4.2
53+50.00 54+00.00	25.6	247.7	210.5	0.0	210.5	5.0
54+00.00 54+50.00	22.2	198.5	168.7	0.0	168.7	6.1
54+50.00 55+00.00	19.4	200.0	170.0	0.0	170.0	6.7
55+00.00 55+50.00	19.9	176.9	150.4	8.6	141.8	6.0
55+50.00 56+00.00	24.6	206.6	175.6	21.2	154.4	7.1
56+00.00 56+50.00	28.7	247.2	210.1	33.7	176.4	9.0
56+50.00 57+00.00	29.9	249.6	212.2	35.6	176.6	9.2
57+00.00 57+50.00	29.8	253.4	215.4	23.7	191.7	8.3
57+50.00 58+00.00	14.7	251.4	213.7	21.6	192.1	-1.8
58+00.00 58+50.00	0.0	185.7	157.9	36.2	121.7	-14.9
58+50.00 59+00.00	0.0	152.4	129.5	93.5	36.0	-16.7
59+00.00 59+50.00	0.0	168.7	143.4	104.0	39.4	-14.4
59+50.00 60+00.00	0.0	176.9	150.3	64.8	85.5	-15.0
60+00.00 60+50.00	0.0	174.8	148.6	60.6	88.0	-15.6
60+50.00 61+00.00	0.0	187.2	159.1	50.7	108.4	-16.4
61+00.00 61+50.00	0.0	225.5	191.6	29.6	162.0	-14.3
61+50.00 62+00.00	14.2	255.0	216.8	38.6	178.1	2.9
62+00.00 62+50.00	29.5	251.5	213.8	36.3	177.5	17.3
62+50.00 63+00.00	31.6	249.1	211.7	6.7	205.0	17.3
63+00.00 63+50.00	31.8	250.6	213.1	0.0	213.1	16.8
63+50.00 64+00.00	31.6	253.7	215.6	0.0	215.6	17.4
64+00.00 64+50.00	31.7	270.1	229.6	0.0	229.6	17.9
64+50.00 65+00.00	31.1	300.4	255.3	0.0	255.3	17.5
65+00.00 65+50.00	30.1	307.3	261.2	0.0	261.2	17.9
65+50.00 66+00.00	29.0	269.3	228.9	0.0	228.9	18.1
66+00.00 66+50.00	31.3	264.8	225.1	0.0	225.1	17.3
66+50.00 67+00.00	34.4	253.3	215.3	3.2	212.1	16.3
67+00.00 67+50.00	39.3	249.8	212.3	11.9	200.4	14.9
67+50.00 68+00.00	43.4	252.3	214.5	21.6	192.9	13.4
68+00.00 68+50.00	43.0	182.9	155.4	28.1	127.4	13.3
68+50.00 69+00.00	39.8	148.6	126.3	21.7	104.7	14.3
69+00.00 69+50.00	34.6	190.5	161.9	10.6	151.2	16.7
69+50.00 70+00.00	55.3	271.1	230.4	4.9	225.5	42.5
70+00.00 END	0.0	0.0	0.0	0.0	0.0	0.0
TOTALS	984.7	9,097.5	7,732.9	801.3	6,931.6	297.4

(SURPLUS)

CROSS SECTION EARTHWORK - FRONT & MAIN STREET

LOCATION STA. TO STA.	EMBANKMENT (CU YD)	EARTHWORK BALANCE (CU YD)
FRONT & MAIN STREET	(CU YD)	(CU YD)
200+00.00 201+00.00	58.3	-58.3
201+00.00 202+00.00	94.4	-94.4
202+00.00 203+00.00	72.0	-72.0
203+00.00 204+00.00	77.6	-77.6
204+00.00 205+00.00	190.7	-190.7
205+00.00 206+00.00	188.0	-188.0
206+00.00 207+00.00	71.5	-71.5
207+00.00 208+00.00	66.9	-66.9
208+00.00 209+00.00	69.3	-69.3
209+00.00 210+00.00	69.6	-69.6
210+00.00 211+00.00	67.0	-67.0
211+00.00 212+00.00	60.6	-60.6
212+00.00 213+00.00	67.6	-67.6
213+00.00 214+00.00	72.4	-72.4
214+00.00 215+00.00	65.9	-65.9
215+00.00 216+00.00	33.0	-0.5
216+00.00 217+00.00	0.0	32.4
217+00.00 END	0.0	0.0
TOTALS	1,324.8	-1,260.0

(SHORTAGE)

EMBANKMENT REQUIRED TO FILL IN THE FOUNDATION REMOVAL UNDER BUILDING NO. 9.
 AREA OF REMOVAL = 56,456 SF
 DEPTH OF REMOVAL = 2.0' ASSUMED
 VOLUME OF EMBANKMENT = -4,182 CY (SHORTAGE)

CONCRETE FOUNDATION ADJACENT TO BUILDING
 AREA OF REMOVAL = 36,627 SF
 DEPTH OF REMOVAL = 0.5' ASSUMED
 VOLUME OF EMBANKMENT = -678 CY (SHORTAGE)

CROSS SECTION EARTHWORK - 1ST STREET

LOCATION STA. TO STA.	EARTH EXCAVATION (ALL SUITABLE) (CU YD)	EARTH EXCAVATION TO BE USED IN EMBANKMENT (15% SHRINKAGE) (CU YD)	EMBANKMENT (CU YD)	EARTHWORK BALANCE (CU YD)
1ST STREET	(CU YD)	(CU YD)	(CU YD)	(CU YD)
05+00.00 05+50.00	0.0	0.0	0.0	0.0
05+50.00 06+00.00	35.1	29.8	0.0	29.8
06+00.00 06+50.00	44.2	37.5	0.0	37.5
06+50.00 07+00.00	9.1	7.7	0.0	7.7
07+00.00 07+50.00	19.7	16.8	0.0	16.8
07+50.00 08+00.00	30.6	26.1	0.0	26.1
08+00.00 08+50.00	21.6	18.3	0.0	18.3
08+50.00 09+00.00	21.1	17.9	0.0	17.9
09+00.00 09+50.00	20.9	17.8	0.0	17.8
09+50.00 10+00.00	14.8	12.6	0.0	12.6
10+00.00 10+50.00	8.7	7.4	0.0	7.4
10+50.00 11+00.00	8.7	7.4	0.0	7.4
11+00.00 11+50.00	8.7	7.4	0.0	7.4
11+50.00 12+00.00	8.7	7.4	0.0	7.4
12+00.00 12+50.00	8.7	7.4	0.0	7.4
12+50.00 13+00.00	8.7	7.4	0.0	7.4
13+00.00 13+50.00	8.7	7.4	0.0	7.4
13+50.00 14+00.00	8.7	7.4	0.0	7.4
14+00.00 14+50.00	8.7	7.4	0.0	7.4
14+50.00 15+00.00	8.7	7.4	0.0	7.4
15+00.00 15+50.00	8.7	7.4	0.0	7.4
15+50.00 16+00.00	8.7	7.4	0.0	7.4
16+00.00 16+50.00	8.7	7.4	0.0	7.4
16+50.00 17+00.00	8.7	7.4	0.0	7.4
17+00.00 17+50.00	8.7	7.4	0.0	7.4
17+50.00 18+00.00	8.7	7.4	0.0	7.4
18+00.00 18+50.00	8.7	7.4	0.0	7.4
18+50.00 19+00.00	8.7	7.4	0.0	7.4
19+00.00 19+50.00	10.6	9.0	0.0	9.0
19+50.00 20+00.00	20.3	17.2	0.0	17.2
20+00.00 20+50.00	14.1	12.0	0.0	12.0
20+50.00 21+00.00	11.3	9.6	0.0	9.6
21+00.00 21+50.00	11.3	9.6	0.0	9.6
21+50.00 22+00.00	0.0	0.0	0.0	0.0
22+00.00 END	0.0	0.0	0.0	0.0
TOTALS	441.3	375.1	0.0	375.1

(SURPLUS)

NOTES:

- 1. THE ACTUAL TOPSOIL REQUIRED SHALL BE DETERMINED BY THE LANDSCAPING PLANS, NOT BY THE CROSS SECTIONS.
- 2. EARTH EXCAVATION (SPECIAL) REQUIRED TO BACKFILL ARCHAEOLOGICAL PITS, AND EARTH EXCAVATION REQUIRED FOR ROADWAY CONSTRUCTION, MAY OVERLAP. THE QUANTITIES PRESENTED ASSUME THAT THE EXCAVATION REQUIRED FOR THE ROADWAY SECTION WILL BE QUANTIFIED AS 'EARTH EXCAVATION', AND THE EXCAVATION REQUIRED TO BACKFILL THE ARCHAEOLOGICAL PITS THAT DOES NOT OVERLAP WITH THE ROADWAY SECTION SHALL BE QUANTIFIED AS 'EARTH EXCAVATION (SPECIAL)'.

 3. EARTH EXCAVATION, STOCKPILE (IF REQUIRED) AND SUBSEQUENT PLACEMENT (WHEN APPLICABLE) SHALL ONLY BE MEASURED AND PAID FOR ONCE, AND NOT FOR EACH TRANSPORT.
- 4. SURPLUS EARTH EXCAVATION SHALL REMAIN ON SITE WITHIN THE I-70 CORRIDOR AND BE PLACED AT THE DIRECTION OF THE ENGINEER.

EARTHWORK SUMMARY

	EARTH EXCAVATION (CU YD)	EARTHWORK BALANCE (CU YD)
EXCHANGE AVE	984.7 + 9,097.5	6,931.6
1ST STREET	441.3	375.1
FRONT & MAIN STREET	0.0	-1,260.0
BUILDING NO. 9 FOUNDATION	0.0	-4,182.0
CONCRETE FOUNDATION ADJACENT TO BLDG 9	0.0	-678.0
TOTALS	10,524	1,186.7 SURPLUS

(+) = SURPLUS

(-) = SHORTAGE

NO FURNISHED EXCAVATION REQUIRED

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