CROSS SECTION EARTHWORK - EXCHANGE AVENUE

LOCATION STA.	TO STA.	TOPSOIL STRIP PAID FOR AS EARTH EXCAVATION	EARTH EXCAVATION (ALL SUITABLE)	EARTH EXCAVATION TO BE USED IN EMBANKMENT (15% SHRINKAGE)	EMBANKMENT REQUIRED	EARTHWORK BALANCE	TOPSOIL REQUIRED (NOTE 1)
EXCHANGE AVE.		(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)
49+50.00	50+00.00	20.4	23.6	20.1	11.3	8.8	9.4
50+00.00	50+50.00	17.3	34.4	29.2	13.2	16.0	6.2
50+50.00	51+00.00	27.5	114.1	97.0	9.4	87.6	10.1
51+00.00	51+50.00	26.7	134.4	114.2	0.0	114.2	8.9
51+50.00	52+00.00	20.9	100.4	85.3	0.0	85.3	5.2
52+00.00	52+50.00	21.0	74.8	63.6	0.0	63.6	7.3
52+50.00	53+00.00	25.5	172.3	146.5	0.0	146.5	5.9
53+00.00	53+50.00	29.2	286.2	243.3	0.0	243.3	4.2
53+50.00	54+00.00	25.6	193.6	164.6	0.0	164.6	5.0
54+00.00	54+50.00	22.2	144.4	122.8	0.0	122.8	6.1
54+50.00	55+00.00	19.4	145.9	124.0	0.0	124.0	6.7
55+00.00	55+50.00	19.9	149.9	127.4	8.6	118.8	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	8,273.7	7,032.6	801.3	6,231.4	297.4

(SURPLUS)

CROSS SECTION EARTHWORK - 1ST STREET

LOCATION STA.	TO STA.	EARTH EXCAVATION (ALL SUITABLE)	EARTH EXCAVATION TO BE USED IN EMBANKMENT (15% SHRINKAGE)	EMBANKMENT	EARTHWORK BALANCE
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.

CROSS SECTION EARTHWORK - FRONT & MAIN STREET

LOCATION STA.	TO STA.	EMBANKMENT	EARTHWORK BALANCE
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)

EARTHWORK SUMMARY

	EARTH EXCAVATION (CU YD)	EARTHWORK BALANCE (CU YD)
EXCHANGE AVE	984.7 + 8,273.7	6,231.4
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	9,699.7	486.5 SURPLUS

(+) = SURPLUS

(-) = SHORTAGE

NO FURNISHED EXCAVATION REQUIRED

..\DBCONN-03-BORDER.DGN,..\DBCONN-03-SCHEDU.DGN,..\DBCONN-99-MGTF.DGN
BONDHUJO \\FS-DD4-VAM\VAULT\D-TRANS.07\2202\20868-001\CIVIL\CAD\99 ALL CONTRACTS\CONN\SHEETS CONTRACT 03\
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