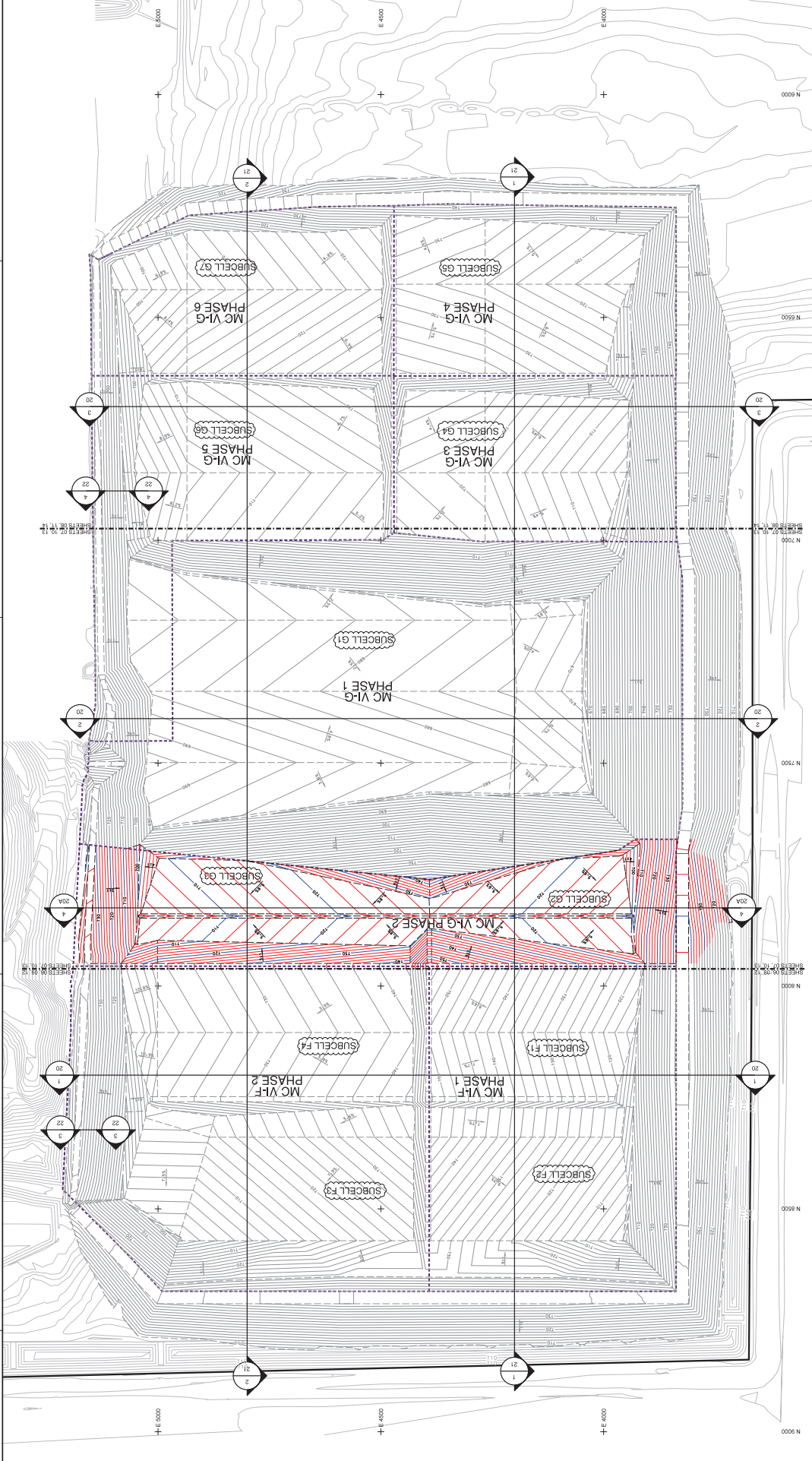


REV	DATE	REVISION DESCRIPTION
1	5/02/18	SUBCELLS 22 AND 23 REVISIONS
2	5/02/18	PHASING DESIGNATIONS
3	5/02/18	PERMITS COMMENTS



**NOTE:**

- THE BASE MAP WAS CREATED USING AN AERIAL SURVEY TAKEN IN OCTOBER 2007, AND A GROUND SURVEY BY NTH IN OCTOBER 2008.
- GRADES DEPICTED IN MC VI-G PHASE 2 SUBCELLS C2 AND C3 REPRESENT REDISIGN TOP OF PRIMARY LINER GRADES BY C.T.I. GRADES ENGINEERS, INC. (C.T.I. GRADES) DATED SEPTEMBER 2011. TOP OF PRIMARY LINER GRADES BY NTH, DATED SEPTEMBER 2011.
- PHASING SHOWN HERE IS FOR NTH PLANNING PURPOSES ONLY AND MAY CHANGE BASED ON NTH NEEDS WITHOUT VIDEO APPROVAL.
- THE TRANSFER BOX WILL BE MOVED TO VARIOUS LOCATIONS BASED ON CELL DEVELOPMENT AND FILLING OPERATIONS. SEE TRANSFER BOX DETAIL ON SHEETS 26 AND 27.
- A MINIMUM OF 5 FEET PRIOR TO CONSTRUCTING MC VI-G PHASES 3 TO 6, THE EXISTING MC 1 TO CORRECT THE ASSUMPTIONS USED IN THE DESIGN. NTH SHALL BE RESPONSIBLE FOR VERIFYING THE DESIGN. IF NECESSARY, THE REVISED DESIGN SHALL BE APPROVED BY THE VIDEO PRIOR TO CONSTRUCTION OF MC VI-G PHASES 3 TO 6.

**LEGEND**

- EXISTING CONTOUR (2 FT INTERVAL)
- PROPERTY BOUNDARY
- PROPOSED GRADE BREAK (SUBCELLS C2 AND C3)
- PROPOSED TOP OF PRIMARY LINER CONTOUR (SUBCELLS C2 AND C3 (2 FT INTERVAL))
- PERMITTED TOP OF PRIMARY LINER GRADES (SUBCELLS C2 AND C3 (2 FT INTERVAL))
- GRADE BREAK (SEPTEMBER 2011 PERMIT)
- PERMITTED TOP OF PRIMARY LINER GRADES (SUBCELLS C2 AND C3 (2 FT INTERVAL))
- PROPOSED PHASE BOUNDARY

**NOTES:**

- TOTAL VOLUME ADJUSTMENTS IN THIS NET LOSS DETERMINED BASED ON:
  - TOTAL VOLUME GAIN BETWEEN THE PERMITTED AND THE REDISIGNED TOP OF PRIMARY LINER GRADES
  - TOTAL NET LOSS BETWEEN THE PERMITTED AND THE REDISIGNED FINAL GRADES
- TOTAL NET LOSS OF 121 CY WAS DETERMINED.

PHASE DESIGNATION	PERMIT PHASE FOOTPRINT AREA (AC)	PERMIT PHASE INCREMENTAL VOLUME (C.Y.)	REVISED PHASE INCREMENTAL VOLUME (C.Y.)	VOLUME ADJUSTMENT (C.Y.)
MC VI-G PHASE 1	9.3	812,000	810,822	-1,178
MC VI-G PHASE 2	12.9	1,865,000	1,865,000	0
MC VI-G PHASE 3	19.9	2,370,000	2,354,444	-15,556
MC VI-G PHASE 4	7.2	773,000	769,538	-3,462
MC VI-G PHASE 5	5.3	700,000	694,662	-5,338
MC VI-G PHASE 6	5.5	3,800,000	3,585,173	-214,827
TOTAL	73.0	11,790,000	11,702,639	-87,361



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248-555-0200  
Ann Arbor, MI 48106-1500  
313-237-3900  
Dearborn, MI 48124-1500  
616-857-3690  
Grand Rapids, MI 49508-1500  
616-857-3690  
Livonia, MI 48150-1500  
448-865-1540  
Covington, OH 44026-1500  
216-334-4040  
Indianapolis, IN 46217-2510

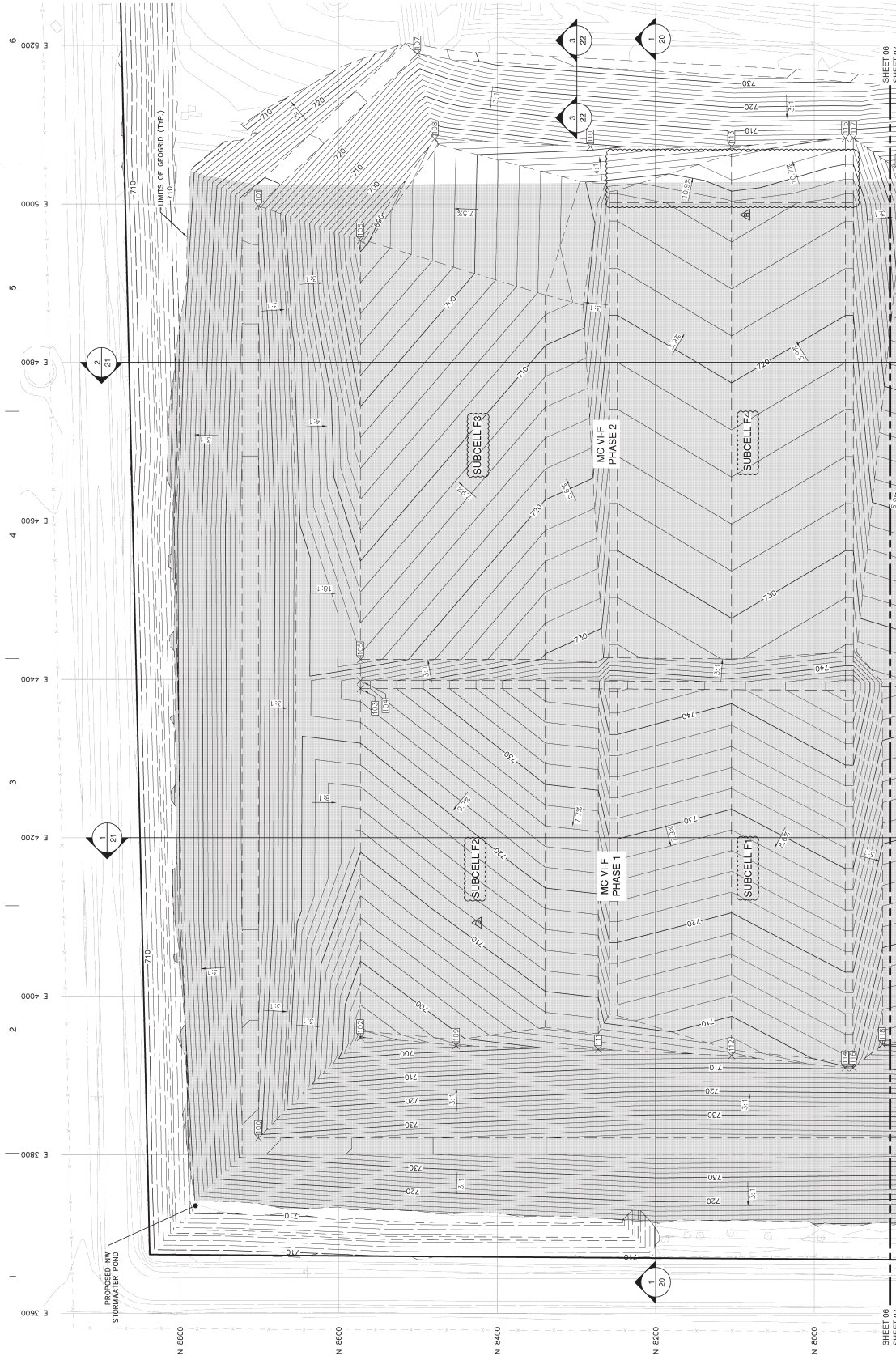
REV.	DESCRIPTION	DATE	BY
1	ISSUED FOR PERMITS	11/12/08	JL
2	PERMITS	11/12/08	JL
3	ISSUED FOR PERMITS	11/12/08	JL
4	PERMITS	11/12/08	JL

PROJECT NAME  
**MASTER CELL VI&G**

PROJECT LOCATION  
**WAYNE DISPOSAL, INC.  
SITE NO. 100  
BELLVILLE, MICHIGAN**

NTI PROJECT NO.: 13-00091-03  
CAD FILE NAME: 13-00091-03.dwg  
DRAWN BY: JL  
DATE: 11/12/08  
DRAWING SCALE: AS SHOWN  
DIAL: 1/8" = 1'-0"  
ISS: 9/23/11  
SHEET TITLE: TOP OF SUBGRADE  
GRADING PLAN (1 OF 3)

SHEET REFERENCE NUMBER  
**06**



**SUBGRADE PERIMETER DIKE COORDINATES**

Point No.	Northing	Easting	Elevation (ft)
111	8272.51	3932.99	701.60
112	8104.36	3924.94	704.97
113	8104.36	5072.27	703.43
114	7961.05	3909.78	709.54
115	7960.73	5083.24	706.44
116	7961.05	3699.68	709.54
117	7960.73	5083.24	706.44
118	7911.92	3833.16	700.65
119	7893.05	5042.32	691.59
120	7842.73	3836.19	697.92
121	7842.73	5038.07	698.67

**SUBGRADE PERIMETER DIKE COORDINATES**

Point No.	Northing	Easting	Elevation (ft)
100	8701.30	3821.03	731.39
101	8701.30	4997.59	731.01
102	8572.66	3948.14	691.65
103	8572.66	4368.34	726.25
104	8572.66	4368.34	726.25
105	8572.66	4426.01	716.36
106	8572.66	4954.00	689.27
107	8500.75	5189.52	726.83
108	8478.81	5082.20	694.48
109	8451.97	3937.75	697.50
110	8282.53	5072.20	698.88

**NOTE:**  
THE BASE MAP WAS CREATED USING AN AERIAL SURVEY TAKEN IN 2001 BY AIR-LAND SURVEY AND PROVIDED BY AIR-LAND SURVEY. THIS SURVEY WAS APPROVED BY GROUND SURVEY BY WJ IN OCTOBER, 2008.



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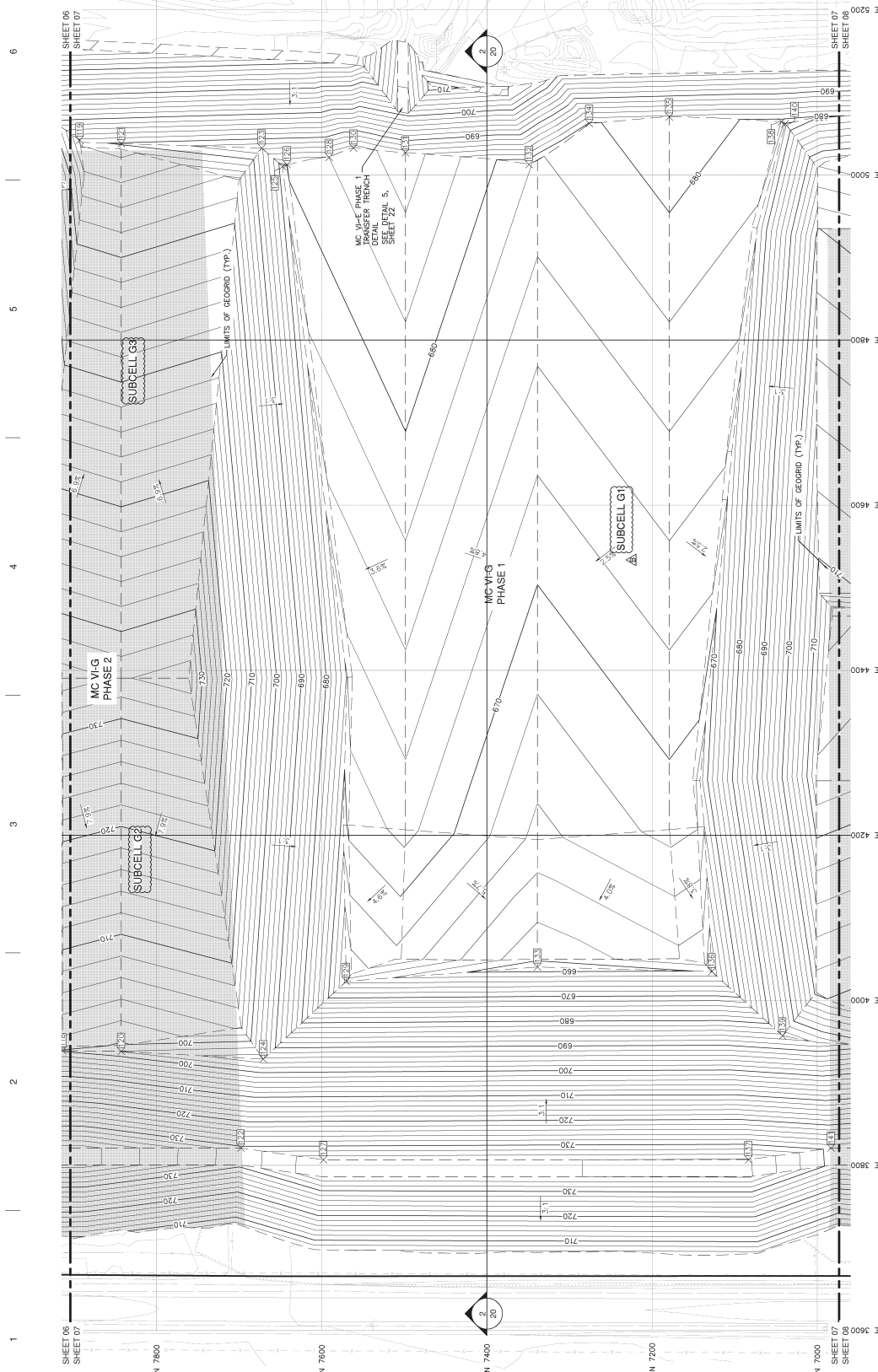
Normal, MI 448-555-6800  
Detroit, MI 313-237-3900  
Grand Rapids, MI 616-957-3690  
Livonia, MI 734-937-5500  
Covington, PA 484-885-1440  
Indianapolis, IN 317-251-1940

REV	DESCRIPTION	DATE BY
A	ISSUED FOR CONSTRUCTION	11/15/2008
B	AS SHOWN	11/15/2008
C	AS SHOWN	11/15/2008
D	AS SHOWN	11/15/2008
E	AS SHOWN	11/15/2008
F	AS SHOWN	11/15/2008
G	AS SHOWN	11/15/2008
H	AS SHOWN	11/15/2008
I	AS SHOWN	11/15/2008
J	AS SHOWN	11/15/2008
K	AS SHOWN	11/15/2008
L	AS SHOWN	11/15/2008
M	AS SHOWN	11/15/2008
N	AS SHOWN	11/15/2008
O	AS SHOWN	11/15/2008
P	AS SHOWN	11/15/2008
Q	AS SHOWN	11/15/2008
R	AS SHOWN	11/15/2008
S	AS SHOWN	11/15/2008
T	AS SHOWN	11/15/2008
U	AS SHOWN	11/15/2008
V	AS SHOWN	11/15/2008
W	AS SHOWN	11/15/2008
X	AS SHOWN	11/15/2008
Y	AS SHOWN	11/15/2008
Z	AS SHOWN	11/15/2008

PROJECT LOCATION  
WAYNE DISPOSAL, INC.  
SITE NO. 200  
BELLEVILLE, MICHIGAN

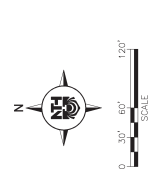
PROJECT NO.  
13-0000103  
DRAWN BY  
DRI  
DATE  
11/15/2008  
DRAWING SCALE  
AS SHOWN  
JOB NO.  
13-0000103  
REV  
8/22/11  
SHEET TITLE  
TOP OF SUBGRADE  
GRADING PLAN (2 OF 3)

SHEET REFERENCE NUMBER  
07



**LEGEND**

- EXISTING CONTOUR (2 FT INTERVAL)
- PROPERTY BOUNDARY
- PROPOSED GRADE BREAK
- PROPOSED TOP OF SUBGRADE CONTOUR (2 FT INTERVAL)
- AREA TO BE COVERED BY GEOROID
- PROPOSED DIKE CORONATE POINT NO.
- PROPOSED SLOPE 3:1



**NOTE:**  
THE BASE MAP WAS CREATED USING AN AERIAL SURVEY  
CONDUCTED BY W.D. A SURVEY BY W.D. IN OCTOBER 2007, AND A  
GROUND SURVEY BY W.D. IN OCTOBER 2008.

**SUBGRADE PERIMETER DIKE COORDINATES**

Point No.	Northing	Easting	Elevation (ft)
133	7335.74	4040.41	658.10
134	7276.06	5062.38	679.69
135	7176.18	5070.45	681.75
136	7127.70	4034.87	680.23
137	7083.24	3807.01	736.24
138	7043.49	5064.48	678.89
139	7042.16	3957.20	684.60
140	7036.03	5062.00	677.47
141	6983.25	3821.03	729.35
142	6887.01	3937.42	698.98
143	6836.63	3931.13	702.62

**SUBGRADE PERIMETER DIKE COORDINATES**

Point No.	Northing	Easting	Elevation (ft)
122	7697.89	3821.03	730.74
123	7672.54	5032.68	686.26
124	7670.81	3928.84	694.50
125	7647.66	5010.45	678.68
126	7641.99	5012.71	680.19
127	7597.89	3806.80	735.60
128	7591.66	5021.51	682.01
129	7570.41	4023.20	683.24
130	7561.67	5032.75	683.13
131	7498.71	5027.05	685.09
132	7349.00	5012.85	678.14



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Environmental Services

Normal, MI 49855-0300  
Detroit, MI 48226-3900  
Grand Rapids, MI 49508-3690  
Livonia, MI 48150-3700  
Cleveland, OH 44130-1540  
Indianapolis, IN 46225-1940

REV	DESCRIPTION	DATE BY
A	PROPOSED SUBGRADE	MM/11/11
B	PROPOSED SUBGRADE	MM/11/11

PROJECT NAME  
**MASTER CELL VI&G**

PROJECT LOCATION  
**WAYNE DISPOSAL, INC.  
SITE NO. 200  
BELLEVILLE, MICHIGAN**

NO	DATE	DESCRIPTION
1	11/11/2008	ISSUED FOR PERMITS
2	11/11/2008	ISSUED FOR PERMITS

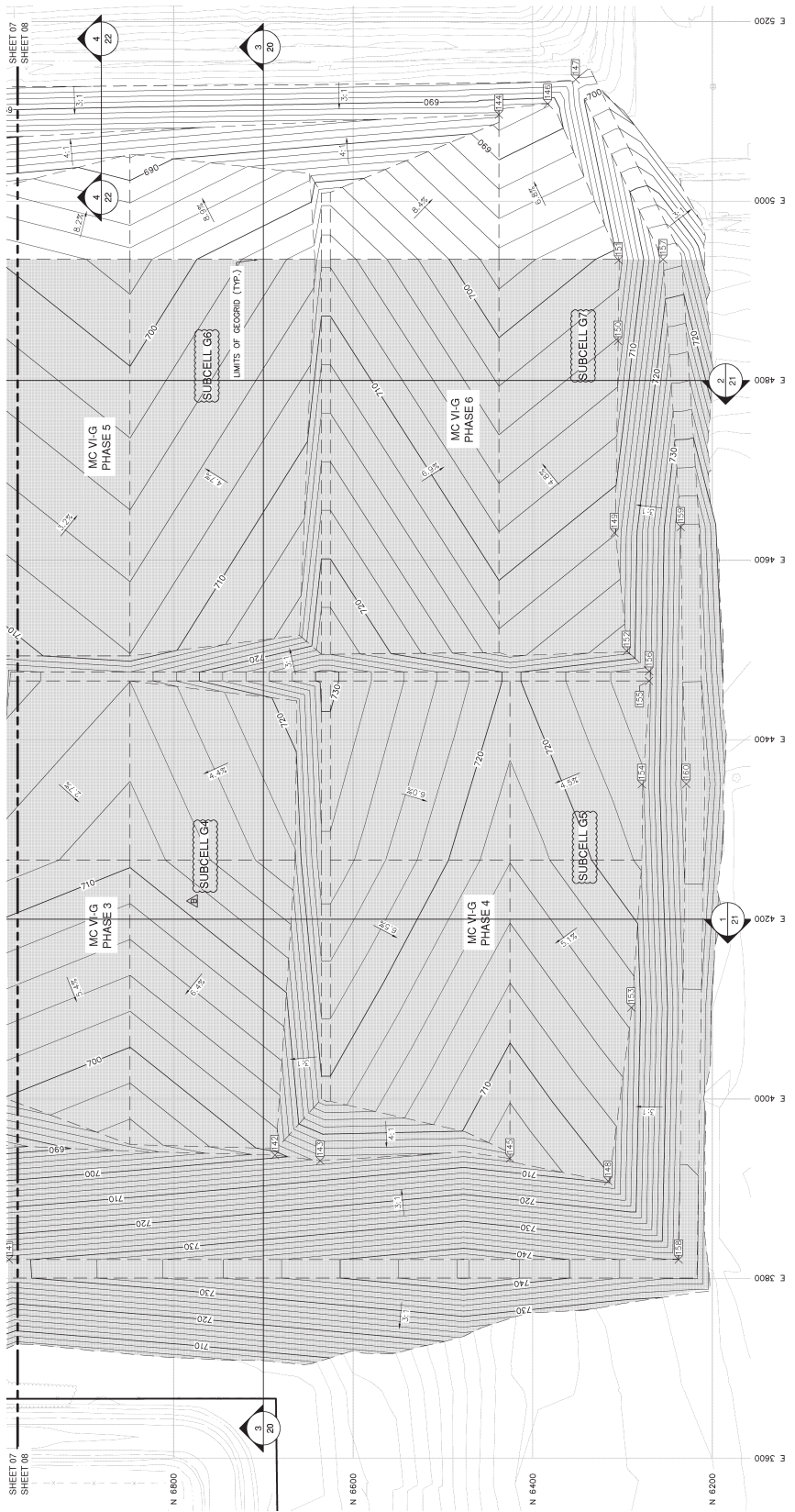
AS SHOWN  
DATE OF SURVEY  
11/11/2008

SCALE  
AS SHOWN

DATE OF SURVEY  
11/11/2008

DATE OF SURVEY  
11/11/2008

DATE OF SURVEY  
11/11/2008



**LEGEND**

- EXISTING CONTOUR (2 FT INTERVAL)
- PROPERTY BOUNDARY
- PROPOSED GRADE BREAK
- PROPOSED TOP OF SUBGRADE CONTOUR (2 FT INTERVAL)
- AREA TO BE COVERED BY GEGRID
- PROPOSED DIKE COORDINATE POINT NO.
- PROPOSED SLOPE



Point No.	Northing	Easting	Elevation (ft)
155	6270.50	4465.41	725.70
156	6270.26	4476.27	725.42
157	6254.80	4935.00	717.24
158	6237.41	3921.03	736.23
159	6235.06	4636.89	736.17
160	6226.94	4350.65	738.90

Point No.	Northing	Easting	Elevation (ft)
144	6437.61	5066.19	665.31
145	6425.37	3933.71	704.74
146	6383.17	5108.23	667.81
147	6352.10	5135.27	696.41
148	6316.02	3998.50	709.72
149	6308.86	4636.41	711.90
150	6304.89	4844.00	704.12
151	6304.21	4934.01	700.81
152	6295.30	4498.77	717.18
153	6290.14	4101.64	716.79
154	6278.55	4350.36	723.66

- NOTES:**
- THE BASE MAP WAS CREATED USING AN AERIAL SURVEY TAKEN IN 2001 BY AIR-LAND SURVEY AND REVISIONS WERE MADE IN 2007 AND A GROUND SURVEY BY WDI IN OCTOBER 2008.
  - A MINIMUM OF 5 YEARS PRIOR TO CONSTRUCTING MC VI&G PHASES 3 TO 6 THE DIKE LOCATIONS AND NEED FOR DOWNSIZING FOR THE EXISTING DIKE TO BE DETERMINED. THE ASSUMPTIONS USED IN THIS DESIGN TO DETERMINE THE DIKE LOCATIONS AND NEED FOR DOWNSIZING SHALL BE APPROVED BY THE MED PRIOR TO CONSTRUCTION OF MC VI&G PHASES 3 TO 6.