



CONTROL POINTS

POINT NO.	NORTHING	EASTING	ELEVATION
B1	1,905,634.81	1,011,886.35	740
B2	1,905,310.06	1,011,791.12	740
B3	1,905,259.09	1,011,730.53	740
B4	1,905,256.45	1,011,617.16	740
B5	1,905,283.07	1,011,590.88	740
B6	1,905,583.53	1,011,625.02	740
B7	1,905,608.18	1,011,624.30	740
C1	1,905,476.02	1,011,594.65	741
C2	1,905,492.14	1,011,588.62	741
C3	1,905,527.20	1,011,605.07	741
C4	1,905,580.58	1,011,619.41	741
C5	1,905,601.10	1,011,612.54	741
D1	1,905,210.46	1,011,774.41	742.5
D2	1,905,215.65	1,011,683.70	742.5
D3	1,905,212.49	1,011,605.62	742.5
E1	1,905,016.11	1,011,803.83	743
E2	1,905,121.33	1,011,799.22	743
E3	1,905,181.68	1,011,688.63	743
E4	1,905,151.07	1,011,576.83	743
F1	1,905,069.30	1,011,595.83	743.5
G1	1,904,924.33	1,011,772.39	744
G2	1,905,009.76	1,011,756.20	744
G3	1,905,095.21	1,011,763.84	744
G4	1,905,169.35	1,011,690.36	744
G5	1,905,097.37	1,011,627.46	744
G6	1,905,019.69	1,011,620.72	744
G7	1,904,918.23	1,011,585.52	744
H1	1,904,915.01	1,011,572.98	745
H2	1,904,911.18	1,011,586.91	745
H3	1,904,914.60	1,011,612.88	745
H4	1,904,915.05	1,011,776.58	745
H5	1,905,101.97	1,011,688.09	745
H6	1,904,951.35	1,011,675.01	745
H7	1,905,101.46	1,011,703.70	745
H8	1,904,950.66	1,011,690.79	745

POINT NO.	RADIUS (FT)
A2-A3	5
B2-B3	64
B4-B5	30
B5-B6	800
B6-B7	30
C1-C2	11
C4-C5	20
E2-E4	162
F3-F5	68
G1-G4	8
G2-G3	8

DETENTION BASIN

Total Cut =	9237 Cubic Yards
Total Fill =	332 Cubic Yards
Area =	19722 Sq Yards
Balance =	8905 Cubic Yards
Elevation Range Used	Cut(Cu. Yd) Fill(Cu. Yd.)
740.000 to 741.000	Cut = 2543 Fill = 7
741.000 to 742.000	Cut = 2152 Fill = 80
742.000 to 743.000	Cut = 1950 Fill = 135
743.000 to 744.000	Cut = 1623 Fill = 70
744.000 to 745.000	Cut = 923 Fill = 38
745.000 to 746.000	Cut = 46 Fill = 2

NWL = 739.5
 HWL = 750.6
 DETAINED VOLUME = 5.52 AC-FT
 MINIMUM BERM EL = 755-749.5

NOTE: THE ENGINEER SHALL ARRANGE RIGHT-OF-ENTRY FOR THE CONTRACTOR FROM THE HAWTHORNE PARK DISTRICT. THE DISTRICT REQUIRES ONE (1) WEEK NOTIFICATION TO PROCESS THE RIGHT-OF-ENTRY REQUEST. ONCE CONSTRUCTION OPERATIONS HAVE COMMENCED ON ANY LANDS OF THE PARK DISTRICT, THE CONTRACTOR SHALL HAVE FOUR (4) WEEKS TO COMPLETE HIS WORK AND FINISH ALL GRADING AND RESTORATION.

NOTE: FOR ADDITIONAL INFORMATION SEE EROSION CONTROL & LANDSCAPING PLAN, SHEET AND DRAINAGE SCHEDULE SHEET, 69

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
**HAWTHORNE PARK RESERVOIR
 GRADING PLAN**

SCALE: 50'
 DATE: 12/7/2006

DRAWN BY: PMM
 DESIGN BY: BLL
 CHECKED BY: JGS