

Prepared for: VILLAGE OF HOMER GLEN
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STONEBRIDGE WOODS
SUBDIVISION OBSERVATION REPORT

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HR GREEN JOB NO. 86120056

Stonebridge Woods Subdivision Observation Report

HR Green has performed a review of the available documents for the subdivision improvements located in the Stonebridge Woods subdivision and field observation of the work completed by the developer. Subsequently, HR Green has compiled a punchlist of unfinished items that were part of the proposed improvements per the available subdivision documents.

The Stonebridge Woods Subdivision Observation Report includes the following items:

- Punchlist identifying the outstanding and deficient subdivision improvement items
- Detention Basin Verification and Exhibit A
- Parcel Identification (Exhibit B)
- Engineer's Opinion of Probable Cost (E.O.P.C.) (Exhibit C)
- Location Map (Exhibit D)

The following documents were used in preparing the punchlist scope of work:

- Plat of Subdivision
- Improvement Plans for Stonebridge Woods, dated March 10, 2004, prepared by Designtek Engineering, Inc.
- Stonebridge Woods Final Landscape Plan, dated May 11, 2005, prepared by JEN Land Design, Inc. (Sheets L1 and L3 of 3 sheets)
- Pavement cores performed through HR Green
- Photographs

The following documents were unavailable:

- Stonebridge Woods Final Landscape Plan, dated May 11, 2005, prepared by JEN Land Design, Inc. (Sheet L2 of 3 sheets)
- Plans for stormwater area plantings by Christopher Burke Engineering as referenced in the Final Landscape Plan sheets L1 and L3
- Record drawings
- Developer agreements
- Soil borings
- Meeting minutes
- Daily field reports

I. PUNCHLIST

It is recommended that acceptance of this subdivision be contingent upon the completion of the noted outstanding and deficient items, and subsequent observation and approval by the Village of Homer Glen.

Roadway

Roadway improvements were observed for compliance with the approved subdivision improvement plans. The subdivision pavement includes the Hot-Mix Asphalt (HMA) binder course without the surface course. HR Green had pavement cores taken at random locations on the roadways to identify the actual binder course and aggregate base course thicknesses.

The following table includes the planned pavement depths and actual pavement depths at locations randomly chosen on the roadways.

Roadway	Plan Surface Depth	Actual Surface Depth	Plan Binder Depth	Actual Binder Depth	Plan Agg. Base Cse. Depth	Actual Agg. Base Cse. Depth
Alissa Court	1.5"	0"	2.5"	1.5"	12"	11"
Breanne Lane	1.5"	0"	2.5"	2"	12"	11"
Frontage Road	1.5"	0"	2.5"	No Core Taken	12"	No Core Taken
Lakewood Path	1.5"	0"	2.5"	2.5"	12"	10"
Olha Farm Way	1.5"	0"	2.5"	2"	12"	11"
Penny Lane	1.5"	0"	2.5"	2"	12"	11"
Pine Hill Drive	1.5"	0"	2.5"	2"	12"	11"
Stonebridge Drive	1.5"	0"	2.5"	2"	12"	10"
Stonebridge Woods Crossing	1.5"	0"	2.5"	2"	12"	10"
Wildwood Lane	1.5"	0"	2.5"	2"	12"	10"

Notes:

- HMA surface course remains unpaved for all streets. A thin layer of surface course exists on the Lift Station Access Road. There is no curb and gutter along the Lift Station Access Road.
- The section of Frontage Road east of Stonebridge Drive does not exist, as this section was to be installed as part of the proposed commercial development on Lot 81.

Pavement distress is evident in various areas due to the lack of plan pavement depths and the exposure to inadequate drainage from the pavement into the gutter. The difference between the binder course elevations and the gutter elevations will require between an estimated 1.5" to 2" of HMA overlay thickness throughout Stonebridge Woods. The pavement distress can be resolved by removing the existing binder course pavement and underlying aggregate/subgrade material and replacement with 12" of new aggregate base course and 2.5" of binder course. Following the pavement patching would be the HMA surface course overlay to complete the roadway improvements.

It is recommended that the binder course that exists be cold milled along the edge of the roadways at various curb-line drainage structures and where the top of binder course elevations are higher than required, which would result in between 0" to 1" of HMA surface course overlay in these areas without the recommended milling corrections. It appears as if the binder course elevations were placed higher at the some curb-line drainage structure areas to allow for storm water to drain into the structures and not pond at the edge of the road. The cold milling is necessary to provide the minimum 1.5" HMA surface course thickness as shown in the plans. Variable depth cold milling between 0" and 1.5" is recommended to achieve the average 1.75" of HMA surface course overlay thickness. Cold milling the existing surface course pavement to establish project limit butt joints at 159th Street, Parker Road and Pine Hill Drive will also be necessary.

The following pavement improvements are recommended prior to acceptance of the subdivision by the Village of Homer Glen.

Roadway	Pavement Patching (2.5" HMA Binder Course with 12" Aggregate Base Course, Type B)	HMA Surface Course, Mix 'C', N50	HMA Surface Removal – Butt Joint	HMA Surface Removal, Variable Depth (0" to 1.5")
Alissa Court	67 SY (100' X 6')	324 Tons (3,302SY at 1.75")	N/A	23 SY (30' X 7')
Breanne Lane	19 SY (25' X 4', 15' X 5')	129 Tons (1,151 SY at 2")	N/A	N/A
Frontage Road	93 SY (30' X 28' at west end to extend pavement limit)	105 Tons (1,245 SY at 1.5")	N/A	N/A
Lakewood Path	8 SY (10' X 7')	328 Tons (3,908 SY at 1.5")	N/A	N/A
Olha Farm Way	2 SY (5' X 4')	131 Tons (1,556 SY at 1.5")	N/A	N/A

Penny Lane	356 SY (28' X 25', 30' X 20', 200' X 5', 30' X 30')	446 Tons (3,982 SY at 2")	N/A	54 SY (10' X 7', 10' X 7', 50' X 7')
Pine Hill Drive	119 SY (70' X 4', 70' X 10', 15' X 6')	277 Tons (3,298 SY at 1.5")	31 SY (28' X 10')	N/A
Stonebridge Drive	568 SY (15' X 15', 20' X 5', 340' X 11.5', 50' X 14', 30' X 6')	707 Tons (7,211 SY at 1.75")	72 SY (65' X 10')	31 SY (10' X 7', 30' X 7')
Stonebridge Woods Crossing	72 SY (40' X 10', 50' X 5')	689 Tons (8,200 SY at 1.5")	44 SY (40' X 10')	N/A
Wildwood Lane	6 SY (10' X 5')	153 Tons (1,560 SY at 1.75")	N/A	23 SY (15' X 7', 15' X 7')
TOTALS:	1,310 SY	3,289 Tons	147 SY	131 SY

Note: Due to binder course elevation deficiencies and roadway settlement, HR Green provided estimated average surface course thicknesses necessary to finish paving the roadway according to plan.

Prior to the pavement improvements, combination concrete curb and gutter replacement will be necessary. The curb and gutter is to be removed and replaced. Each section shall be cut to full depth, removed and replaced with dowel bars, proper form work and finishing techniques.

The following table includes sections of curb and gutter determined to be unacceptable because of heaving, settlement and/or damage.

Roadway	Combination Concrete Curb and Gutter Removal and Replacement
Alissa Court	55 FT BLDG. 16: 15' BLDG. 19: 10' BLDG. 29: 20' BLDG. 31: 10'
Breanne Lane	25 FT Lot 1
Frontage Road	100 FT Lot 78: 20' Lot 80: 20' West extension: 30' X 2

Lakewood Path	120 FT Lot 40: 15' Lot 42: 5' Lot 48/49: 10' Lot 49: 5' Lot 50: 10' Lot 77: 30' 16249: 30' 16360: 15'
Olha Farm Way	20 FT Lot 11
Penny Lane	85 FT BLDG. 11: 20' BLDG. 29: 10' 13856: 5' 13873: 5' 16033: 20' 16079: 10' 16085: 15'
Pine Hill Drive	75 FT Lot 54: 10' Lot 57/58: 10' Lot 59/60: 10' Lot 60: 20' Lot 77: 10' 16325: 15'
Stonebridge Drive	175 FT BLDG. 20: 15' BLDG. 22: 10' Lot 67: 10' Lot 67/68: 15' Lot 70/71: 20' Lot 73: 5' Lot 78: 15' Lot 80: 25' Lot 81: 40' 16136: 20'
Stonebridge Woods Crossing	100 FT Lot 16: 10' Lot 21: 10' Lot 24: 10' Lot 35: 10' Lot 51/52: 10' Lot 52/53: 10' Lot 74: 5' Lot 75: 35'

Wildwood Lane	N/A
TOTAL:	755 FT

Note: The west extension of Frontage Road includes the installation of curb and gutter. The work involved in this curb and gutter does not entail the removal of existing curb and gutter, however, it is included in the removal and replacement item due to minimal differences in cost.

Storm Sewer Appurtenances

Storm Sewer structures were observed for compliance with the approved subdivision improvement plans. It is recommended that all storm sewer structures be cleaned in addition to the correction of any deficiencies prior the Village of Homer Glen taking ownership and maintenance responsibilities of the storm sewer system.

It is recommended that the following defects be repaired prior to Village acceptance of the subdivision.

Item No.	Structure #	Defect/Corrective Action
1.	INL B 1	<ul style="list-style-type: none"> ▪ Clean out debris ▪ Provide concrete bench
2.	INL D 3A	<ul style="list-style-type: none"> ▪ Clean out debris ▪ Provide concrete bench ▪ Remove filter fabric
3.	INL D 6	<ul style="list-style-type: none"> ▪ Clean out debris ▪ Provide concrete bench ▪ Remove filter fabric
4.	INL D 10A	<ul style="list-style-type: none"> ▪ Clean out debris ▪ Provide concrete bench
5.	INL D 13	<ul style="list-style-type: none"> ▪ Clean out debris ▪ Provide concrete bench
6.	INL D 15A	<ul style="list-style-type: none"> ▪ Clean out debris ▪ Provide concrete bench
7.	INL D 22	<ul style="list-style-type: none"> ▪ Clean out debris ▪ Provide concrete bench
8.	INL D 24A	<ul style="list-style-type: none"> ▪ Clean out debris ▪ Provide concrete bench
9.	INL D 26	<ul style="list-style-type: none"> ▪ Clean out debris ▪ Provide concrete bench ▪ Remove filter fabric
10.	INL D 29	<ul style="list-style-type: none"> ▪ Clean out debris ▪ Provide concrete bench

11.	INL D 32A	<ul style="list-style-type: none"> ▪ Clean out debris ▪ Provide concrete bench
12.	INL D 34A	<ul style="list-style-type: none"> ▪ Clean out debris ▪ Provide concrete bench
13.	INL D 36	<ul style="list-style-type: none"> ▪ Clean out debris ▪ Provide concrete bench ▪ Remove filter fabric
14.	INL D 38A	<ul style="list-style-type: none"> ▪ Clean out debris ▪ Provide concrete bench
15.	INL D 39	<ul style="list-style-type: none"> ▪ Clean out debris ▪ Provide concrete bench
16.	INL E 2A	<ul style="list-style-type: none"> ▪ Clean out debris ▪ Provide concrete bench
17.	INL E 5	<ul style="list-style-type: none"> ▪ Clean out debris ▪ Provide concrete bench ▪ Remove filter fabric
18.	INL E 10	<ul style="list-style-type: none"> ▪ Clean out debris ▪ Provide concrete bench
19.	INL E 14	<ul style="list-style-type: none"> ▪ Clean out debris ▪ Provide concrete bench ▪ Remove filter fabric
20.	INL E 16	<ul style="list-style-type: none"> ▪ Clean out debris ▪ Provide concrete bench ▪ Remove filter fabric
21.	INL E 22	<ul style="list-style-type: none"> ▪ Could not locate. Assume lid is buried. Adjust to match final grade. ▪ Clean out debris (assumed) ▪ Provide concrete bench (assumed)
22.	INL E 28	<ul style="list-style-type: none"> ▪ Clean out debris ▪ Provide concrete bench
23.	INL E 32	<ul style="list-style-type: none"> ▪ Could not locate. Assume lid is buried. Adjust to match final grade. ▪ Clean out debris (assumed) ▪ Provide concrete bench (assumed)
24.	INL E 38A	<ul style="list-style-type: none"> ▪ Could not locate. Assume lid is buried. Adjust to match final grade. ▪ Clean out debris (assumed) ▪ Provide concrete bench (assumed)
25.	INL E 39	<ul style="list-style-type: none"> ▪ Could not locate. Assume lid is buried. Adjust to match final grade. ▪ Clean out debris (assumed) ▪ Provide concrete bench (assumed)
26.	INL E 42A	<ul style="list-style-type: none"> ▪ Clean out debris ▪ Provide concrete bench
27.	INL E 42	<ul style="list-style-type: none"> ▪ Clean out debris ▪ Provide concrete bench

28.	INL F 2A	<ul style="list-style-type: none"> ▪ Clean out debris ▪ Provide concrete bench ▪ Remove filter fabric
29.	INL F 3A	<ul style="list-style-type: none"> ▪ Clean out debris ▪ Provide concrete bench
30.	INL F 11A	<ul style="list-style-type: none"> ▪ Clean out debris ▪ Provide concrete bench
31.	INL G 3	<ul style="list-style-type: none"> ▪ Clean out debris ▪ Provide concrete bench
32.	INL G 5	<ul style="list-style-type: none"> ▪ Clean out debris ▪ Provide concrete bench
33.	INL G 8A	<ul style="list-style-type: none"> ▪ Clean out debris ▪ Provide concrete bench
34.	INL G 10	<ul style="list-style-type: none"> ▪ Clean out debris ▪ Provide concrete bench
35.	INL H 1	<ul style="list-style-type: none"> ▪ Clean out debris ▪ Provide concrete bench ▪ Remove filter fabric
36.	INL H 4A	<ul style="list-style-type: none"> ▪ Clean out debris ▪ Provide concrete bench
37.	INL H 5	<ul style="list-style-type: none"> ▪ Clean out debris ▪ Provide concrete bench ▪ Remove filter fabric
38.	INL J 2A	<ul style="list-style-type: none"> ▪ Could not locate. Assume lid is buried. Adjust to match final grade. ▪ Clean out debris (assumed) ▪ Provide concrete bench (assumed)
39.	INL J 2B	<ul style="list-style-type: none"> ▪ Could not locate. Assume lid is buried. Adjust to match final grade. ▪ Clean out debris (assumed) ▪ Provide concrete bench (assumed)
40.	INL J 5B	<ul style="list-style-type: none"> ▪ Clean out debris ▪ Provide concrete bench ▪ Remove filter fabric
41.	INL J 7B	<ul style="list-style-type: none"> ▪ Clean out debris ▪ Provide concrete bench ▪ Remove filter fabric
42.	INL J 9B	<ul style="list-style-type: none"> ▪ Clean out debris ▪ Provide concrete bench
43.	INL J 10A1	<ul style="list-style-type: none"> ▪ Clean out debris ▪ Provide concrete bench
44.	INL J 11A	<ul style="list-style-type: none"> ▪ Clean out debris ▪ Provide concrete bench
45.	INL J 11B	<ul style="list-style-type: none"> ▪ Clean out debris ▪ Provide concrete bench

46.	INL J 12C	<ul style="list-style-type: none"> ▪ Clean out debris ▪ Provide concrete bench ▪ Remove filter fabric
47.	INL J 15B	<ul style="list-style-type: none"> ▪ Clean out debris ▪ Provide concrete bench ▪ Remove filter fabric
48.	INL J 16B	<ul style="list-style-type: none"> ▪ Clean out debris ▪ Provide concrete bench ▪ Remove filter fabric
49.	INL J 17	<ul style="list-style-type: none"> ▪ Clean out debris ▪ Provide concrete bench ▪ Remove filter fabric
50.	INL J 21B	<ul style="list-style-type: none"> ▪ Clean out debris ▪ Provide concrete bench
51.	INL J 22B	<ul style="list-style-type: none"> ▪ Clean out debris ▪ Provide concrete bench ▪ Remove filter fabric
52.	INL J 24	<ul style="list-style-type: none"> ▪ Could not locate. Assume lid is buried. Adjust to match final grade. ▪ Clean out debris (assumed) ▪ Provide concrete bench (assumed)
53.	CB B 1A	<ul style="list-style-type: none"> ▪ Clean out debris
54.	CB B 2	<ul style="list-style-type: none"> ▪ Clean out debris
55.	CB C 11	<ul style="list-style-type: none"> ▪ Clean out debris
56.	CB D 3	<ul style="list-style-type: none"> ▪ Clean out debris ▪ Remove filter fabric
57.	CB D 12	<ul style="list-style-type: none"> ▪ Clean out debris
58.	CB D 15	<ul style="list-style-type: none"> ▪ Clean out debris
59.	CB D 21	<ul style="list-style-type: none"> ▪ Clean out debris
60.	CB D 25	<ul style="list-style-type: none"> ▪ Clean out debris
61.	CB D 28	<ul style="list-style-type: none"> ▪ Clean out debris
62.	CB D 31	<ul style="list-style-type: none"> ▪ Clean out debris
63.	CB D 33	<ul style="list-style-type: none"> ▪ Clean out debris
64.	CB D 35	<ul style="list-style-type: none"> ▪ Clean out debris

65.	CB D 42	<ul style="list-style-type: none"> ▪ Could not locate. Assume lid is buried. Adjust to match final grade. ▪ Clean out debris (assumed)
66.	CB E 2	<ul style="list-style-type: none"> ▪ Clean out debris
67.	CB E 4	<ul style="list-style-type: none"> ▪ Clean out debris
68.	CB E 7	<ul style="list-style-type: none"> ▪ Clean out debris
69.	CB E 9	<ul style="list-style-type: none"> ▪ Clean out debris
70.	CB E 13	<ul style="list-style-type: none"> ▪ Clean out debris ▪ Remove filter fabric
71.	CB E 15	<ul style="list-style-type: none"> ▪ Clean out debris ▪ Remove filter fabric
72.	CB E 18	<ul style="list-style-type: none"> ▪ Clean out debris
73.	CB E 23	<ul style="list-style-type: none"> ▪ Clean out debris ▪ Remove filter fabric
74.	CB E 38	<ul style="list-style-type: none"> ▪ Could not locate. Assume lid is buried. Adjust to match final grade. ▪ Clean out debris (assumed)
75.	CB E 41	<ul style="list-style-type: none"> ▪ Clean out debris
76.	CB E 44	<ul style="list-style-type: none"> ▪ Clean out debris
77.	CB F 2	<ul style="list-style-type: none"> ▪ Clean out debris
78.	CB F 11	<ul style="list-style-type: none"> ▪ Clean out debris
79.	CB G 2	<ul style="list-style-type: none"> ▪ Clean out debris
80.	CB G 8	<ul style="list-style-type: none"> ▪ Clean out debris
81.	CB H 2	<ul style="list-style-type: none"> ▪ Clean out debris ▪ Remove filter fabric
82.	CB H 4	<ul style="list-style-type: none"> ▪ Clean out debris ▪ Remove filter fabric
83.	CB H 9	<ul style="list-style-type: none"> ▪ Clean out debris ▪ Remove filter fabric
84.	CB J 2	<ul style="list-style-type: none"> ▪ Clean out debris
85.	CB J 3A	<ul style="list-style-type: none"> ▪ Clean out debris ▪ Remove filter fabric

86.	CB J 3B	<ul style="list-style-type: none"> ▪ Clean out debris ▪ Remove filter fabric
87.	CB J 5A	<ul style="list-style-type: none"> ▪ Clean out debris ▪ Remove filter fabric
88.	CB J 7A	<ul style="list-style-type: none"> ▪ Clean out debris ▪ Remove filter fabric
89.	CB J 9A	<ul style="list-style-type: none"> ▪ Clean out debris ▪ Remove filter fabric
90.	CB J 10A	<ul style="list-style-type: none"> ▪ Clean out debris
91.	CB J 12A	<ul style="list-style-type: none"> ▪ Clean out debris ▪ Remove filter fabric
92.	CB J 14A	<ul style="list-style-type: none"> ▪ Clean out debris ▪ Remove filter fabric
93.	CB J 15A	<ul style="list-style-type: none"> ▪ Clean out debris ▪ Remove filter fabric
94.	CB J 16A	<ul style="list-style-type: none"> ▪ Clean out debris ▪ Remove filter fabric
95.	CB J 18	<ul style="list-style-type: none"> ▪ Clean out debris
96.	CB J 21	<ul style="list-style-type: none"> ▪ Clean out debris
97.	MH B 3	<ul style="list-style-type: none"> ▪ Clean out debris ▪ Provide concrete bench
98.	MH B 5	<ul style="list-style-type: none"> ▪ Clean out debris ▪ Provide concrete bench
99.	MH B 7	<ul style="list-style-type: none"> ▪ Clean out debris ▪ Provide concrete bench
100.	MH C 2	<ul style="list-style-type: none"> ▪ Clean out debris ▪ Provide concrete bench
101.	MH C 3	<ul style="list-style-type: none"> ▪ Clean out debris ▪ Provide concrete bench
102.	MH C 4	<ul style="list-style-type: none"> ▪ Clean out debris ▪ Provide concrete bench
103.	MH C 5	<ul style="list-style-type: none"> ▪ Clean out debris ▪ Provide concrete bench
104.	MH C 6	<ul style="list-style-type: none"> ▪ Clean out debris ▪ Provide concrete bench
105.	MH C 7	<ul style="list-style-type: none"> ▪ Clean out debris ▪ Provide concrete bench
106.	MH C 8	<ul style="list-style-type: none"> ▪ Clean out debris ▪ Provide concrete bench
107.	MH C 9	<ul style="list-style-type: none"> ▪ Clean out debris ▪ Provide concrete bench
108.	MH C 12	<ul style="list-style-type: none"> ▪ Clean out debris ▪ Provide concrete bench

109.	MH D 2	<ul style="list-style-type: none"> ▪ Clean out debris ▪ Provide concrete bench
110.	MH D 4	<ul style="list-style-type: none"> ▪ Clean out debris ▪ Provide concrete bench
111.	MH D 5	<ul style="list-style-type: none"> ▪ Clean out debris ▪ Provide concrete bench
112.	MH D 7	<ul style="list-style-type: none"> ▪ Clean out debris ▪ Provide concrete bench ▪ Remove filter fabric
113.	MH D 8	<ul style="list-style-type: none"> ▪ Clean out debris ▪ Provide concrete bench
114.	MH D 9	<ul style="list-style-type: none"> ▪ Clean out debris ▪ Provide concrete bench
115.	MH D 10	<ul style="list-style-type: none"> ▪ Clean out debris ▪ Provide concrete bench
116.	MH D 16	<ul style="list-style-type: none"> ▪ Clean out debris ▪ Provide concrete bench
117.	MH D 20A	<ul style="list-style-type: none"> ▪ Clean out debris ▪ Provide concrete bench
118.	MH D 23	<ul style="list-style-type: none"> ▪ Could not locate. Assume lid is buried. Adjust to match final grade. ▪ Provide concrete bench (assumed) ▪ Clean out debris (assumed)
119.	MH D 24	<ul style="list-style-type: none"> ▪ Could not locate. Assume lid is buried. Adjust to match final grade. ▪ Provide concrete bench (assumed) ▪ Clean out debris (assumed)
120.	MH D 27	<ul style="list-style-type: none"> ▪ Clean out debris ▪ Provide concrete bench ▪ Remove filter fabric
121.	MH D 30	<ul style="list-style-type: none"> ▪ Clean out debris ▪ Provide concrete bench
122.	MH D 32	<ul style="list-style-type: none"> ▪ Clean out debris ▪ Provide concrete bench
123.	MH D 34	<ul style="list-style-type: none"> ▪ Clean out debris ▪ Provide concrete bench
124.	MH D 37	<ul style="list-style-type: none"> ▪ Clean out debris ▪ Provide concrete bench
125.	MH D 38B	<ul style="list-style-type: none"> ▪ Clean out debris ▪ Provide concrete bench ▪ Remove filter fabric
126.	MH D 38	<ul style="list-style-type: none"> ▪ Clean out debris ▪ Provide concrete bench ▪ Remove filter fabric

127.	MH D 41A	<ul style="list-style-type: none"> ▪ Could not locate. Assume lid is buried. Adjust to match final grade. ▪ Provide concrete bench (assumed) ▪ Clean out debris (assumed)
128.	MH D 41	<ul style="list-style-type: none"> ▪ Could not locate. Assume lid is buried. Adjust to match final grade. ▪ Provide concrete bench (assumed) ▪ Clean out debris (assumed)
129.	MH E 1A	<ul style="list-style-type: none"> ▪ Clean out debris ▪ Provide concrete bench
130.	MH E 1B	<ul style="list-style-type: none"> ▪ Clean out debris ▪ Provide concrete bench
131.	MH E 3A	<ul style="list-style-type: none"> ▪ Clean out debris ▪ Provide concrete bench
132.	MH E 3	<ul style="list-style-type: none"> ▪ Clean out debris ▪ Provide concrete bench
133.	MH E 8	<ul style="list-style-type: none"> ▪ Clean out debris ▪ Provide concrete bench ▪ Remove filter fabric
134.	MH E 11A	<ul style="list-style-type: none"> ▪ Clean out debris ▪ Provide concrete bench
135.	MH E 12	<ul style="list-style-type: none"> ▪ Clean out debris ▪ Provide concrete bench
136.	MH E 19	<ul style="list-style-type: none"> ▪ Clean out debris ▪ Provide concrete bench ▪ Remove filter fabric
137.	MH E 20	<ul style="list-style-type: none"> ▪ Could not locate. Assume lid is buried. Adjust to match final grade. ▪ Provide concrete bench (assumed) ▪ Clean out debris (assumed)
138.	MH E 21	<ul style="list-style-type: none"> ▪ Clean out debris ▪ Provide concrete bench
139.	MH E 24	<ul style="list-style-type: none"> ▪ Clean out debris ▪ Provide concrete bench
140.	MH E 25	<ul style="list-style-type: none"> ▪ Clean out debris ▪ Provide concrete bench
141.	MH E 26	<ul style="list-style-type: none"> ▪ Could not locate. Assume lid is buried. Adjust to match final grade. ▪ Provide concrete bench (assumed) ▪ Clean out debris (assumed)
142.	MH E 27	<ul style="list-style-type: none"> ▪ Clean out debris ▪ Provide concrete bench ▪ Remove filter fabric
143.	MH E 29	<ul style="list-style-type: none"> ▪ Clean out debris ▪ Provide concrete bench ▪ Replace damaged grate

144.	MH E 30A	<ul style="list-style-type: none"> ▪ Clean out debris ▪ Provide concrete bench
145.	MH E 30	<ul style="list-style-type: none"> ▪ Clean out debris ▪ Provide concrete bench
146.	MH E 31	<ul style="list-style-type: none"> ▪ Could not locate. Assume lid is buried. Adjust to match final grade. ▪ Provide concrete bench (assumed) ▪ Clean out debris (assumed)
147.	MH E 33A	<ul style="list-style-type: none"> ▪ Clean out debris ▪ Provide concrete bench
148.	MH E 34	<ul style="list-style-type: none"> ▪ Clean out debris ▪ Provide concrete bench
149.	MH E 35	<ul style="list-style-type: none"> ▪ Clean out debris ▪ Provide concrete bench
150.	MH E 36	<ul style="list-style-type: none"> ▪ Could not locate. Assume lid is buried. Adjust to match final grade. ▪ Provide concrete bench (assumed) ▪ Clean out debris (assumed)
151.	MH E 37	<ul style="list-style-type: none"> ▪ Clean out debris ▪ Provide concrete bench
152.	MH E 40	<ul style="list-style-type: none"> ▪ Clean out debris ▪ Provide concrete bench
153.	MH E 43	<ul style="list-style-type: none"> ▪ Clean out debris ▪ Provide concrete bench
154.	MH E 44A	<ul style="list-style-type: none"> ▪ Clean out debris ▪ Provide concrete bench
155.	MH F 3	<ul style="list-style-type: none"> ▪ Clean out debris ▪ Provide concrete bench
156.	MH F 6A	<ul style="list-style-type: none"> ▪ Clean out debris ▪ Provide concrete bench
157.	MH F 6	<ul style="list-style-type: none"> ▪ Clean out debris ▪ Provide concrete bench
158.	MH F 7A	<ul style="list-style-type: none"> ▪ Clean out debris ▪ Provide concrete bench
159.	MH F 9	<ul style="list-style-type: none"> ▪ Clean out debris ▪ Provide concrete bench
160.	MH G 4	<ul style="list-style-type: none"> ▪ Clean out debris ▪ Provide concrete bench
161.	MH G 7	<ul style="list-style-type: none"> ▪ Clean out debris ▪ Provide concrete bench
162.	MH G 11	<ul style="list-style-type: none"> ▪ Clean out debris ▪ Provide concrete bench ▪ Replace damaged grate
163.	MH H 7	<ul style="list-style-type: none"> ▪ Clean out debris ▪ Provide concrete bench

164.	MH H 8	<ul style="list-style-type: none"> ▪ Clean out debris ▪ Provide concrete bench ▪ Remove filter fabric
165.	MH H 10	<ul style="list-style-type: none"> ▪ Could not locate. Assume lid is buried. Adjust to match final grade. ▪ Provide concrete bench (assumed) ▪ Clean out debris (assumed)
166.	MH H 11	<ul style="list-style-type: none"> ▪ Clean out debris ▪ Provide concrete bench
167.	MH J 3C	<ul style="list-style-type: none"> ▪ Could not locate. Assume lid is buried. Adjust to match final grade. ▪ Provide concrete bench (assumed) ▪ Clean out debris (assumed)
168.	MH J 3	<ul style="list-style-type: none"> ▪ Could not locate. Assume lid is buried. Adjust to match final grade. ▪ Provide concrete bench (assumed) ▪ Clean out debris (assumed)
169.	MH J 4	<ul style="list-style-type: none"> ▪ Could not locate. Assume lid is buried. Adjust to match final grade. ▪ Provide concrete bench (assumed) ▪ Clean out debris (assumed)
170.	MH J 5	<ul style="list-style-type: none"> ▪ Clean out debris ▪ Provide concrete bench
171.	MH J 6	<ul style="list-style-type: none"> ▪ Clean out debris ▪ Provide concrete bench ▪ Install steps
172.	MH J 7	<ul style="list-style-type: none"> ▪ Clean out debris ▪ Provide concrete bench
173.	MH J 8	<ul style="list-style-type: none"> ▪ Could not locate. Assume lid is buried. Adjust to match final grade. ▪ Provide concrete bench (assumed) ▪ Clean out debris (assumed)
174.	MH J 9	<ul style="list-style-type: none"> ▪ Clean out debris ▪ Provide concrete bench
175.	MH J 10A2	<ul style="list-style-type: none"> ▪ Clean out debris ▪ Provide concrete bench
176.	MH J 10B	<ul style="list-style-type: none"> ▪ Clean out debris ▪ Provide concrete bench
177.	MH J 10B1	<ul style="list-style-type: none"> ▪ Clean out debris ▪ Provide concrete bench
178.	MH J 10	<ul style="list-style-type: none"> ▪ Clean out debris ▪ Provide concrete bench
179.	MH J 11	<ul style="list-style-type: none"> ▪ Clean out debris ▪ Provide concrete bench
180.	MH J 12B	<ul style="list-style-type: none"> ▪ Clean out debris ▪ Provide concrete bench ▪ Remove filter fabric

181.	MH J 12	<ul style="list-style-type: none"> ▪ Clean out debris ▪ Provide concrete bench
182.	MH J 13	<ul style="list-style-type: none"> ▪ Clean out debris ▪ Provide concrete bench
183.	MH J 14	<ul style="list-style-type: none"> ▪ Clean out debris ▪ Provide concrete bench
184.	MH J 15	<ul style="list-style-type: none"> ▪ Clean out debris ▪ Provide concrete bench ▪ Remove filter fabric
185.	MH J 16	<ul style="list-style-type: none"> ▪ Could not locate. Assume lid is buried. Adjust to match final grade. ▪ Provide concrete bench (assumed) ▪ Clean out debris (assumed)
186.	MH J 21A	<ul style="list-style-type: none"> ▪ Clean out debris ▪ Provide concrete bench
187.	MH J 22A	<ul style="list-style-type: none"> ▪ Clean out debris ▪ Provide concrete bench ▪ Remove filter fabric
188.	MH J 22	<ul style="list-style-type: none"> ▪ Clean out debris ▪ Provide concrete bench ▪ Remove filter fabric
189.	MH J 23	<ul style="list-style-type: none"> ▪ Could not locate. Assume lid is buried. Adjust to match final grade. ▪ Provide concrete bench (assumed) ▪ Clean out debris (assumed)
190.	MH J 26	<ul style="list-style-type: none"> ▪ Clean out debris ▪ Provide concrete bench
191.	FES B 6	<ul style="list-style-type: none"> ▪ Clean out debris
192.	FES B 9	<ul style="list-style-type: none"> ▪ Clean out debris
193.	FES C 1	<ul style="list-style-type: none"> ▪ Clean out debris
194.	FES C 3A	<ul style="list-style-type: none"> ▪ Clean out debris
195.	FES C 10	<ul style="list-style-type: none"> ▪ Clean out debris
196.	FES C 13	<ul style="list-style-type: none"> ▪ Clean out debris
197.	FES D 1	<ul style="list-style-type: none"> ▪ Clean out debris
198.	FES D 14	<ul style="list-style-type: none"> ▪ Clean out debris
199.	FES D 20	<ul style="list-style-type: none"> ▪ Clean out debris
200.	FES D 40	<ul style="list-style-type: none"> ▪ Could not locate. Expose FES. ▪ Clean out debris

201.	FES D 44	▪ Clean out debris
202.	FES E 1	▪ Clean out debris
203.	FES E 6	▪ Clean out debris
204.	FES E 11	▪ Clean out debris
205.	FES E 17	▪ Clean out debris
206.	FES E 33	▪ Clean out debris
207.	FES E 45	▪ Clean out debris
208.	FES F 1	▪ Clean out debris
209.	FES F 5	▪ Clean out debris
210.	FES F 10	▪ Clean out debris
211.	FES F 12	▪ Clean out debris
212.	FES G 1	▪ Clean out debris
213.	FES G 6	▪ Clean out debris
214.	FES G 11B	▪ Clean out debris
215.	FES G 12	▪ Clean out debris
216.	FES H 3	▪ Clean out debris
217.	FES H 6	▪ Clean out debris
218.	FES H 12	▪ Clean out debris
219.	FES J 1	▪ Clean out debris
220.	FES J 10B2	▪ Clean out debris
221.	FES J 19	▪ Clean out debris
222.	FES J 20	▪ Clean out debris
223.	FES J 25	▪ Clean out debris

224.	FES J 27	▪ Clean out debris
225.	SLOPE BOX B 3A	▪ Clean out debris
226.	SLOPE BOX B 4	▪ Clean out debris
227.	SLOPE BOX F 4	▪ Clean out debris ▪ Replace damaged grates
228.	SLOPE BOX F 7	▪ Clean out debris
229.	SLOPE BOX F 8	▪ Clean out debris
230.	SLOPE BOX G 11A	▪ Clean out debris
231.	SLOE BOX G 11C	▪ Clean out debris

Sanitary Sewer Appurtenances

Sanitary Sewer manholes were observed for compliance with the approved subdivision improvement plans. It is HR Green's understanding that the sanitary sewer system is owned and maintained by Illinois American Water. These improvements are not owned and maintained by the Village of Homer Glen, however, it would be beneficial to observe the sanitary sewer manholes to identify any defects to the structures that could impact other public infrastructure improvements and threaten the health and safety of the public.

A lift station exists within the Stonebridge Woods subdivision. The lift station is owned and maintained by Illinois American Water.

It is recommended that the following defects be coordinated with Illinois American Water for review and correction prior to Village acceptance of the subdivision.

Item No.	Structure #	Defect/Corrective Action
1.	MH 6A	▪ Frame appears to be set too high. Adjust to match final grade.
2.	MH 18A	▪ Could not locate. Assume lid is buried. Adjust frame to match final grade.
3.	MH 34A	▪ Could not locate. Assume lid is buried. Adjust frame to match final grade.
4.	MH 41	▪ Could not locate. Assume lid is buried. Adjust frame to match final grade.
5.	MH 44	▪ Could not locate. Assume lid is buried. Adjust frame to match final grade.
6.	MH 45	▪ Could not locate. Assume lid is buried. Adjust frame to match final grade.

7.	MH 46	<ul style="list-style-type: none"> ▪ Could not locate. Assume lid is buried. Adjust frame to match final grade.
8.	MH 47	<ul style="list-style-type: none"> ▪ Could not locate. Assume lid is buried. Adjust frame to match final grade.
9.	MH 48	<ul style="list-style-type: none"> ▪ Could not locate. Assume lid is buried. Adjust frame to match final grade.
10.	MH 50	<ul style="list-style-type: none"> ▪ Could not locate. Assume lid is buried. Adjust frame to match final grade.
11.	MH 50A	<ul style="list-style-type: none"> ▪ Could not locate. Assume lid is buried. Adjust frame to match final grade.
12.	MH 52	<ul style="list-style-type: none"> ▪ Could not locate. Assume lid is buried. Adjust frame to match final grade.
13.	MH 55	<ul style="list-style-type: none"> ▪ Could not locate. Assume lid is buried. Adjust frame to match final grade.
14.	MH 57	<ul style="list-style-type: none"> ▪ Could not locate. Assume lid is buried. Adjust frame to match final grade.

Note: The letter “S” is marked in the curb to identify sanitary sewer service crossing locations.

Watermain Appurtenances

Watermain fire hydrants, valve boxes and water service buffalo boxes were observed for compliance with the approved subdivision improvement plans. It is HR Green’s understanding that the water supply system is owned and maintained by Illinois American Water. These improvements are not owned and maintained by the Village of Homer Glen, however, it would be beneficial to observe the watermain appurtenances to identify any defects that could impact other public infrastructure improvements and threaten the health and safety of the public.

HR Green was not responsible to determine if the valves serving water service lines, fire hydrants or watermain mainline were operable (keyable). Assumptions were made based on the visual condition of the appurtenances and the recommended associated repairs. It is recommended to have the Village of Homer Glen/Illinois American Water determine if every valve within the subdivision, which may not be identified in the punch list, is functioning properly prior to performing corrections to water main appurtenances to establish any adjustments to the scope of work.

It is recommended that the following defects be coordinated with Illinois American Water for review and correction prior to Village acceptance of the subdivision.

Item No.	Appurtenance #	Defect/Corrective Action
1.	B-Box BLDG. 5	<ul style="list-style-type: none"> ▪ 2 B-Boxes appears to be set too low. Adjust to match final grade.
2.	B-Box BLDG. 28	<ul style="list-style-type: none"> ▪ 2 B-Boxes are leaning. Assume damaged and replacement will be necessary.

3.	B-Box BLDG. 30	▪ 2 B-Boxes are leaning. Assume damaged and replacement will be necessary.
4.	B-Box Lot 2	▪ B-Box is damaged and needs to be replaced.
5.	B-Box Lot 6	▪ B-Box is damaged and needs to be replaced.
6.	B-Box Lot 9	▪ B-Box is leaning. Assume damaged and replacement will be necessary.
7.	B-Box Lot 18	▪ B-Boxes is leaning. Assume damaged and replacement will be necessary.
8.	B-Box Lot 19	▪ Could not locate. Assume damaged and replacement will be necessary.
9.	B-Box Lot 20	▪ Could not locate. Assume damaged and replacement will be necessary.
10.	B-Box Lot 21	▪ Could not locate. Assume damaged and replacement will be necessary.
11.	B-Box Lot 22	▪ B-Box appears to be set too low. Adjust to match final grade.
12.	B-Box Lot 23	▪ Could not locate. Assume damaged and replacement will be necessary.
13.	B-Box Lot 24	▪ Could not locate. Assume damaged and replacement will be necessary.
14.	B-Box Lot 25	▪ Could not locate. Assume damaged and replacement will be necessary.
15.	B-Box Lot 26	▪ B-Box appears to be set too low. Adjust to match final grade.
16.	B-Box Lot 27	▪ Could not locate. Assume damaged and replacement will be necessary.
17.	B-Box Lot 29	▪ Could not locate. Assume damaged and replacement will be necessary.
18.	B-Box Lot 30	▪ Could not locate. Assume damaged and replacement will be necessary.
19.	B-Box Lot 31	▪ Could not locate. Assume damaged and replacement will be necessary.
20.	B-Box Lot 35	▪ Could not locate. Assume damaged and replacement will be necessary.
21.	B-Box Lot 36	▪ Could not locate. Assume damaged and replacement will be necessary.
22.	B-Box Lot 40	▪ Could not locate. Assume damaged and replacement will be necessary.
23.	B-Box Lot 41	▪ Could not locate. Assume damaged and replacement will be necessary.
24.	B-Box Lot 42	▪ Could not locate. Assume damaged and replacement will be necessary.
25.	B-Box Lot 47	▪ Could not locate. Assume damaged and replacement will be necessary.

26.	B-Box Lot 48	▪ Could not locate. Assume damaged and replacement will be necessary.
27.	B-Box Lot 54	▪ B-Box is leaning. Assume damaged and replacement will be necessary.
28.	B-Box Lot 70	▪ B-Box is leaning. Assume damaged and replacement will be necessary.

Notes:

1. The letter “W” is marked in the curb to identify water service crossing locations.
2. Water service buffalo boxes that appeared higher than future finished surrounding grades have not been identified in the deficiency list, as they can be lowered with minimal effort during the sidewalk and restoration improvements.

Sidewalk

Sidewalk improvements were observed for compliance with the approved subdivision improvement plans. The plans for Stonebridge Woods include providing a 5’ wide concrete sidewalk within the parkway along the roadways throughout the subdivision with exception of along Frontage Road, Lakewood Path, the west side of Olha Farm Way, Pine Hill Drive and the south side of Stonebridge Woods Crossing. Sidewalk has been installed adjacent to Lots 73, 74, 78, 81 and adjacent to lots where homes have been constructed. The punchlist includes completing proposed concrete sidewalk adjacent to undeveloped lots within the public Right-Of-Way and correcting any deficient sidewalk the exists.

It is critical to adhere to the State of Illinois American’s with Disabilities Act (A.D.A.) requirements set forth for sidewalk approaches made accessible to the handicap. In order to obtain conformance with the plans and the State of Illinois requirements, A.D.A. compliant sidewalk approach improvements have been included in this report where sidewalk approaches are proposed or need corrections. In areas where the sidewalk approaches are incorrect, sidewalk removal and replacement will be necessary.

The following table includes recommendations for sidewalk related improvements to be performed prior to Village acceptance of the subdivision.

Roadway	P.C.C. Sidewalk (5” depth)	Sidewalk Removal and Replacement	Detectable Warnings
Alissa Court	4,675 SF BLDG. 18 and 19: 270’ X 5’ BLDG. 24: 195’ X 5’ BLDG. 29, 30 and 31: 470’ X 5’	25 SF (SW corner at Breanne Lane: 5’ X 5’)	56 SY (SW corner at Penny Lane (North): 4’ X 2’) (NW and NE corners at Penny Lane (South): 2 X 4’ X 2’) (NW, NE, SW & SE corners at Breanne Lane: 4 X 4’ X 2’)

Breanne Lane	2,900 SF BLDG. 18: 175' X 5' BLDG. 20: 180' X 5' Lot 1: 225' X 5'	25 SF (SW corner at Alissa Court: 5' X 5')	32 SF (NW and SW corners at Alissa Court: 2 X 4' X 2') (NE and SE corners at Stonebridge Drive: 2 X 4' X 2')
Frontage Road	N/A	N/A	N/A
Lakewood Path	N/A	N/A	N/A
Olha Farm Way	1,250 SF Lot 13: 215' X 5' Lot 61: 35' X 5'	N/A	8 SF (NW and NE corners at Pine Hill Drive / Stonebridge Woods Crossing: 2 X 4' X 2')
Penny Lane	5,225 SF BLDG. 1: 180' X 5' BLDG. 2: 145' X 5' BLDG. 3: 140' X 5' BLDG. 5: 80' X 5' BLDG. 24: 120' X 5' BLDG. 27: 165' X 5' BLDG. 29: 215' X 5'	N/A	40 SY (NE corner at Stonebridge Drive: 4' X 2') (NW, NE and SW corners at Alissa Court (North): 3 X 4' X 2') (NE corner at Alissa Court (South): 4' X 2')
Pine Hill Drive	N/A	N/A	N/A

<p>Stonebridge Drive</p>	<p>6,565 SF At Frontage Road: 40' X 5' BLDG. 1: 125' X 5' BLDG. 20 and 21: 260' X 5' Lot 1: 90' X 5' Lot 2: 110' X 5' Lot 9: 60' X 5' Lot 10: 110' X 5' Lot 67: 170' X 5' Lot 68: 130' X 5' Lot 69: 13' X 5' Lot 70: 120' X 5' Lot 71: 185' X 5'</p>	<p>N/A</p>	<p>80 SF (NW, NE and SE corners at Frontage Road: 4 X 4' X 2') (NW and NE corners at Penny Lane: 2 X 4' X 2') (NW, NE, SW and SE corners at Breanne Lane: 4 X 4' X 2')</p>
<p>Stonebridge Woods Crossing</p>	<p>9,105 SF Lot 13: 110' X 5' Lot 15: 84' X 5' Lot 16: 90' X 5' Lot 18: 100' X 5' Lot 19: 125' X 5' Lot 20: 95' X 5' Lot 21: 93' X 5' Lot 22: 83' X 5' Lot 23: 78' X 5' Lot 24: 76' X 5' Lot 25: 94' X 5' Lot 26: 94' X 5' Lot 27: 94' X 5' Lot 29: 100' X 5' Lot 30: 100' X 5' Lot 31: 100' X 5' Lot 32: 100' X 5' Lot 34: 100' X 5' Lot 61: 45' X 5' Lot 73: 60' X 5'</p>	<p>N/A</p>	<p>N/A</p>
<p>Wildwood Lane</p>	<p>2,700 SF Lot 2: 160' X 5' Lot 3: 90' X 5' Lot 4: 55' X 5' Lot 6: 45' X 5' Lot 8: 110' X 5' Lot 9: 80' X 5'</p>	<p>N/A</p>	<p>16 SF (NE and SE corners at Stonebridge Drive: 2 X 4' X 2')</p>
<p>TOTALS:</p>	<p>32,420 SF</p>	<p>50 SF</p>	<p>232 SF</p>

Note: Aggregate base course is included for the sidewalk improvements per the improvement plans, however, no standard depth is provided. It is recommended to provide a minimum 4" of aggregate base course for new sidewalk installation.

Street Lighting

The Stonebridge Woods improvement plans included proposed street lighting locations and standard details. Decorative street lighting exists and the locations appear to have been installed at or near the plan locations. The decorative street light style appears to match the style included in the plans. Visual day time and night time observations of the street lighting indicated that all street lights were functioning and no deficiencies were observed.

Signage and Pavement Markings

Signage improvements were included in the Stonebridge Woods plans provided to HR Green. Street name signs were observed throughout the subdivision. There are various types of signage included in the plans that have not been installed and are included in the recommended list of signs to be installed for acceptance of the subdivision.

Pavement markings for stop bars, median approaches and turn lanes were included in the improvement plans but do not exist. Pavement markings to be provided for the subdivision that have been included in this report should be installed upon completing the HMA surface course overlay.

The following table includes the recommended signage and pavement marking improvements to be performed prior to Village acceptance of the subdivision.

Road	R1-1 (Stop Signs) 30" X 30"	R2-1 (Speed Limit 25) 24" X 30"	R4-7 (Median Warning) 24" X 30"	Misc. Signage	Pavement Markings (4")	Stop Bar Pavement Markings (24" - White)
Alissa Court	N/A	N/A	N/A	N/A	N/A	N/A
Breanne Lane	1 EA (At Stonebridge Drive)	N/A	N/A	N/A	N/A	15 FT (At Stonebridge Drive)
Frontage Road	1 EA (At Stonebridge Drive)	N/A	N/A	N/A	N/A	15 FT (At Stonebridge Drive)

Lakewood Path	1 EA (At Stonebridge Woods Crossing)	N/A	N/A	N/A	N/A	15 FT (At Stonebridge Woods Crossing)
Olha Farm Way	2 EA (At Stonebridge Drive and Pine Hill Drive)	N/A	N/A	1 EA (Stop Dismount Bicycle – STA. 14+95, LT)	N/A	30 FT (At Stonebridge Drive: 15'; At Pine Hill Drive: 15')
Penny Lane	1 EA (At Stonebridge Drive)	N/A	N/A	N/A	N/A	15 FT (At Stonebridge Drive)
Pine Hill Drive	N/A	2 EA (STA. 10+20, LT; 18+85, LT)	2 EA (Island median)	1 EA (End of Bicycle Path – STA. 10+20, LT)	275 FT (Median approach)	N/A
Stonebridge Drive	N/A	N/A	N/A	N/A	185 FT (Turn lane)	55 FT (At 159 th Street: 25'; At Frontage Rd.: 2 X 15')
Stonebridge Woods Crossing	N/A	1 EA (STA. 30 + 90, LT)	2 EA (Island median)	N/A	275 FT (Median approach)	N/A
Wildwood Lane	1 EA (At Stonebridge Drive)	N/A	N/A	N/A	N/A	15 FT (At Stonebridge Drive)
TOTALS:	7 EA	3 EA	4 EA	2 EA	735 FT	160 FT

Notes:

1. Include a Right Turn Only letter and symbol arrangement (36.4 SF) on Stonebridge Drive at the 159th Street approach as indicated in the plans.
2. Regulatory and warning signs are to include one post per sign.
3. Paint pavement markings are recommended to be installed.

Restoration and Landscaping

Restoration improvements within the public Right-Of-Way parkway areas are recommended for Village acceptance of the subdivision. The recommended restoration improvements consist of weed removal, placement of topsoil, seed, fertilizer and erosion control blanketing within the parkway areas between the sidewalk and the back of curb along with the space between the back of the proposed sidewalk and the Right-Of-Way line. Where sidewalk is not proposed, the restored areas will be from the back of curb to the Right-Of-Way. Outlots 74, 75, 78 and portions of Outlots 77, 80 and 81 appear to be restored and maintained and restoration improvements are not recommended for these areas. The parkways within the public Right-Of-Way adjacent to these Outlots have also been restored and maintained.

An estimated quantity of topsoil needed to complete the restoration improvements within the parkway has been included in the punchlist. It is recommended to furnish topsoil from outside of the subdivision site to complete the restoration improvements with the proper topsoil material. Some excavation may be necessary in the parkway areas to accommodate a proper amount of topsoil for adequate turf growth and this work would be performed as part of the topsoil placement preparation. It is recommended that water service buffalo boxes, fire hydrants and utility structures be level with the desired finished restoration grades.

A stockpile of earth material resides on Outlot 81. It appears that there is a mixture of clay and topsoil based on the observation of an exposed section at the west side of the stockpile. As it is difficult to assume that the stockpile of unknown earth material on Outlot 81 can benefit the subdivision's improvements, HR Green has included the removal of the stockpile material based on the estimated measurements taken and associated calculated volume. HR Green has provided an estimated cost for the removal of the stockpile material.

Landscaping plans for Stonebridge Woods were available for HR Green to compare the intended landscaping improvements to what currently exists, however, plans for stormwater area plantings were unavailable. The available landscape plans include a general layout of parkway trees throughout, buffer landscaping at Parker Road and 159th Street, landscaping for the island medians on Pine Hill Drive and Stonebridge Woods Crossing and plantings on Outlots 73 and 74. The landscaping improvements appear to be in accordance with the available landscape plans with exception of the buffer plantings along 159th Street and the plantings for Outlot 73, neither of which exist. The landscaping improvements included along 159th Street are identified as preliminary and contingent upon the commercial development related improvements to be established on Outlots 80 and 81. The landscape plans note that the buffer planting is to be revised when a final commercial plan layout is determined and that coordination should be made with the Village of Homer Glen and I.D.O.T. regarding the landscaping. I.D.O.T is the owner of the 159th Street Right-Of-Way. It is HR Green's understanding that 159th Street is being improved within the next few years. As a result of the unknown commercial development status on Outlots 80 and 81 and potential impacts to the 159th Street Right-Of-Way along with areas adjacent to the Stonebridge Woods subdivision, HR Green does not recommend completion of the associated proposed buffer plantings at this time. The

landscaping plans also include the subdivision entrance monument signs at 159th Street and Parker Road. Both subdivision entrance signs are in place.

HR Green was not able to determine if any project specific plantings were in place for the Outlot areas surrounding the basins or wetland areas, as the stormwater planting plans were unavailable. The landscape plans that were available indicate reference to stormwater area planting plans created by Christopher Burke Engineering for the basin areas. It is recommended that further investigation into the intended plantings be performed prior to restoring the areas surrounding the basins. If the Village cannot access the original landscape plans and desires native plantings around the ponds, HR Green does have landscape architects on staff and we can provide these native landscape services for additional costs.

With the understanding that trees will need to be provided within the parkways prior to Village acceptance of the subdivision, HR Green has included an estimated quantity of trees following Village of Homer Glen tree spacing criteria (40' c-c) as specified in the Village's Subdivision Ordinance. The parkway areas adjacent to Outlots 74, 75, 77, 78, 80 and 81 contain trees, therefore, parkway trees will not be included in the punchlist for this area unless the existing tree condition dictates a replacement or if trees are missing. HR Green observed the condition of existing trees located within the Outlots along with restored Right-Of-Way parkway areas adjacent to Outlots and completed homes to identify any necessary replacements.

The following table includes the recommended restoration and parkway tree improvements necessary to obtain Village acceptance of the subdivision.

Roadway / Area	Restoration (Topsoil, Seed, Fertilizer and Erosion Control Blanket)	Parkway Trees	Earth Stockpile Removal
Alissa Court	1,299 SY (West side: 465' X 12.5') (East side: 470' X 12.5')	23 EA (40' spacing within 935')	N/A
Breanne Lane	806 SY (North side: 355' X 12.5') (South side: 225' X 12.5')	15 EA (40' spacing within 580')	N/A
Frontage Road	583 SY (North side: 300' X 17.5')	17 EA (40' spacing within north side 300': 8) 40' spacing within south side 360': 9 (missing))	N/A
Lakewood Path	2,994 SY (West side: 740' X 17.5') (East side: 800' X 17.5')	41 EA (40' spacing within 1,540': 39) 16371: 2 (missing)	N/A

Olha Farm Way	478 SY (West side: 170' X 9.5') (East side: 215' X 12.5')	12 EA (40' spacing within 385': 10) (16230: 2 (missing))	N/A
Penny Lane	1,451 SY (North and east sides: 545' X 12.5') (South and west sides: 500' X 12.5')	26 EA (40' spacing within 1,045')	N/A
Pine Hill Drive	1,344 SY (West side: 620' X 9.5') (East side: 355' X 17.5')	24 EA (40' spacing within 975')	N/A
Stonebridge Drive	1,840 SY (North and west sides: 455' X 12.5') (South and west sides: 870' X 12.5')	44 EA (40' spacing within 1,325': 33) (13968: 2 (missing)) (Adjacent to Outlot 78: 6) (replacements) (Adjacent to Outlot 80: 2) (replacements) Adjacent to Outlot 81: 1) (replacement)	N/A
Stonebridge Woods Crossing	4,487 SY (North side: 1,775' X 12.5') (South side: 1,040' X 17.5')	74 EA (40' spacing within 2,815': 70) (Adjacent to Outlot 74: 3) (replacements) Adjacent to Outlot 75: 1) (replacement)	N/A
Wildwood Lane	750 SY (North side: 305' X 12.5') (South side: 235' X 12.5')	16 EA (40' spacing within 540': 14) (13884: 2 (missing))	N/A
Outlot 73 (South of Pond F)	N/A	3 EA (2 Black Maple, 1 River Birch missing)	
Outlot 81	6,250 SY (250' X 225')	N/A	25,000 CY (250' X 225' X 12')
TOTALS:	22,282 SY	295 EA	25,000 CY

Notes:

1. Assume an average of 6" of topsoil placement necessary for restoration.

2. Parkway tree type to be determined by the Village of Homer Glen in accordance with Tree Preservation Ordinance 06-014.
3. Tree replacements include the removal of the existing trees that appear to be in a diseased or dying condition.
4. Trees on Outlot 73 are quantified as parkway trees and costs will be figured as parkway trees. Tree type to be determined by the Village of Homer Glen.
5. For finished lots with missing parkway trees, 2 trees per parkway area has been figured unless the lot width dictates more trees to meet the 40' c-c criteria as specified in the Village's Subdivision Ordinance.

Erosion Control

Existing erosion control measures that are commonly used such as perimeter erosion barrier and filter fabric for inlet and pipe protection become no longer applicable after vegetation has developed for areas that were once solely comprised of earth material such as clay or other soils and subject to erosion. In most cases, enough vegetation will develop such that the vegetation itself becomes a means of erosion control. HR Green determined that vegetation growth has become established throughout the Stonebridge Woods subdivision, which includes the Right-Of-Way, private lots and Outlots. As a result, the existing perimeter erosion barrier and filter fabric (inlet and pipe protection) measures are recommended to be removed unless otherwise indicated. Filter fabric removal is covered in the storm sewer deficiency list.

The following table includes the perimeter erosion barrier recommended for removal prior to Village acceptance of the subdivision.

Location	Perimeter Erosion Barrier Removal
BLDG. 23	135 FT
BLDG. 23	100 FT
Lot 2	50 FT
Lot 5	70 FT
Lot 9	50 FT
Lot 12	100 FT
Lot 13	25 FT
Lot 14	530 FT
Lot 27	200 FT
Lot 39	75 FT

Lot 66	500 FT
Lot 67	30 FT
Lot 69	100 FT
Lot 70	100 FT
Lot 71	100 FT
Outlot 73 (Pond perimeter)	2,200 FT
Outlot 77 (Pond perimeter)	1,500 FT
Outlot 81 (Pond and stockpile perimeter)	1,600 FT
TOTAL:	7,465 FT

During the erosion control observation, there was an area on Lots 67 and 68 identified where erosion has been occurring, creating several eroded voids within the ground surface at various areas and causing silt cover over the adjacent bike path and near the perimeter of Pond E on Lot 79. This can be threatening to the Pond and hazardous to pedestrians walking through the area. It is recommended that this area be corrected by means of re-grading or filling the eroded areas with earth material and restoring the surface with seed, fertilizer and erosion control blanket.

The following table includes the recommended erosion corrections to be performed prior to Village acceptance of the subdivision.

Location	Erosion Corrections
Lots 67 and 68 (Rear of properties and up to bike path)	2,500 SY (150' X 150')

Notes:

1. Erosion corrections work includes necessary earth moving operations, necessary furnishing of placement of earth material from on site and placement of vegetation seed and erosion control blanket.
2. The bike path adjacent to Lots 67 and 68 needs to be have the existing silt cleaned from the pavement. This work is to be included in the Erosion Corrections work.

Bike Path Improvements

The Stonebridge Woods improvement plans include a proposed 8' wide asphalt bike path that travels along the west side of Stonebridge Drive, Olha Farm Way, Pine Hill Drive and through Outlots 78 and 79. The bike path has been installed everywhere with exception of various areas along the west side of Olha Farm Way and Pine Hill Drive. The bike path was installed adjacent to private lots as they were developed along Olha Farm Way. Developed Lot 59 on the west side of Pine Hill Drive does not include the bike path adjacent to the property. Lot 59 is the only completed lot along the west side of Pine Hill Drive.

The following table includes the bike path improvements necessary to comply with the subdivision plans and allow for Village acceptance of the subdivision.

Location	Earth Excavation	HMA Surface Course, Mix 'C', N50	Aggregate Base Course, Type B (6")
Olha Farm Way (Adjacent to Lot 61)	30 CY (150' X 8' X 8")	15 Tons (133 SY at 2")	133 SY (150' X 8')
Pine Hill Drive (Adjacent to Lots 57 through 61)	202 CY (1,025' X 8' X 8")	102 Tons (911 SY at 2")	911 SY (1,025' X 8')
TOTALS:	232 CY	117 Tons	1,044 SY

Notes:

1. The proposed bike path work would entail incidental restoration to areas impacted during construction.
2. Estimated earth excavation depth of 8" has been assumed throughout for the installation of the bike path.
3. Lot 60 was under construction during the observation. Bike path improvements adjacent to Lot 60 have been included in case it does not get installed during the Lot's improvements.

II. DETENTION BASIN VERIFICATION

Proposed and Existing Drainage Features Summary

HR Green performed topographical survey services on the Stonebridge Woods Subdivision on June 6th, 2012. The specific information collected included topography of the subdivision's stormwater detention basins including interconnecting storm sewer pipes and structures adjacent to said detention basins in their existing conditions. The basins were surveyed along their top of bank and down to the surface water elevations. This analysis was based on the Engineering Plans dated 08/08/05 prepared by DesigTek

Engineering Consultants Inc. Drainage calculations were not available for our analysis. There are seven stormwater basins (Ponds C, D, E, F, G, H and J). See Exhibits A1 through A7. Ponds C and D are interconnected and act as one single pond. The remaining ponds are all independent with a variety of control structures. Below is a summary of the proposed and existing conditions of the control structures.

POND C			
	PROPOSED	EXISTING	DIFFERENCE
WEIR WALL– TOP ELEV.	753.97	753.25	0.72' LOW
2 YEAR RESTRICTOR INV ELEV. (diameter)	749.77 (5")	748.95 (6")	0.82' LOW (1.0" Too Large)
100 YEAR RESTRICTOR INV ELEV. (diameter)	749.67 (11.5")	748.95 No Plate (24" pipe)	0.72' LOW No Plate
100 YEAR EMERGENCY OVERFLOW WEIR ELEV.	757.93	755.10	2.83' LOW

POND D			
	PROPOSED	EXISTING	DIFFERENCE
EQUALIZER PIPE INV ELEV. (diameter)	750.50 (36")	750.18 (36")	0.32' LOW

POND E			
	PROPOSED	EXISTING	DIFFERENCE
2 YEAR RESTRICTOR INV ELEV. (diameter)	752.64 (3")	752.40 (6")	0.24' LOW (3.0" Too Large)
100 YEAR RESTRICTOR INV ELEV. (diameter)	753.40 (8.25")	754.00 (12")	0.60' HIGH (3.75" Too Large)
100 YEAR EMERGENCY OVERFLOW WEIR ELEV.	758.50	757.90	0.60' LOW

POND F			
	PROPOSED	EXISTING	DIFFERENCE
2 YEAR RESTRICTOR INV ELEV. (diameter)	746.85 (3.65")	746.29 (6")	0.56' LOW (2.35" Too Large)
100 YEAR RESTRICTOR INV ELEV. (diameter)	750.25 (5.80")	749.69 (6")	0.56' LOW (0.20" Too Large)
100 YEAR EMERGENCY OVERFLOW WEIR ELEV.	753.50	751.70	1.8' LOW

POND G			
	PROPOSED	EXISTING	DIFFERENCE
2 YEAR RESTRICTOR INV ELEV. (diameter)	745.58 (5.50")	744.94 (6")	0.64' LOW (0.5" Too Large)
100 YEAR RESTRICTOR INV ELEV. (diameter)	746.90 (5.90")	746.14 (6")	0.76' LOW (0.10" Too Large)
100 YEAR EMERGENCY OVERFLOW STRUCTURE ELEV.	751.60 OPEN GRATE	750.64 OPEN GRATE	0.96' LOW

POND H			
	PROPOSED	EXISTING	DIFFERENCE
2 YEAR RESTRICTOR INV ELEV. (diameter)	755.26 (3.25")	754.86 (4")	0.4' LOW (0.75" Too Large)
100 YEAR RESTRICTOR INV ELEV. (diameter)	None Proposed	756.16 (6")	None Proposed
100 YEAR EMERGENCY OVERFLOW WEIR ELEV.	761.50	760.40	1.10' LOW

POND J			
	PROPOSED	EXISTING	DIFFERENCE
2 YEAR RESTRICTOR INV ELEV. (diameter)	740.49 (5.91")	740.01 (8")	0.48' LOW (2.09" Too Large)
100 YEAR RESTRICTOR INV ELEV. (diameter)	742.40 (6.77")	741.95 (8")	0.45' LOW (1.23" Too Large)
100 YEAR EMERGENCY OVERFLOW WEIR ELEV.	746.60	745.40	1.20' LOW

Volume Determination Summary

Stonebridge Woods Subdivision's stormwater basins existing contour areas were imported into an Excel spreadsheet to calculate the volume of provided storage using the average end area method. The proposed storage volume was not included on the plans and the drainage calculations were not available. To determine the proposed volume, the plan contours were digitized and calculated with the same method as the existing volume.

POND C			
	PROPOSED	EXISTING	DIFFERENCE
NWL	749.80	749.50	0.30' LOW
HWL	755.93	755.10	0.83' LOW
STORAGE VOLUME (AC.FT.)	15.73	14.49	1.24 Shortage

POND D			
	PROPOSED	EXISTING	DIFFERENCE
NWL	749.80	750.20	0.40' HIGH
HWL	755.93	755.10	0.86' LOW
STORAGE VOLUME (AC.FT.)	8.02	6.96	1.06 Shortage

POND E			
	PROPOSED	EXISTING	DIFFERENCE
NWL	752.70	752.40	0.30' LOW
HWL	756.54	756.50	0.04' LOW

STORAGE VOLUME (AC.FT.)	6.32	6.95	0.63 Surplus
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POND F			
	PROPOSED	EXISTING	DIFFERENCE
NWL	747.00	746.90	0.10' LOW
HWL	753.77	751.70	2.07' LOW
STORAGE VOLUME (AC.FT.)	4.83	3.26	1.57 Shortage

POND G			
	PROPOSED	EXISTING	DIFFERENCE
NWL	745.60	745.30	0.30' LOW
HWL	751.60	751.70	0.10' HIGH
STORAGE VOLUME (AC.FT.)	3.25	2.88	0.37 Shortage

POND H			
	PROPOSED	EXISTING	DIFFERENCE
NWL	755.50	755.30	0.20' LOW
HWL	759.07	759.10	0'
STORAGE VOLUME (AC.FT.)	1.14	1.25	0.11 Surplus

POND J			
	PROPOSED	EXISTING	DIFFERENCE
NWL	741.00	740.60	0.40' LOW
HWL	746.55	745.40	1.10' LOW
STORAGE VOLUME (AC.FT.)	9.28	7.78	1.50 Shortage

Conclusions

Pond C

The restrictor pipes and weir wall were all constructed an average of 0.75' lower than proposed. The 2-year restrictor was 1" too large and the 100-year restrictor was not installed. All of these deviations will result in release rates that do not comply with the

proposed design. The 100-year emergency overflow was constructed 2.83' lower than the proposed elevation. This results in a reduced storage volume for the basin. This basin does not comply with the design plans.

Pond D

The outflow equalizer pipe was constructed 0.32' higher than proposed. This raises the NWL resulting in a reduced storage volume. The HWL for this pond is controlled by the downstream overflow of Pond C. The 100-year emergency overflow for Pond C was constructed 2.83' lower than the proposed elevation. This also reduces the storage capacity of the pond. This basin does not comply with the design plans.

Pond E

The diameter of the 2-year restrictor orifice was constructed 3.0" larger than was proposed. The 100-year restrictor orifice was constructed 3.75" larger than was proposed. These deviations will result in release rates that do not comply with the proposed design. The 2-year restrictor was constructed 0.24' lower than proposed which results in an increase of storage volume. The 100-year emergency overflow for Pond E was constructed 0.60' lower than the proposed elevation. This reduces the storage capacity of the pond but since the pond was designed with 2' feet of freeboard above the calculated HWL there is an additional 2.86 ac.ft of potential storage capacity in the pond. This basin does exceed the proposed storage volume but it does not comply with the design plans.

Pond F

The 2-year and 100-year restrictors were constructed 0.56' lower than proposed. The 2-year restrictor was 2.35" too large and the 100-year restrictor was 0.20" too large. All of these deviations will result in release rates that do not comply with the proposed design. The 100-year emergency overflow was constructed 1.80' lower than the proposed elevation. This results in a reduced storage volume for the basin. This basin does not comply with the design plans.

Pond G

The restrictor pipes were all constructed an average of 0.7' lower than proposed. The 2-year restrictor was 0.50" too large and the 100-year restrictor was 0.10" too large. All of these deviations will result in release rates that do not comply with the proposed design. The 100-year emergency overflow inlet structure was constructed 0.96' lower than the proposed elevation. This results in a reduced storage volume for the basin. This basin does not comply with the design plans.

Pond H

The diameter of the 2-year restrictor orifice was constructed 0.75" larger than was proposed. The 100-year restrictor orifice was not proposed on the plans but a 6" restrictor was constructed. These deviations will result in release rates that do not comply with the proposed design. The 2-year restrictor was constructed 0.40' lower than proposed which results in an increase of storage volume. The 100-year emergency overflow for Pond H was constructed 1.10' lower than the proposed elevation and in the incorrect location. This reduces the storage capacity of the pond but since the pond was designed with 2.4' feet of

freeboard above the calculated HWL there is an additional 0.62 ac.ft of potential storage capacity in the pond. This basin does exceed the proposed storage volume but it does not comply with the design plans.

Pond J

The restrictor pipes were all constructed an average of 0.47' lower than proposed. The diameter of the 2-year restrictor orifice was constructed 2.09" larger than was proposed. The diameter of the 100-year restrictor orifice was constructed 1.23" larger than was proposed. These deviations will result in release rates that do not comply with the proposed design. The 2-year restrictor was constructed 0.40' lower than proposed which results in an increase of storage volume. The 100-year emergency overflow for Pond J was constructed 1.20' lower than the proposed elevation. This reduces the storage capacity of the pond. This basin does not comply with the design plans.

SUMMARY

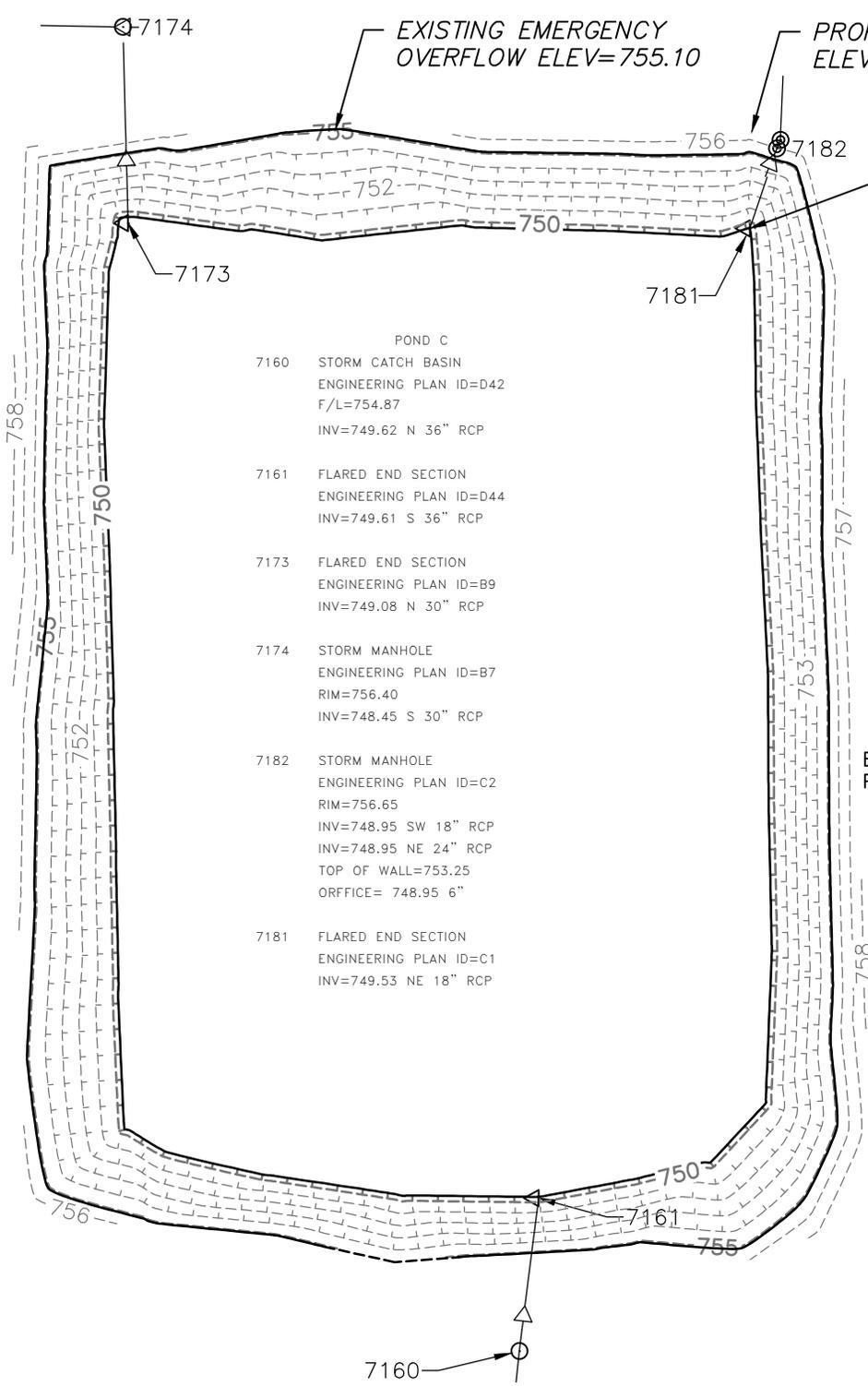
Our overall analysis concludes that the total proposed storage volume for the entire subdivision was 48.6 ac. ft. The total volume calculated by our survey was 43.57 ac.ft. The resulting volume shortage is 5 ac.ft. This is approximately 10% of the total amount proposed. A detailed review of the original drainage calculations or a hydraulic analysis would be required to determine the overall impact of the deviations found. If corrective measures are deemed necessary adjustments to the overflow weirs or outfall pipe can be evaluated. HR Green can provide these services at additional costs.

III. PARCEL IDENTIFICATION

HR Green has researched the specific ownership of both private and public improvement property in the Stonebridge Woods subdivision. The parcel data was obtained by utilizing 2011 tax records through the Will County Treasurer's Office. There are 101 lots within the subdivision numbered 1 through 81 and T1 through T20. Lots serving single family homes are numbered 1 through 72. Outlots serving basins and common areas are numbered 73 through 81. Lots serving townhomes are numbered T1 through T20. Please refer to Exhibit B for parcel identification.

IV. ENGINEER'S OPINION OF PROBABLE COST

The punch list items included in this report have been identified as construction action items with assigned quantities of work and associated unit pricing necessary to correct the deficiencies and complete the outstanding improvements necessary for Village acceptance of the subdivision. HR Green utilized 2012 unit prices for cost estimation purposes. Please refer to Exhibit C for the Engineer's Opinion of Probable Cost.



- POND C**
- 7160 STORM CATCH BASIN
ENGINEERING PLAN ID=D42
F/L=754.87
INV=749.62 N 36" RCP
 - 7161 FLARED END SECTION
ENGINEERING PLAN ID=D44
INV=749.61 S 36" RCP
 - 7173 FLARED END SECTION
ENGINEERING PLAN ID=B9
INV=749.08 N 30" RCP
 - 7174 STORM MANHOLE
ENGINEERING PLAN ID=B7
RIM=756.40
INV=748.45 S 30" RCP
 - 7182 STORM MANHOLE
ENGINEERING PLAN ID=C2
RIM=756.65
INV=748.95 SW 18" RCP
INV=748.95 NE 24" RCP
TOP OF WALL=753.25
ORFFICE= 748.95 6"
 - 7181 FLARED END SECTION
ENGINEERING PLAN ID=C1
INV=749.53 NE 18" RCP

EXISTING POND VOLUME

Elevation (ft)	Area (sq. ft.)	Area (acres)	Volume (ac-ft)	Cumulative Volume
749.5	94920	2.18	0.00	0.000
750	97521	2.24	1.10	1.104
751	103890	2.38	2.31	3.416
752	110449	2.54	2.46	5.876
753	117193	2.69	2.61	8.488
754	124123	2.85	2.77	11.258
755.1	131939	3.03	3.23	14.491

PROPOSED POND VOLUME

Elevation (ft)	Area (sq. ft.)	Area (acres)	Volume (ac-ft)	Cumulative Volume
749.8	96649	2.22	0.00	0.000
751	102561	2.35	2.74	2.744
752	107698	2.47	2.41	5.157
753	112950	2.59	2.53	7.689
754	118320	2.72	2.65	10.344
755	123805	2.84	2.78	13.123
755.9	128840	2.96	2.61	15.732

EXISTING POND VOLUME=14.49 AC. FT.
 PROPOSED POND VOLUME=15.73 AC. FT.

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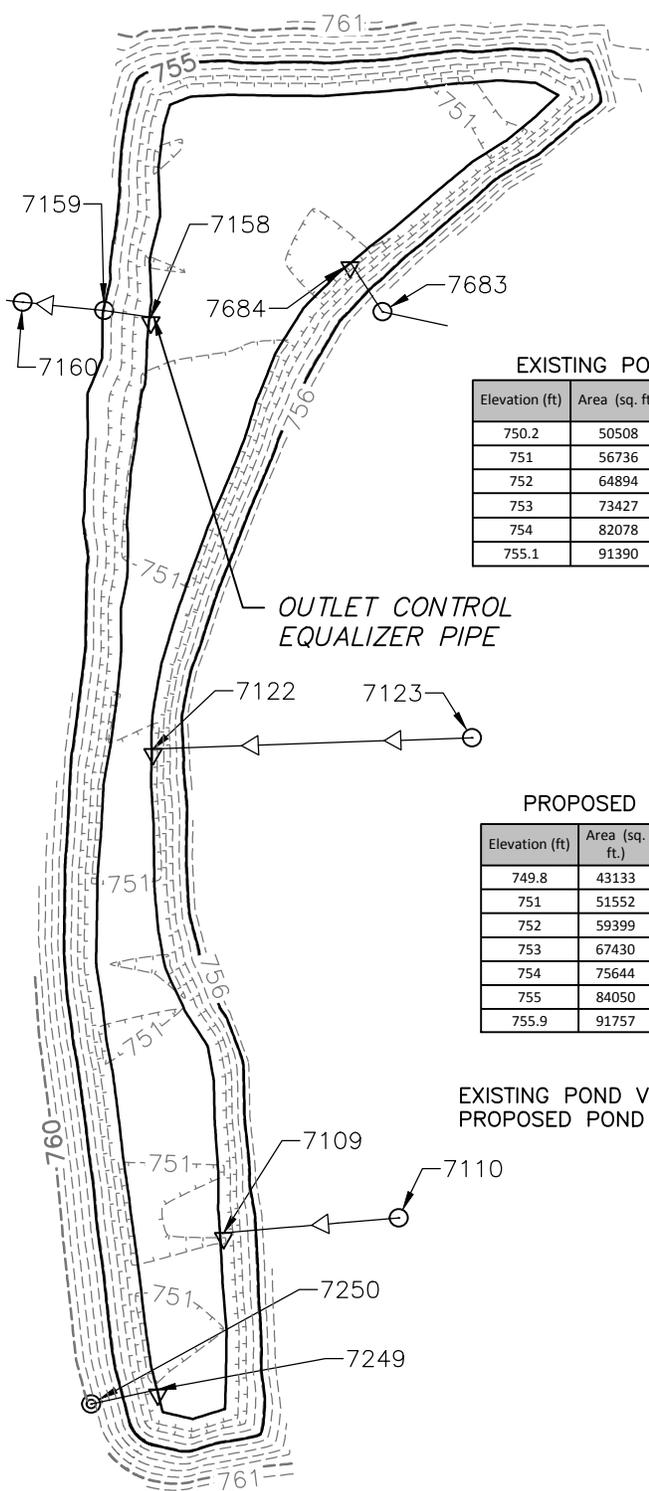
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STONEBRIDGE WOODS
POND C

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EXISTING POND VOLUME

Elevation (ft)	Area (sq. ft.)	Area (acres)	Volume (ac-ft)	Cumulative Volume
750.2	50508	1.16	0.00	0.000
751	56736	1.30	0.00	0.000
752	64894	1.49	1.40	1.395
753	73427	1.69	1.59	2.982
754	82078	1.88	1.78	4.766
755.1	91390	2.10	2.19	6.955

PROPOSED POND VOLUME

Elevation (ft)	Area (sq. ft.)	Area (acres)	Volume (ac-ft)	Cumulative Volume
749.8	43133	0.99	0.00	0.000
751	51552	1.18	0.00	0.000
752	59399	1.36	1.27	1.272
753	67430	1.55	1.45	2.727
754	75644	1.74	1.64	4.369
755	84050	1.93	1.83	6.201
755.9	91757	2.11	1.82	8.016

EXISTING POND VOLUME = 6.96 AC. FT.
 PROPOSED POND VOLUME = 8.01 AC. FT.

- POND D**
- 7159 STORM CATCH BASIN
ENGINEERING PLAN ID=D41A
RIM=756.29
INV=749.69 S/N 36" RCP
 - 7158 FLARED END SECTION
ENGINEERING PLAN ID=D40
INV=750.18 N 36" RCP
 - 7684 FLARED END SECTION
ENGINEERING PLAN ID=D20
INV=750.04 SW 12" RCP
 - 7683 STORM CATCH BASIN
ENGINEERING PLAN ID=D20A
RIM=757.34
INV=751.14 NE 12" RCP
 - 7123 STORM CATCH BASIN
ENGINEERING PLAN ID=D15
RIM=764.15
INV=751.25 N 30" RCP
 - 7122 FLARED END SECTION
ENGINEERING PLAN ID=D14
INV=750.92 S 30" RCP
 - 7109 FLARED END SECTION
ENGINEERING PLAN ID=D1
INV=750.57 S 18" RCP
 - 7110 STORM CATCH BASIN
ENGINEERING PLAN ID=D2
RIM=759.44
INV=752.89 N/S 18" RCP
 - 7250 STORM CATCH BASIN
ENGINEERING PLAN ID=E44A
RIM=760.50
INV=750.00 S 36" RCP
 - 7249 FLARED END SECTION
ENGINEERING PLAN ID=D45
INV=750.20 N 36" RCP

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POND D

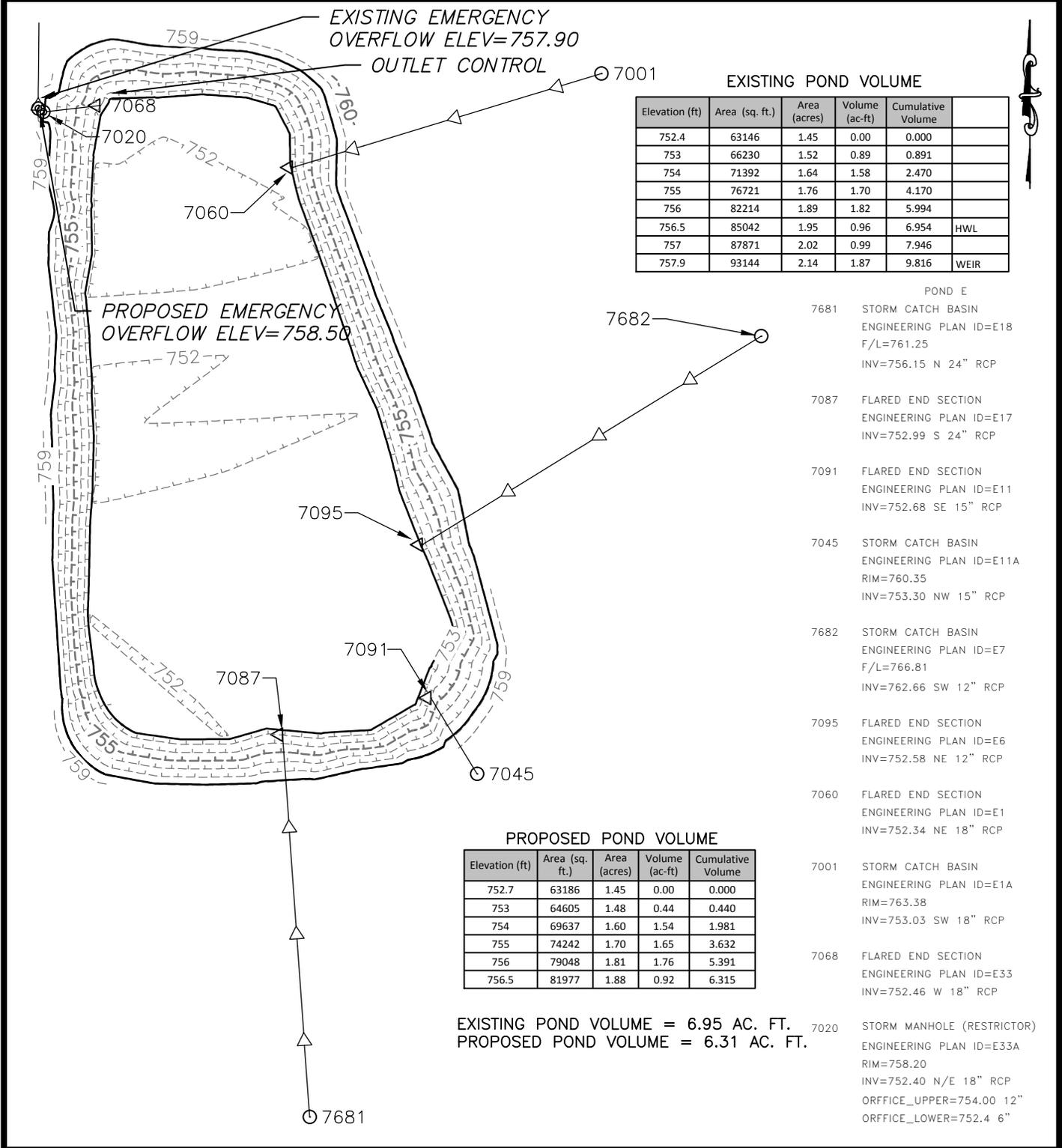
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POND E

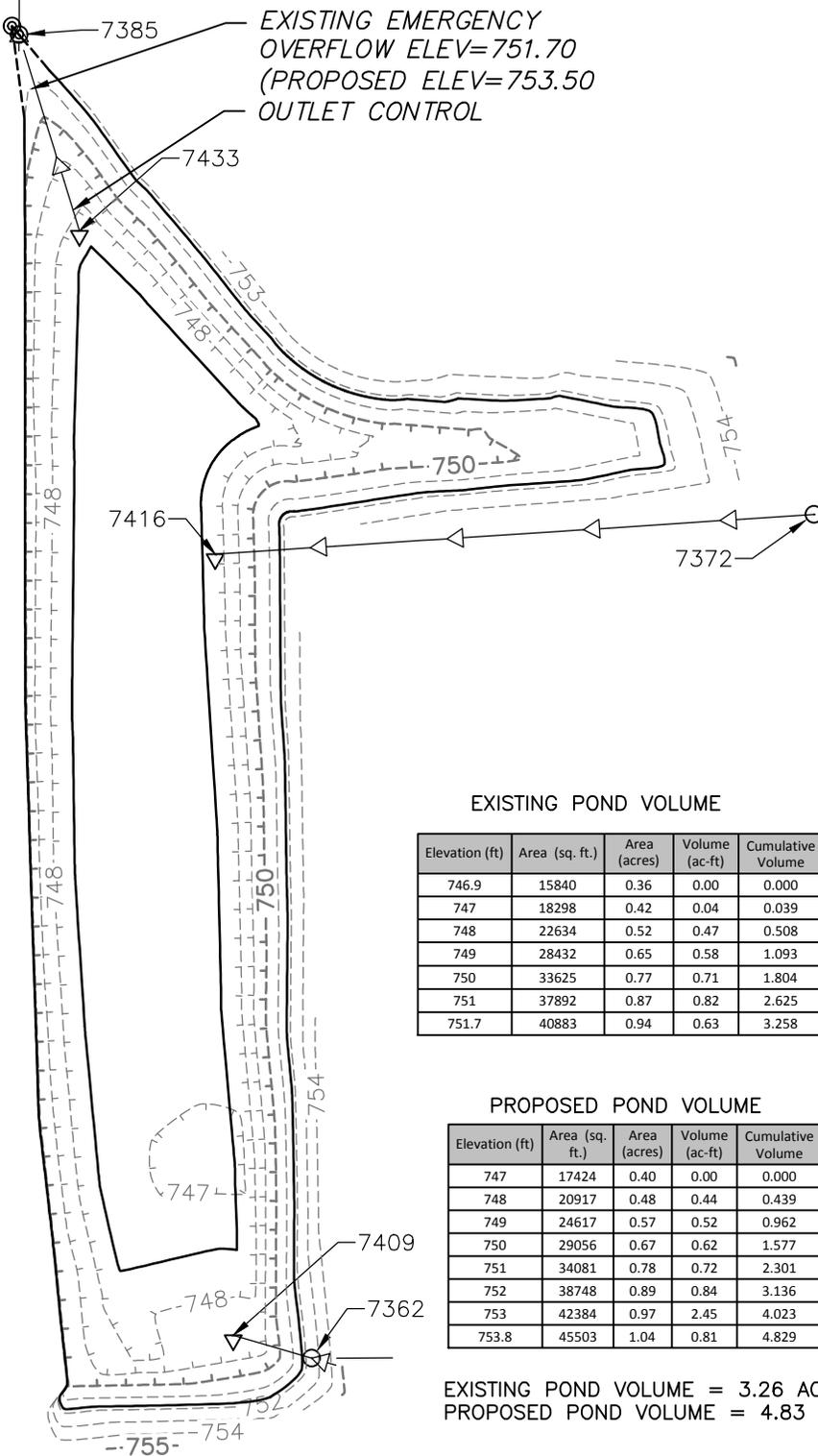
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EXISTING POND VOLUME

Elevation (ft)	Area (sq. ft.)	Area (acres)	Volume (ac-ft)	Cumulative Volume
746.9	15840	0.36	0.00	0.000
747	18298	0.42	0.04	0.039
748	22634	0.52	0.47	0.508
749	28432	0.65	0.58	1.093
750	33625	0.77	0.71	1.804
751	37892	0.87	0.82	2.625
751.7	40883	0.94	0.63	3.258

PROPOSED POND VOLUME

Elevation (ft)	Area (sq. ft.)	Area (acres)	Volume (ac-ft)	Cumulative Volume
747	17424	0.40	0.00	0.000
748	20917	0.48	0.44	0.439
749	24617	0.57	0.52	0.962
750	29056	0.67	0.62	1.577
751	34081	0.78	0.72	2.301
752	38748	0.89	0.84	3.136
753	42384	0.97	2.45	4.023
753.8	45503	1.04	0.81	4.829

EXISTING POND VOLUME = 3.26 AC. FT.
 PROPOSED POND VOLUME = 4.83 AC. FT.

- 7362 STORM CATCH BASIN
ENGINEERING PLAN ID=H11
RIM=754.03
INV=747.58 NE 12" RCP
- 7409 FLARED END SECTION
ENGINEERING PLAN ID=F12
INV=747.00 SW 12" RCP
- 7416 FLARED END SECTION
ENGINEERING PLAN ID=F1
INV=747.01 S 30" RCP
- 7372 STORM CATCH BASIN
ENGINEERING PLAN ID=F2
F/L=754.47
INV=749.47 N 30" RCP
- 7385 STORM MANHOLE (RESTRICTOR)
ENGINEERING PLAN ID=F6
RIM=751.79
INV=746.64 SW 18" RCP
INV=746.29 E 24" RCP
ORFFICE_UPPER=749.69 6"
ORFFICE_LOWER=746.29 6"
- 7433 FLARED END SECTION
ENGINEERING PLAN ID=F5
INV=746.85 NE 18" RCP

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STONEBRIDGE WOODS
 POND F

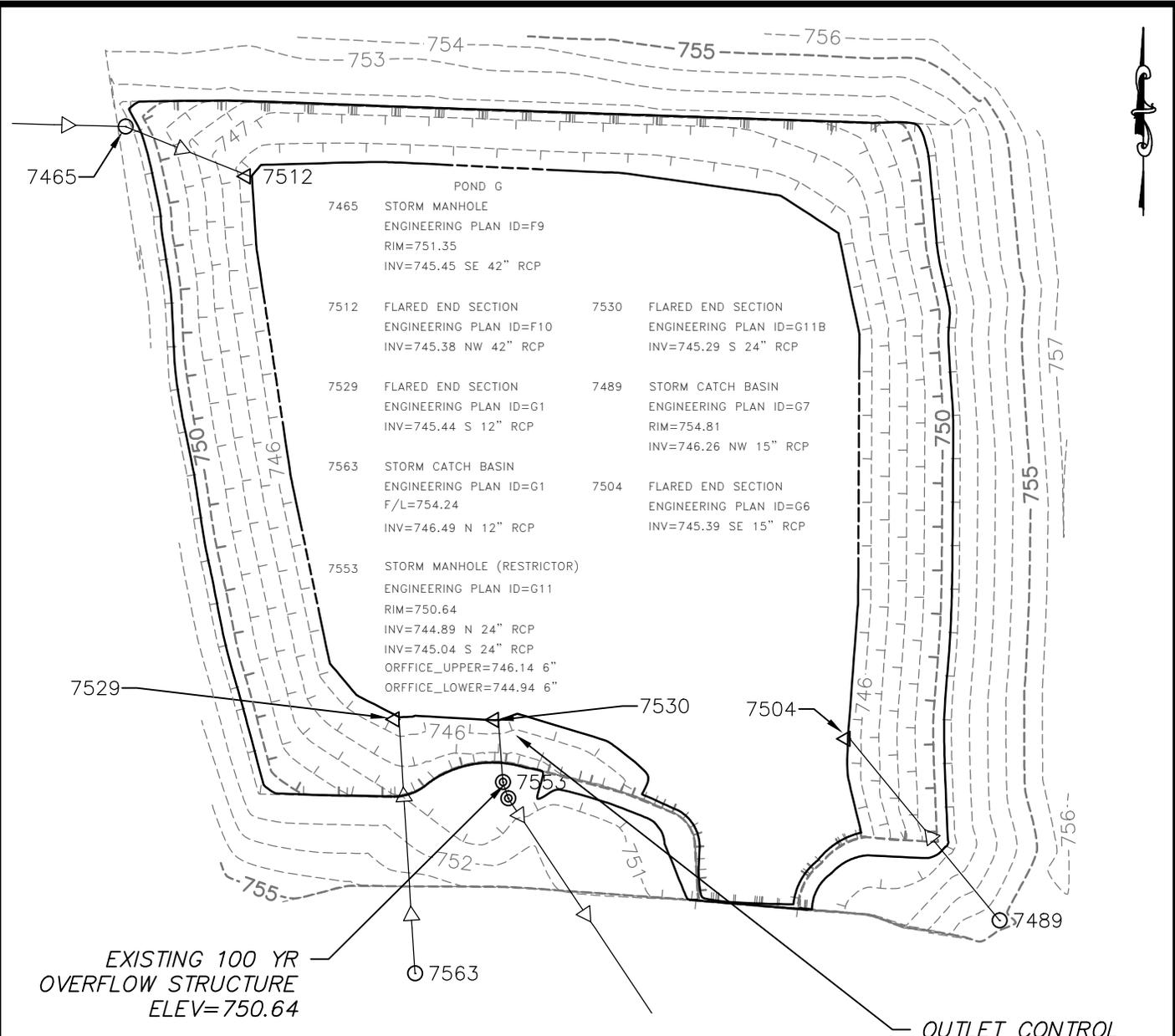
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EXISTING 100 YR
 OVERFLOW STRUCTURE
 ELEV=750.64

OUTLET CONTROL

EXISTING POND VOLUME

Elevation (ft)	Area (sq. ft.)	Area (acres)	Volume (ac-ft)	Cumulative Volume
745.3	17738	0.41	0.00	0.000
746	19520	0.45	0.30	0.299
747	22123	0.51	0.48	0.777
748	24045	0.55	0.53	1.307
749	25552	0.59	0.57	1.876
750	26995	0.62	0.60	2.479
750.64	28173	0.65	0.41	2.884

PROPOSED POND VOLUME

Elevation (ft)	Area (sq. ft.)	Area (acres)	Volume (ac-ft)	Cumulative Volume
745.6	17662	0.41	0.00	0.000
746	18465	0.42	0.17	0.166
747	20522	0.47	0.45	0.613
748	22722	0.52	0.50	1.109
749	24438	0.56	0.54	1.651
750	26258	0.60	0.58	2.232
751	28100	0.65	0.62	2.856
751.6	29218	0.67	0.39	3.251

EXISTING POND VOLUME = 2.84 AC. FT.
 PROPOSED POND VOLUME = 3.25 AC. FT.

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STONEBRIDGE WOODS
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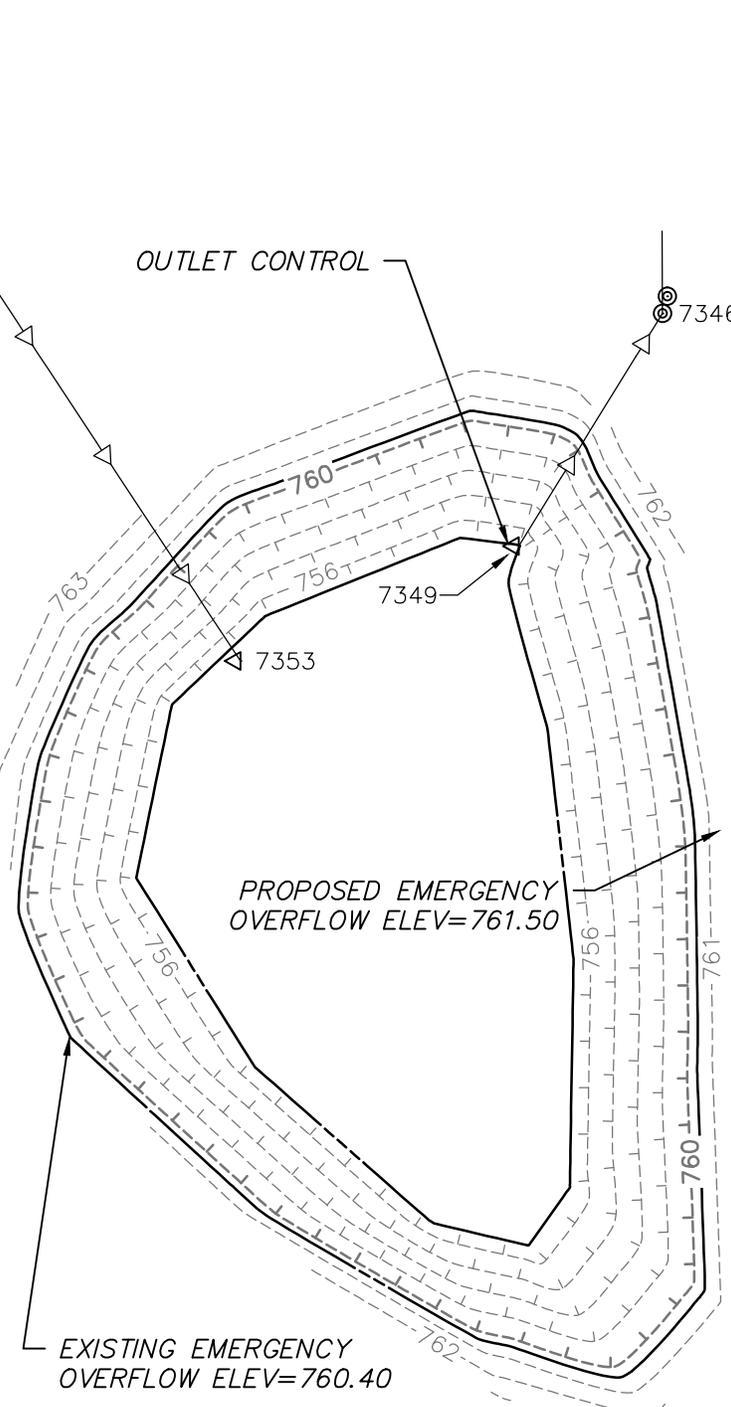
- POND H
- 7329 STORM MANHOLE
ENGINEERING PLAN ID=H4A
RIM=766.71
INV=761.91 SE 12" RCP
 - 7353 FLARED END SECTION
ENGINEERING PLAN ID=H3
INV=755.35 NW 12" RCP
 - 7349 FLARED END SECTION
ENGINEERING PLAN ID=H6
INV=755.26 NE 12" RCP
 - 7346 STORM MANHOLE (RESTRICTOR)
ENGINEERING PLAN ID=H7
RIM=761.16
INV=754.86 N/SW 12" RCP
ORFFICE_UPPER=756.16 4"
ORFFICE_LOWER=754.86 6"

EXISTING POND VOLUME

Elevation (ft)	Area (sq. ft.)	Area (acres)	Volume (ac-ft)	Cumulative Volume	
755.3	10004	0.23	0.00	0.000	
756	11531	0.26	0.17	0.173	
757	13811	0.32	0.29	0.463	
758	16204	0.37	0.34	0.808	
759	18714	0.43	0.40	1.208	
759.1	18975	0.44	0.04	1.251	HWL
760	21342	0.49	0.42	1.667	
760.4	22427	0.51	0.20	1.868	WEIR

PROPOSED POND VOLUME

Elevation (ft)	Area (sq. ft.)	Area (acres)	Volume (ac-ft)	Cumulative Volume	
755.5	10525	0.24	0.00	0.000	
756	11383	0.26	0.13	0.126	
757	13169	0.30	0.28	0.407	
758	15047	0.35	0.32	0.731	
759.1	17217	0.40	0.41	1.138	HWL
761.5	22464	0.52	1.09	2.228	WEIR



EXISTING EMERGENCY OVERFLOW ELEV=760.40

EXISTING POND VOLUME = 1.25 AC. FT.
 PROPOSED POND VOLUME = 1.14 AC. FT.

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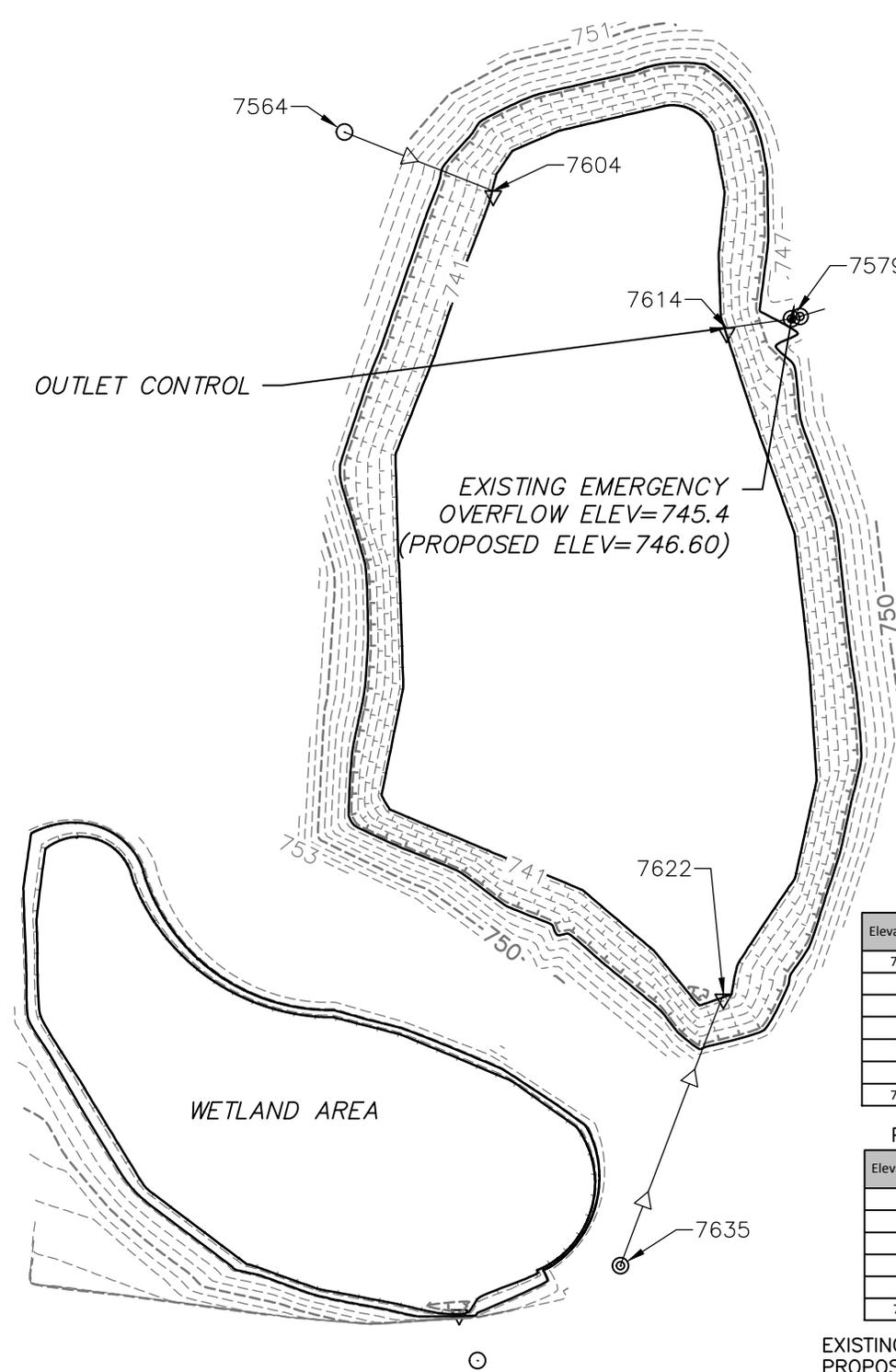
Illinois Professional Design Firm # 184-001322



323 Alana Drive,
 New Lenox, Illinois 60451
 t. 815.462.9324 f. 815.462.9328
 www.secgroupinc.com

STONEBRIDGE WOODS
 POND H

DATE:
6/20/2012
 HORIZ. SCALE:
NOT TO SCALE
 DWN. BY: DSN. BY: CHK. BY:
BDE N/A MD
 PROJECT NO.
86120056
 SHEET NO.
1 OF 1



- POND J
- 7564 STORM CATCH BASIN
ENGINEERING PLAN ID=J2
F/L=749.28
INV=741.68 S 42" RCP
 - 7604 FLARED END SECTION
ENGINEERING PLAN ID=J1
INV=740.75 NE 42" RCP
 - 7614 FLARED END SECTION
ENGINEERING PLAN ID=J25
INV=740.57 S 15" RCP
 - 7579 STORM MANHOLE
ENGINEERING PLAN ID=J26
RIM=745.95
INV=740.01 N 15" RCP
INV=740.05 S 18" RCP
ORFFICE_UPPER=741.95 8"
ORFFICE_LOWER=740.01 8"
 - 7635 STORM MANHOLE
ENGINEERING PLAN ID=J21A
RIM=752.24
INV=742.04 E 30X19" RCP
 - 7622 FLARED END SECTION
ENGINEERING PLAN ID=J20
INV=740.56 W 30X19" RCP

EXISTING POND VOLUME

Elevation (ft)	Area (sq. ft.)	Area (acres)	Volume (ac-ft)	Cumulative Volume
740.6	59683	1.37	0.00	0.000
741	61452	1.41	0.56	0.556
742	65937	1.51	1.46	2.018
743	70507	1.62	1.57	3.584
744	75157	1.73	1.67	5.256
745	79891	1.83	1.78	7.035
745.4	81921	1.88	0.74	7.778

PROPOSED POND VOLUME

Elevation (ft)	Area (sq. ft.)	Area (acres)	Volume (ac-ft)	Cumulative Volume
741	59599	1.37	0.00	0.000
742	63817	1.47	1.42	1.416
743	68229	1.57	1.52	2.932
744	72838	1.67	1.62	4.551
745	77597	1.78	1.73	6.277
746.6	86157	1.98	3.01	9.283

EXISTING POND VOLUME = 7.78 AC. FT.
 PROPOSED POND VOLUME = 9.28 AC. FT.

#	DATE	BY
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Illinois Professional Design Firm # 184-001322



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STONEBRIDGE WOODS
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BDE N/A MD
 PROJECT NO.
86120056
 SHEET NO.
1 OF 1



EXHIBIT B Stonebridge Woods Parcel Identification

Lot Number	Permanent Index Number (PIN)	Property Owner	Property Address	Property Street	Property City	Property State	Property Zip	Owner Address	Owner Street	Owner City	Owner State	Owner Zip
1	16-05-22-206-013-0000	MARQUETTE BANK						10000	W 151ST ST	ORLAND PARK	IL	60462
2	16-05-22-206-014-0000	MARQUETTE BANK						10000	W 151ST ST	ORLAND PARK	IL	60462
3	16-05-22-206-015-0000	MARQUETTE BANK						10000	W 151ST ST	ORLAND PARK	IL	60462
4	16-05-22-206-016-0000	MYERS NICHOLAS MELISSA						14626	S ARBORETUM DR	HOMER GLEN	IL	60491
5	16-05-22-206-017-0000	CHENTNIK TODD J YVONNE R	13884	W WILDWOOD LN	HOMER GLEN	IL	60491	13884	W WILDWOOD LN	HOMER GLEN	IL	60491
6	16-05-22-206-018-0000	FIRSTMERIT BANK NA						14701	S LAGRANGE RD	ORLAND PARK	IL	60462
7	16-05-22-206-019-0000	CLARKE IVAN TR 9034	13893	W WILDWOOD LN	HOMER GLEN	IL	60491	13893	W WILDWOOD LN	HOMER GLEN	IL	60491
8	16-05-22-206-020-0000	HOMER OLHA FARM WAY LLC						201	S HOUGH ST	BARRINGTON	IL	60010
9	16-05-22-206-021-0000	HOMER OLHA FARM WAY LLC						201	S HOUGH ST	BARRINGTON	IL	60010
10	16-05-22-206-022-0000	HOMER OLHA FARM WAY LLC						201	S HOUGH ST	BARRINGTON	IL	60010
11	16-05-22-206-023-0000	RHEINGANS ALEX MADONNA	16195	S OHLA FARM WAY	HOMER GLEN	IL	60491	16195	S OHLA FARM WAY	HOMER GLEN	IL	60491
12	16-05-22-206-024-0000	KEVISH RONALD R DANA D	16211	S OHLA FARM WAY	HOMER GLEN	IL	60491	16211	S OHLA FARM WAY	HOMER GLEN	IL	60491
13	16-05-22-206-025-0000	STONEBRIDGE WOODS DEVEL LLC						13907	W 159TH ST	HOMER GLEN	IL	60491
14	16-05-22-206-026-0000	MC LAUGHLIN JANE TRUST						9044	S RICHMOND AVE	EVEGREEN PARK	IL	60805
15	16-05-22-206-027-0000	HOMER OLHA FARM WAY LLC						201	S HOUGH ST	BARRINGTON	IL	60010
16	16-05-22-206-028-0000	HOMER OLHA FARM WAY LLC						201	S HOUGH ST	BARRINGTON	IL	60010
17	16-05-22-206-029-0000	AL-QARAIEN AMMAR ALHOMSI OLLA	13894	W STONEBRIDGE WOODS CROSSING	HOMER GLEN	IL	60491	13894	W STONEBRIDGE WOODS CROSSING	HOMER GLEN	IL	60491
18	16-05-22-206-030-0000	HOMER OLHA FARM WAY LLC						201	S HOUGH ST	BARRINGTON	IL	60010
19	16-05-22-206-031-0000	OLD NATIONAL BANK						625	PLAINFIELD RD STE 424	WILLOWBROOK	IL	60527
20	16-05-22-206-032-0000	FIRSTMERIT BANK NA						14701	S LAGRANGE RD	ORLAND PARK	IL	60462
21	16-05-22-206-033-0000	HOMER OLHA FARM WAY LLC						201	S HOUGH ST	BARRINGTON	IL	60010
22	16-05-22-206-034-0000	MASLANKA RICHARD AGATHA						14515	S SADDLE BROOK LN	HOMER GLEN	IL	60491
23	16-05-22-206-035-0000	STONEBRIDGE WOODS DEVEL LLC	13816	W STONEBRIDGE WOODS CROSSING	HOMER GLEN	IL	60491	13907	W 159TH ST	HOMER GLEN	IL	60491
24	16-05-22-206-036-0000	SAGGART CONSTRUCTION INC						13893	W WILDWOOD LN	HOMER GLEN	IL	60491
25	16-05-22-206-037-0000	FIRSTMERIT BANK NA						14701	S LAGRANGE RD	ORLAND PARK	IL	60462
26	16-05-22-206-038-0000	HOMER OLHA FARM WAY LLC						201	S HOUGH ST	BARRINGTON	IL	60010
27	16-05-22-206-039-0000	WOLNY MARK KATARZYNA M						17032	HEDGEWOOD CT	LOCKPORT	IL	60441
28	16-05-22-206-040-0000	PAGGIE MARK						13738	STONEBRIDGE WOODS XING	HOMER GLEN	IL	60491
29	16-05-22-206-041-0000	HOMER OLHA FARM WAY LLC						201	S HOUGH ST	BARRINGTON	IL	60010
30	16-05-22-206-042-0000	HOMER OLHA FARM WAY LLC						201	S HOUGH ST	BARRINGTON	IL	60010
31	16-05-22-206-043-0000	OLD NATIONAL BANK						625	PLAINFIELD RD STE 424	WILLOWBROOK	IL	60527
32	16-05-22-206-044-0000	FIRSTMERIT BANK NA						14701	S LAGRANGE RD	ORLAND PARK	IL	60462
33	16-05-22-206-045-0000	SIKON MARIA HYRCZYK STANISLAW	13662	STONEBRIDGE WOODS CROSSING	HOMER GLEN	IL	60491	13662	STONEBRIDGE WOODS XING	HOMER GLEN	IL	60491
34	16-05-22-206-047-0000	STONEBRIDGE WOODS DEVEL LLC						13907	W 159TH ST	HOMER GLEN	IL	60491
35	16-05-22-209-002-0000	STONEBRIDGE WOODS DEVEL LLC						13907	W 159TH ST	HOMER GLEN	IL	60491
36	16-05-22-209-001-0000	STONEBRIDGE WOODS DEVEL LLC						13907	W 159TH ST	HOMER GLEN	IL	60491
37	16-05-22-209-003-0000	CRITSER JERRY J TRUST	16249	LAKWOOD PATH	HOMER GLEN	IL	60491	411	N HICKORTY ST	JOLIET	IL	60435
38	16-05-22-209-004-0000	RAMSEY CHRISTOPHER S LINDA C						15166	S MACKENZIE DR	HOMER GLEN	IL	60491
39	16-05-22-209-005-0000	STONEBRIDGE WOODS DEVEL LLC						13907	W 159TH ST	HOMER GLEN	IL	60491
40	16-05-22-402-014-0000	APPS DAVID R MICHELE M	16301	LAKWOOD PATH	HOMER GLEN	IL	60491	10470	W 164TH PL	ORLAND PARK	IL	60467
41	16-05-22-402-015-0000	STONEBRIDGE WOODS DEVEL LLC						13907	W 159TH ST	HOMER GLEN	IL	60491
42	16-05-22-402-016-0000	DUDAK SEAN D JENNIFER						11650	SAPPHIRE CT	FRANKFORT	IL	60423
43	16-05-22-402-017-0000	WEDEMEIER STEVEN TRUST	16371	LAKWOOD PATH	HOMER GLEN	IL	60491	16371	LAKWOOD PATH	HOMER GLEN	IL	60491
44	16-05-22-402-013-0000	HOLLAND RAYMOND J ANGELA	16360	LAKWOOD PATH	HOMER GLEN	IL	60491	16360	LAKWOOD PATH	HOMER GLEN	IL	60491
45	16-05-22-402-012-0000	MOORE MICHAEL MICHELLE						16340	LAKWOOD PATH	HOMER GLEN	IL	60491
46	16-05-22-402-011-0000	STONEBRIDGE WOODS DEVEL LLC						13907	W 159TH ST	HOMER GLEN	IL	60491
47	16-05-22-208-008-0000	STONEBRIDGE WOODS DEVEL LLC						13907	W 159TH ST	HOMER GLEN	IL	60491
48	16-05-22-208-007-0000	HOMER OLHA FARM WAY LLC						201	S HOUGH ST	BARRINGTON	IL	60010
49	16-05-22-208-006-0000	STONEBRIDGE WOODS DEVEL LLC						13907	W 159TH ST	HOMER GLEN	IL	60491
50	16-05-22-208-005-0000	STONEBRIDGE WOODS DEVEL LLC						13907	W 159TH ST	HOMER GLEN	IL	60491

Notes:

1. Lots serving single family homes are numbered 1 through 72. Outlots serving basins and common areas are numbered 73 through 81. Lots serving townhomes are numbered T1 through T20.
2. Subdivision plat recorded on 10/12/2005
3. Information based upon 2011 property tax records
4. Will County's current available documentation does not reflect recent property activity since 2011. Current information will be available as provided by Will County.



EXHIBIT B Stonebridge Woods Parcel Identification

Lot Number	Permanent Index Number (PIN)	Property Owner	Property Address	Property Street	Property City	Property State	Property Zip	Owner Address	Owner Street	Owner City	Owner State	Owner Zip
51	16-05-22-208-001-0000	STONEBRIDGE WOODS DEVEL LLC						13907	W 159TH ST	HOMER GLEN	IL	60491
52	16-05-22-208-002-0000	STONEBRIDGE WOODS DEVEL LLC						13907	W 159TH ST	HOMER GLEN	IL	60491
53	16-05-22-208-003-0000	STONEBRIDGE WOODS DEVEL LLC	16265	S PINE HILL DR	HOMER GLEN	IL	60491	13907	W 159TH ST	HOMER GLEN	IL	60491
54	16-05-22-208-004-0000	HOMER OLHA FARM WAY LLC						201	S HOUGH ST	BARRINGTON	IL	60010
55	16-05-22-402-008-0000	MIKOS STEVEN KATHY						13439	OAKWOOD CT	HOMER GLEN	IL	60491
56	16-05-22-402-009-0000	ZABINSKI ARTHUR A BETH ANN	16345	PINE HILL DR	HOMER GLEN	IL	60491	16345	PINE HILL DR	HOMER GLEN	IL	60491
57	16-05-22-401-007-0000	BRIDGEVIEW BANK & TRUST TR 11746			HOMER GLEN	IL	60491	15552	HAWK HAVEN	HOMER GLEN	IL	60491
58	16-05-22-401-006-0000	WOJCIAK ANDREW	16360	S PINE HILL DR	HOMER GLEN	IL	60194	16416	KENSINGTN DR	HOMER GLEN	IL	60491
59	16-05-22-401-005-0000	OHLA MILDREDT I TRUST		PINE HILL DR & OLHA FARM	HOMER GLEN	IL	60491	16330	PINE HILL DR	HOMER GLEN	IL	60491
60	16-05-22-207-005-0000	FISCHER FRANK M ANN M						4406	N PAULINA ST 3N	CHICAGO	IL	60640
61	16-05-22-207-004-0000	STONEBRIDGE WOODS DEVEL LLC						13907	W 159TH ST	HOMER GLEN	IL	60491
62	16-05-22-207-003-0000	MILCAREK MICHAEL M ANNA						16230	OLHA FARM WAY	HOMER GLEN	IL	60491
63	16-05-22-207-002-0000	ADAIR KENNETH D ANNA-MARIA						16214	S OLHA FARM WAY	HOMER GLEN	IL	60491
64	16-05-22-207-001-0000	LITSAS VASILIOS SUSAN						4705	WILLOW SPRINGS RD STE 108	LA GRANGE	IL	60525
65	16-05-22-203-003-0000	HUPAC THEODORE REBECCA						13990	S STONEBRIDGE DR	HOMER GLEN	IL	60491
66	16-05-22-203-010-0000	WILSON CLAUDIA H TRUST						17432	88TH AVE	TINLEY PARK	IL	60487
67	16-05-22-203-009-0000	STONEBRIDGE WOODS DEVEL LLC	13950	W STONEBRIDGE DR	HOMER GLEN	IL	60491	13907	W 159TH ST	HOMER GLEN	IL	60491
68	16-05-22-203-008-0000	HOMER OLHA FARM WAY LLC						201	S HOUGH ST	BARRINGTON	IL	60010
69	16-05-22-203-007-0000	DIAB HASSAN M NADA						16136	STONEBRIDGE DR	HOMER GLEN	IL	60491
70	16-05-22-203-006-0000	HOMER OLHA FARM WAY LLC						201	S HOUGH ST	BARRINGTON	IL	60010
71	16-05-22-203-005-0000	HOMER OLHA FARM WAY LLC						201	S HOUGH ST	BARRINGTON	IL	60010
72	16-05-22-203-004-0000	KESSEL ANTHONY SHERRI BEDSTER						16094	S STONEBRIDGE DR	HOMER GLEN	IL	60491
73	16-05-22-206-001-0000	STONEBRIDGE WOODS HMOWNRS ASSC						13907	W 159TH ST	HOMER GLEN	IL	60491
74	16-05-22-206-046-0000	STONEBRIDGE WOODS HMOWNRS ASSC						13907	W 159TH ST	HOMER GLEN	IL	60491
75	16-05-22-210-001-0000	STONEBRIDGE WOODS HMOWNRS ASSC						13907	W 159TH ST	HOMER GLEN	IL	60491
76	16-05-22-402-018-0000	STONEBRIDGE WOODS HMOWNRS ASSC						13907	W 159TH ST	HOMER GLEN	IL	60491
77	16-05-22-402-010-0000	STONEBRIDGE WOODS HMOWNRS ASSC						13907	W 159TH ST	HOMER GLEN	IL	60491
78	16-05-22-203-001-0000	VILLAGE OF HOMER GLEN						14933	FOUNDERS CROSSING	HOMER GLEN	IL	60491
79	16-05-22-203-002-0000	STONEBRIDGE WOODS HMOWNRS ASSC						13907	W 159TH ST	HOMER GLEN	IL	60491
80	16-05-22-201-001-0000	STONEBRIDGE WOODS DEVEL LLC						13907	W 159TH ST	HOMER GLEN	IL	60491
81	16-05-22-202-001-0000	STONEBRIDGE WOODS DEVEL LLC						13907	W 159TH ST	HOMER GLEN	IL	60491
T1	16-05-22-206-002-0000	STONEBRIDGE WOODS DEVEL LLC						13907	W 159TH ST	HOMER GLEN	IL	60491
T2	16-05-22-206-003-0000	STONEBRIDGE WOODS DEVEL LLC						13907	W 159TH ST	HOMER GLEN	IL	60491
T3	16-05-22-206-080-0000	STONEBRIDGE WOODS DEVEL LLC						13907	W 159TH ST	HOMER GLEN	IL	60491
T3	16-05-22-206-081-0000	PRIMOZIC JERRY						16039	S PENNY LN	HOMER GLEN	IL	60491
T3	16-05-22-206-082-0000	FALDUTO DONALD J KATHLEEN T						16033	S PENNY LN	HOMER GLEN	IL	60491
T4	16-05-22-206-064-0000	HOLUB KENNETH J DENISE M						16055	PENNY LN	HOMER GLEN	IL	60491
T4	16-05-22-206-065-0000	HENNIGAN THOMAS L DIANE B TR						16063	PENNY LN	HOMER GLEN	IL	60491
T4	16-05-22-206-066-0000	COLBECK WILLIAM ELEANOR TR 1-8262	16067	PENNY LN	HOMER GLEN	IL	60491	16067	PENNY LN	HOMER GLEN	IL	60491
T4	16-05-22-206-085-0000	STONEBRIDGE WOODS DEVEL LLC						13907	W 159TH ST	HOMER GLEN	IL	60491
T4	16-05-22-206-086-0000	CAHILL TRUST						16049	PENNY LN	HOMER GLEN	IL	60491
T5	16-05-22-206-055-0000	DE MARCO CARL JEAN						16079	S PENNY LN	HOMER GLEN	IL	60491
T5	16-05-22-206-056-0000	DALLEMOLLE KW QUAL PERS RES TR						16085	PENNY LN	HOMER GLEN	IL	60491
T5	16-05-22-206-074-0000	BREEN MICHAEL P MARY T	16107	S PENNY LN	HOMER GLEN	IL	60491	16107	PENNY LN	HOMER GLEN	IL	60491
T5	16-05-22-206-075-0000	HRADEK LVG TRUST	16095	S PENNY LN	HOMER GLEN	IL	60491	16095	S PENNY LN	HOMER GLEN	IL	60491
T5	16-05-22-206-087-0000	STONEBRIDGE WOODS DEVEL LLC						13907	W 159TH ST	HOMER GLEN	IL	60491

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EXHIBIT B Stonebridge Woods Parcel Identification

Lot Number	Permanent Index Number (PIN)	Property Owner	Property Address	Property Street	Property City	Property State	Property Zip	Owner Address	Owner Street	Owner City	Owner State	Owner Zip
T5	16-05-22-206-088-0000	KONONOV VITALI KONONOVA LARISA						16101	PENNY LN	HOMER GLEN	IL	60491
T6	16-05-22-206-069-0000	STONEBRIDGE WOODS DEVEL LLC						13907	W 159TH ST	HOMER GLEN	IL	60491
T6	16-05-22-206-070-0000	PETKEWICZ THOMAS J REV TRUST PETKEWICZ SANDRA REV TRUST	161117	S PENNY LN	HOMER GLEN	IL	60491	16117	PENNY LN	HOMER GLEN	IL	60491
T6	16-05-22-206-071-0000	MARCUM WILLIAM						16121	PENNY LN	HOMER GLEN	IL	60491
T6	16-05-22-206-072-0000	WOJCIK THOMAS MARY KAY	16125	S ALISSA CT	HOMER GLEN	IL	60491	16125	S ALISSA CT	HOMER GLEN	IL	60491
T7	16-05-22-206-060-0000	STONEBRIDGE WOODS DEVEL LLC						13907	W 159TH ST	HOMER GLEN	IL	60491
T7	16-05-22-206-061-0000	LAIRD RODERICK C REV TR						16139	S ALISSA CT	HOMER GLEN	IL	60491
T7	16-05-22-206-062-0000	OLHA DOROTHY DOYLE LINDA						16145	S ALISSA CT	HOMER GLEN	IL	60491
T8	16-05-22-206-076-0000	STONEBRIDGE WOODS DEVEL LLC						13907	W 159TH ST	HOMER GLEN	IL	60491
T8	16-05-22-206-077-0000	BENEDIA ANTOINETTE DEC REV TR	16157	S ALISSA CT	HOMER GLEN	IL	60491	16157	S ALISSA CT	HOMER GLEN	IL	60491
T8	16-05-22-206-078-0000	CHIBE MARK E	16163	S ALISSA CT	HOMER GLEN	IL	60491	16163	S ALISSA CT	HOMER GLEN	IL	60491
T8	16-05-22-206-079-0000	SCHAULTS BRUCE CHRISTINE						16169	S ALISSA CT	HOMER GLEN	IL	60491
T9	16-05-22-206-068-0000	TOMIC JELENA	16178	S ALISSA CT	HOMER GLEN	IL	60491	16178	S ALISSA CT	HOMER GLEN	IL	60491
T9	16-05-22-206-083-0000	STONEBRIDGE WOODS DEVEL LLC						13907	W 159TH ST	HOMER GLEN	IL	60491
T9	16-05-22-206-084-0000	POLKE CHARLES LEONA TR 5227						16166	S ALISSA CT	HOMER GLEN	IL	60491
T10	16-05-22-206-048-0000	STONEBRIDGE WOODS DEVEL LLC						13907	W 159TH ST	HOMER GLEN	IL	60491
T10	16-05-22-206-049-0000	DEPPERT PATRICIA TRUST	16132	S ALISSA CT	HOMER GLEN	IL	60491	16132	ALISSA CT	HOMER GLEN	IL	60491
T10	16-05-22-206-050-0000	PAVESIC DENNIS 2003 REV LVG TR PAVESIC BEVERLY 2003 RV LVG TR						16136	S ALISSA CT	HOMER GLEN	IL	60491
T10	16-05-22-206-051-0000	STONEBRIDGE WOODS DEVEL LLC						13907	W 159TH ST	HOMER GLEN	IL	60491
T10	16-05-22-206-052-0000	PICARD CHERYL						16150	S ALISSA CT	HOMER GLEN	IL	60491
T10	16-05-22-206-053-0000	BENKO MARY REV DEC TRUST						16156	S ALISSA CT	HOMER GLEN	IL	60491
T11	16-05-22-206-057-0000	STONEBRIDGE WOODS DEVEL LLC						13907	W 159TH ST	HOMER GLEN	IL	60491
T11	16-05-22-206-058-0000	WUNDERLICH DONALD NANCY	13885	W BREANNE LN	HOMER GLEN	IL	60491	13885	W BREANNE LN	HOMER GLEN	IL	60491
T11	16-05-22-206-059-0000	KALLEY NANCY L	16124	S ALISSA CT	HOMER GLEN	IL	60491	16124	S ALISSA CT	HOMER GLEN	IL	60491
T12	16-05-22-204-003-0000	STONEBRIDGE WOODS DEVEL LLC						13907	W 159TH ST	HOMER GLEN	IL	60491
T13	16-05-22-204-008-0000	PARZATKA ROBERT J VERA R TR	16071	S STONEBRIDGE DR	HOMER GLEN	IL	60491	16071	S STONEBRIDGE DR	HOMER GLEN	IL	60491
T13	16-05-22-204-009-0000	STONEBRIDGE WOODS DEVEL LLC						13907	W 159TH ST	HOMER GLEN	IL	60491
T13	16-05-22-204-010-0000	PEASE RONALD						16065	S STONEBRIDGE DR	HOMER GLEN	IL	60491
T14	16-05-22-204-006-0000	POCHOPIEN DIANE	13925	S PENNY LN	HOMER GLEN	IL	60491	13925	S PENNY LN	HOMER GLEN	IL	60491
T14	16-05-22-204-011-0000	STONEBRIDGE WOODS DEVEL LLC						13907	W 159TH ST	HOMER GLEN	IL	60491
T14	16-05-22-204-012-0000	LAGEOSE PHYLLIS S						16055	S STONEBRIDGE DR	HOMER GLEN	IL	60491
T15	16-05-22-204-004-0000	STONEBRIDGE WOODS DEVEL LLC						13907	W 159TH ST	HOMER GLEN	IL	60491
T16	16-05-22-205-007-0000	DAVIES PAUL R TRUST DAVIES MARILYN M TRUST						13873	PENNY LN	HOMER GLEN	IL	60491
T16	16-05-22-205-012-0000	GEORGIEVSKI JORDAN TRUST						13885	PENNY LN	HOMER GLEN	IL	60491
T16	16-05-22-205-013-0000	STONEBRIDGE WOODS DEVEL LLC						13907	W 159TH ST	HOMER GLEN	IL	60491
T16	16-05-22-205-014-0000	LUPARELLO MATTHEW JR						13857	W PENNY LN	HOMER GLEN	IL	60491
T17	16-05-22-205-004-0000	STONEBRIDGE WOODS DEVEL LLC						13907	W 159TH ST	HOMER GLEN	IL	60491
T18	16-05-22-205-008-0000	STONEBRIDGE WOODS DEVEL LLC						13907	W 159TH ST	HOMER GLEN	IL	60491
T18	16-05-22-205-009-0000	NATIVO PETER J	16088	S PENNY LN	HOMER GLEN	IL	60491	16088	S PENNY LN	HOMER GLEN	IL	60491
T18	16-05-22-205-010-0000	JOHNSON SEAN RESTAINO LESLIE	16082	S PENNY LN	HOMER GLEN	IL	60491	16082	S PENNY LN	HOMER GLEN	IL	60491
T19	16-05-22-205-003-0000	STONEBRIDGE WOODS DEVEL LLC						13907	W 159TH ST	HOMER GLEN	IL	60491
T20	16-05-22-205-002-0000	STONEBRIDGE WOODS DEVEL LLC						13907	W 159TH ST	HOMER GLEN	IL	60491

Notes:

1. Lots serving single family homes are numbered 1 through 72. Outlots serving basins and common areas are numbered 73 through 81. Lots serving towghomes are numbered T1 through T20.
2. Subdivision plat recorded on 10/12/2005
3. Information based upon 2011 property tax records
4. Will County's current available documentation does not reflect recent property activity since 2011. Current information will be available as provided by Will County.



EXHIBIT C Stonebridge Woods - Engineer's Opinion of Probable Cost (July, 2012)

ROADWAY NAME		ALISSA COURT	BREANNE LANE	FRONTAGE ROAD	LAKWOOD PATH	OLHA FARM WAY	PENNY LANE	PINE HILL DRIVE	STONEBRIDGE DRIVE	STONEBRIDGE WOODS CROSSING	WILDWOOD LANE				
ROADWAY LIMITS		PENNY LANE TO END	STONEBRIDGE DRIVE TO ALISSA COURT	STONEBRIDGE DRIVE TO END	STONEBRIDGE WOODS CROSSING TO END	STONEBRIDGE DRIVE TO PINE HILL DRIVE / STONEBRIDGE WOODS CROSSING	STONEBRIDGE DRIVE TO ALISSA COURT	OLHA FARM WAY TO END	159TH STREET TO END	OLHA FARM WAY TO PARKER ROAD	STONEBRIDGE DRIVE TO END	VARIOUS AREAS (PUBLIC AND PRIVATE LOTS)	TOTAL	UNIT COST	ESTIMATED COST
LENGTH (FOOT)		780	370	400	975	500	1,280	1,060	1,900	2,400	220		9,885		
WIDTH (FOOT)		28	28	28	28	28	28	28	28	28	28				
EXTRA AREA (SQ YD)		875			875				1,300	733	875		4,658		
AREA (SQ YD)		3,302	1,151	1,245	3,908	1,556	3,982	3,298	7,211	8,200	1,560		35,412		
BITUMINOUS MATERIALS (PRIME COAT)	GAL	330	115	125	391	156	398	330	721	820	156		3,542	\$2.00	\$7,084.00
AGGREGATE (PRIME COAT)	TON	7	2	3	8	3	8	7	14	16	3		71	\$20.00	\$1,420.00
HOT-MIX ASPHALT SURFACE COURSE, MIX 'C', N50	TON	324	129	105	328	131	446	277	707	689	153		3,289	\$70.00	\$230,230.00
HMA BINDER COURSE REMOVAL AND REPLACEMENT (2.5")	SQ YD	67	19	93	8	2	356	119	568	72	6		1,310	\$12.00	\$15,720.00
AGGREGATE BASE COURSE REMOVAL AND REPLACEMENT, TYPE B (12")	SQ YD	67	19	93	8	2	356	119	568	72	6		1,310	\$18.00	\$23,580.00
HMA SURFACE REMOVAL - BUTT JOINT	SQ YD							31	72	44			147	\$15.00	\$2,205.00
HMA SURFACE REMOVAL, VARIABLE DEPTH (0" TO 1.75")	SQ YD	23					54		31		23		131	\$2.50	\$327.50
COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT	FT	55	25	100	120	20	85	75	175	100			755	\$30.00	\$22,650.00
PORTAND CEMENT CONCRETE SIDEWALK (5")	SQ FT	4,675	2,900			1,250	5,225		6,565	9,105	2,700		32,420	\$6.00	\$194,520.00
SIDEWALK REMOVAL AND REPLACEMENT (5")	SQ FT	25	25										50	\$7.00	\$350.00
DETECTABLE WARNINGS	SQ FT	56	32			8	40		80		16		232	\$30.00	\$6,960.00
R1-1 STOP SIGNS (30" X 30")	EACH		1	1	1	2	1				1		7	\$250.00	\$1,750.00
R2-1 SPEED LIMIT 25 (24" X 30")	EACH							2		1			3	\$250.00	\$750.00
R4-7 MEDIAN WARNING SIGN (24" X 30")	EACH							2		2			4	\$250.00	\$1,000.00
STOP DISMOUNT BICYCLE SIGN	EACH					1							1	\$250.00	\$250.00
END BICYCLE PATH SIGN	EACH							1					1	\$250.00	\$250.00
SIGN POSTS	EACH		1	1	1	3	1	5		3	1		16	\$125.00	\$2,000.00
PAVEMENT MARKINGS - LINE 4"	FT							275	185	275			735	\$0.75	\$551.25
PAVEMENT MARKINGS - LINE 24"	FT		15	15	15	30	15		55		15		160	\$3.00	\$480.00
PAVEMENT MARKINGS - LETTERS AND SYMBOLS	SQ FT								36				36	\$5.00	\$180.00
CLEANING INLETS	EACH											52	52	\$100.00	\$5,200.00
CLEANING CATCH BASINS	EACH											44	44	\$225.00	\$9,900.00
CLEANING MANHOLES	EACH											94	94	\$185.00	\$17,390.00

- Notes:
1. Bituminous Materials (Prime Coat) = 0.1 Gal/SY.
 2. Aggregate (Prime Coat) = 0.002 Ton/SY.
 3. Filter fabric removal assumed to be included in cleaning of drainage structures.
 4. Fertilizer includes Nitrogen, Phosphorous and Potassium nutrient types at 90lb/acre per nutrient type.
 5. Price for Step Installation for Storm Sewer Structure is per structure, not per step.
 6. PCC Sidewalk (5") includes 4" of aggregate base course. Any excavation for the sidewalk is incidental to the pay item.
 7. Topsoil Furnish and Place (6") includes weed removal and incidental excavation.
 8. The Village may be able to coordinate with area contractors for the removal and disposal of the excess stockpile materials at significantly lower costs, as the materials may benefit other projects.
 9. 2012 unit prices are utilized for the Engineer's Opinion of Probable Cost.

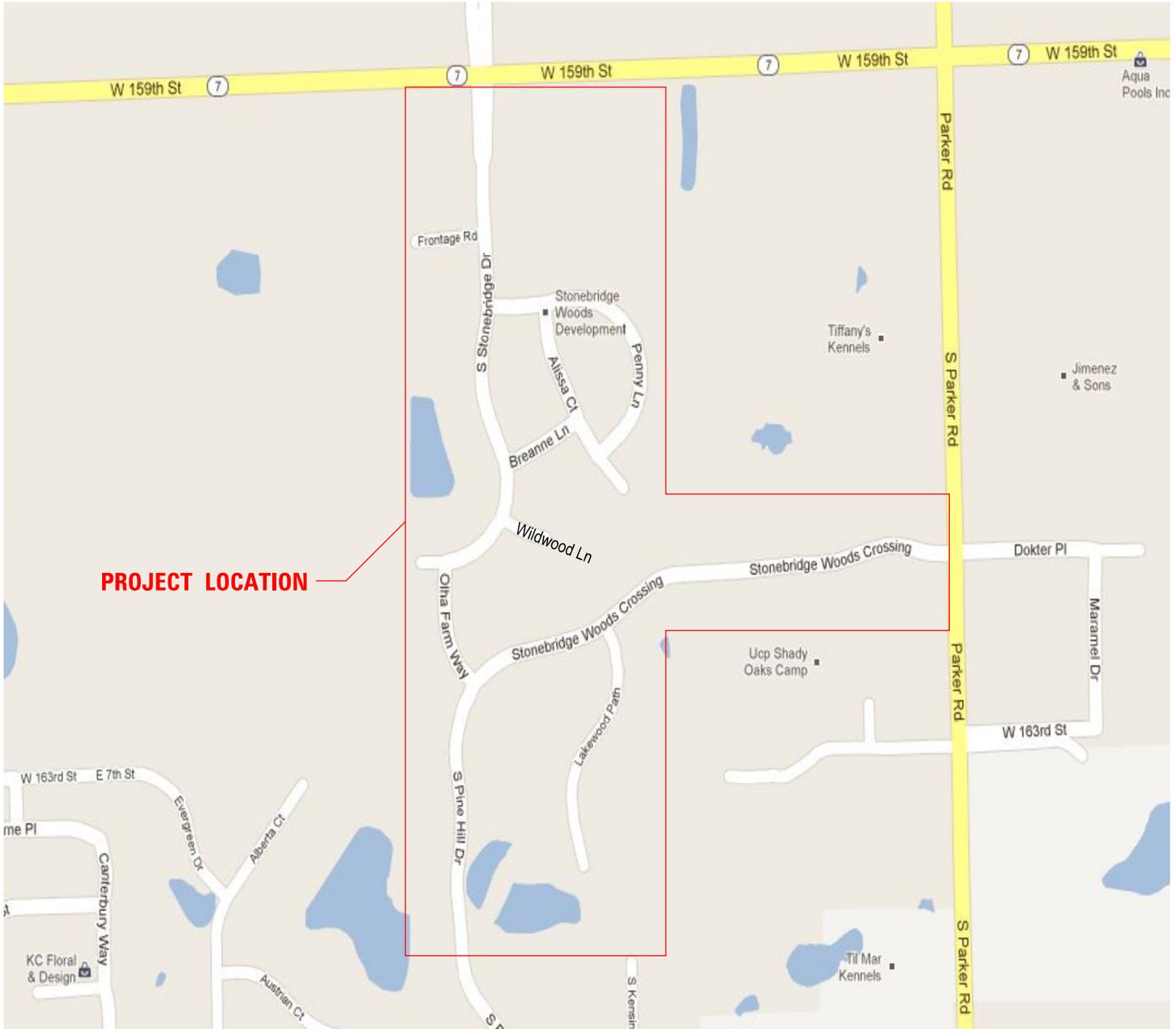


EXHIBIT C Stonebridge Woods - Engineer's Opinion of Probable Cost (July, 2012)

ROADWAY NAME	ALISSA COURT	BREANNE LANE	FRONTAGE ROAD	LAKEWOOD PATH	OLHA FARM WAY	PENNY LANE	PINE HILL DRIVE	STONEBRIDGE DRIVE	STONEBRIDGE WOODS CROSSING	WILDWOOD LANE	VARIOUS AREAS (PUBLIC AND PRIVATE LOTS)	TOTAL	UNIT COST	ESTIMATED COST	
ROADWAY LIMITS	PENNY LANE TO END	STONEBRIDGE DRIVE TO ALISSA COURT	STONEBRIDGE DRIVE TO END	STONEBRIDGE WOODS CROSSING TO END	STONEBRIDGE DRIVE TO PINE HILL DRIVE / STONEBRIDGE WOODS CROSSING	STONEBRIDGE DRIVE TO ALISSA COURT	OLHA FARM WAY TO END	159TH STREET TO END	OLHA FARM WAY TO PARKER ROAD	STONEBRIDGE DRIVE TO END					
LENGTH (FOOT)	780	370	400	975	500	1,280	1,060	1,900	2,400	220		9,885			
WIDTH (FOOT)	28	28	28	28	28	28	28	28	28	28					
EXTRA AREA (SQ YD)	875			875				1,300	733	875		4,658			
AREA (SQ YD)	3,302	1,151	1,245	3,908	1,556	3,982	3,298	7,211	8,200	1,560		35,412			
CLEANING END SECTIONS	EACH										34	34	\$100.00	\$3,400.00	
CLEANING SLOPE BOX	EACH										7	7	\$200.00	\$1,400.00	
CONCRETE BENCH FOR INLET	EACH										52	52	\$125.00	\$6,500.00	
CONCRETE BENCH FOR MANHOLE	EACH										94	94	\$350.00	\$32,900.00	
FRAMES TO BE ADJUSTED	EACH										38	38	\$250.00	\$9,500.00	
STEP INSTALLATION FOR STORM SEWER STRUCTURE	EACH										1	1	\$150.00	\$150.00	
GRATING FOR SLOPE BOX	EACH										1	1	\$600.00	\$600.00	
TYPE 8 GRATE REPLACEMENT	EACH										2	2	\$225.00	\$450.00	
WATER SERVICE BUFFALO BOX REPLACEMENT	EACH										27	27	\$325.00	\$8,775.00	
WATER SERVICE BUFFALO BOX ADJUSTMENT	EACH										4	4	\$125.00	\$500.00	
TOPSOIL FURNISH AND PLACE (6")	SQ YD	1,299	806	583	2,994	478	1,451	1,344	1,840	4,487	750	6,250	22,282	\$6.00	\$133,692.00
SEEDING, CLASS 1A	ACRE	0.27	0.17	0.12	0.62	0.10	0.30	0.28	0.38	0.93	0.15	1.29	4.61	\$3,000.00	\$13,830.00
FERTILIZER	POUND	73	46	32	167	27	81	76	103	251	41	348	1,245	\$5.00	\$6,225.00
EROSION CONTROL BLANKET	SQ YD	1,299	806	583	2,994	478	1,451	1,344	1,840	4,487	750	6,250	22,282	\$2.50	\$55,705.00
PARKWAY TREE	EACH	23	15	17	41	12	26	24	44	74	16	3	295	\$380.00	\$112,100.00
EROSION CORRECTIONS	SQ YD											2,500	2,500	\$5.00	\$12,500.00
PERIMETER EROSION BARRIER REMOVAL	FT											7,465	7,465	\$1.00	\$7,465.00
HMA SURFACE COURSE, MIX 'C', N50 (BIKE PATH)	TON											117	117	\$125.00	\$14,625.00
AGGREGATE BASE COURSE, TYPE B (6") (BIKE PATH)	SQ YD											1,044	1,044	\$10.00	\$10,440.00
EARTH EXCAVATION (BIKE PATH)	CU YD											232	232	\$30.00	\$6,960.00
EARTH STOCKPIE REMOVAL	CU YD											25,000	25,000	\$11.00	\$275,000.00

- Notes:
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	SUB TOTAL:	\$1,257,464.75
	CONTINGENCY (10%):	\$125,746.48
PREPARATION OF CONTRACT PROPOSALS FOR BIDDING, SUBSEQUENT CONTRACT AWARD AND CONSTRUCTION OBSERVATION (4%):		
	CONTRACT AWARD AND CONSTRUCTION OBSERVATION (4%):	\$55,328.45
	TOTAL:	\$1,438,539.67



PROJECT LOCATION

REVISIONS		
#	DATE:	BY:
1.		
2.		
3.		
4.		
5.		
6.		
7.		
8.		
9.		
10.		



HRGreen.com
 Illinois Professional Design Firm
 # 184-001322

**VILLAGE OF HOMER GLEN
 STONEBRIDGE WOODS
 LOCATION MAP**



SHEET ORIENTATION

DATE: 7/19/2012		
HORIZ. SCALE: N.T.S.		
DWN. BY: RCB	DSN. BY: MJA	CHK. BY: MJA
PROJECT NO. 86120056		
SHEET NO.		

Exhibit D