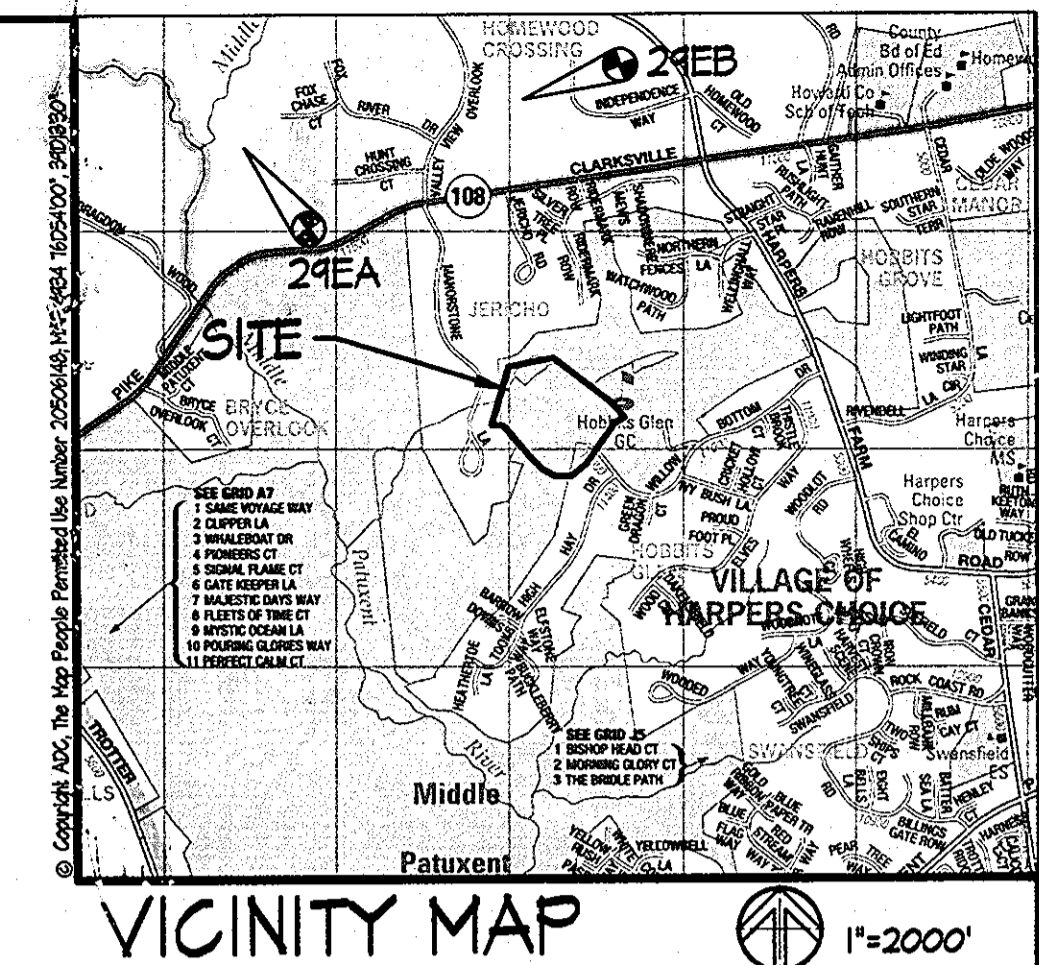
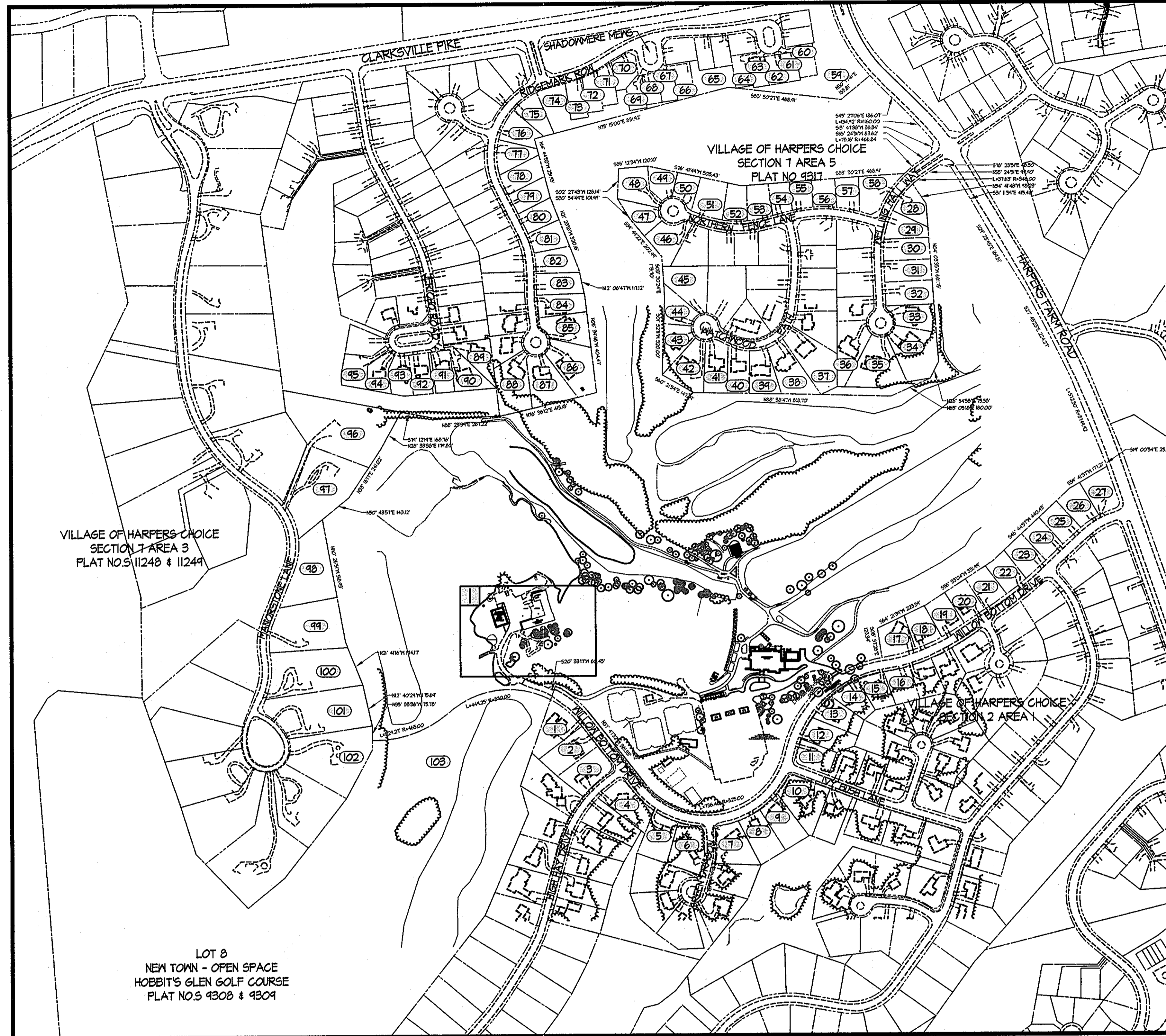


ADJOINERS CHART

# COLUMBIA ASSOCIATION MAINTENANCE FACILITY UPGRADES

	ADDRESS	OWNER	MAP	PARCEL	LOT	ZONING
1	1304 WILLOW BOTTOM DR	SELPMAN RICHARD D	0024	0271	63	NT
2	1305 WILLOW BOTTOM DR	STEURER STEPHEN J	0024	0271	62	NT
3	1301 WILLOW BOTTOM DR	MATHESON RODERICK III	0024	0271	61	NT
4	11454 HIGH HAY DR	SHAH FRAFUL B	0024	0271	34	NT
5	11225 WILLOW BOTTOM DR	PEARCE WILLIAM A & WF	0024	0271	38	NT
6	1212 GREEN DRAGON CT	SULLIVAN MARTHA	0024	0271	31	NT
7	11213 WILLOW BOTTOM DR	ANDREWS JENNIFER W	0024	0271	30	NT
8	11204 WILLOW BOTTOM DR	FENNEL FRANK F & WF	0024	0271	24	NT
9	11205 WILLOW BOTTOM DR	HUNTER GEORGE W III	0024	0271	28	NT
10	11225 IVY BUSH LANE	BUCHSBAUM LOUIS	0024	0271	27	NT
11	11195 WILLOW BOTTOM DR	FARBER LOUIS W	0024	0271	24	NT
12	11191 WILLOW BOTTOM DR	PAUMIER CYRIL B JR & WF	0024	0271	23	NT
13	11127 WILLOW BOTTOM DR	SKERRETT WILLIAM R	0024	0271	22	NT
14	11123 WILLOW BOTTOM DR	ALLEN BIRCHARD B JR	0024	0271	21	NT
15	11114 WILLOW BOTTOM DR	STACY THOMAS W	0024	0271	20	NT
16	11115 WILLOW BOTTOM DR	LYNCH FRANCES M TRUSTEE	0024	0271	19	NT
17	11114 WILLOW BOTTOM DR	HEER CHRISTOPHER L	0024	0271	11	NT
18	11110 WILLOW BOTTOM DR	DACRES KAREN D	0024	0271	10	NT
19	11106 WILLOW BOTTOM DR	HALLMAN JOHN RAY JR	0024	0271	4	NT
20	11102 WILLOW BOTTOM DR	SEE CHESTER A & WF	0024	0271	8	NT
21	11026 WILLOW BOTTOM DR	BAHAN ERICA J	0024	0271	7	NT
22	11022 WILLOW BOTTOM DR	MCDONOUGH JOHN F III	0024	0271	6	NT
23	11018 WILLOW BOTTOM DR	DUFREE DAVID	0024	0271	5	NT
24	11014 WILLOW BOTTOM DR	WEBER RICHARD H	0024	0271	4	NT
25	11010 WILLOW BOTTOM DR	DE VENECIA ELEANOR S TRUSTEE	0024	0271	3	NT
26	11006 WILLOW BOTTOM DR	EINAUDI FRANCO	0024	0271	2	NT
27	11002 WILLOW BOTTOM DR	SOERGEL PHILIP M	0024	0271	1	NT
28	5101 WELLSHALL WAY	PHILLIPS WILLIAM J TRUSTEE	0024	0364	1	NT
29	5105 WELLSHALL WAY	LOITER ROSLYN B	0024	0364	2	NT
30	5104 WELLSHALL WAY	HUTCHERSON DONALD E	0024	0364	3	NT
31	5113 WELLSHALL WAY	VAIDYA HEMAL K	0024	0364	4	NT
32	5111 WELLSHALL WAY	RIVEST JEFFREY A	0024	0364	5	NT
33	5121 WELLSHALL WAY	MADISON ANNE C	0024	0364	6	NT
34	5125 WELLSHALL WAY	STANFIELD RONALD J	0024	0364	7	NT
35	5124 WELLSHALL WAY	CHICCOE FREDERICK G	0024	0364	8	NT
36	5124 WELLSHALL WAY	MOON MICHAEL F	0024	0364	9	NT
37	5121 MATCHWOOD PATH	ROGA RICHARD	0024	0364	14	NT
38	5125 MATCHWOOD PATH	CHI CHANG W	0024	0364	20	NT
39	5124 MATCHWOOD PATH	ROYHAN BAHMAN A	0024	0364	21	NT
40	5133 MATCHWOOD PATH	THAN THY T	0024	0364	22	NT
41	5131 MATCHWOOD PATH	MARIANELLI ROBERT SILVIO TRUSTEE	0024	0364	23	NT
42	5141 MATCHWOOD PATH	ADAMS KIMBERLY S	0024	0364	24	NT
43	5128 MATCHWOOD PATH	JACKSON LAWRENCE R	0024	0364	25	NT
44	5124 MATCHWOOD PATH	HURLEY JAMES M	0024	0364	26	NT
45	5120 MATCHWOOD PATH	ZIENTS STEVEN J	0024	0364	27	NT
46	5124 NORTHERN FENCES LANE	GERHARTZ STEVEN C	0024	0364	36	NT
47	5133 NORTHERN FENCES LANE	KIM JAE YOL	0024	0364	31	NT
48	5131 NORTHERN FENCES LANE	COUGHLAN WILLIAM D	0024	0364	38	NT
49	5130 NORTHERN FENCES LANE	HARLACHER DONALD S	0024	0364	34	NT
50	5134 NORTHERN FENCES LANE	BOYSER JACK M	0024	0364	40	NT
51	5130 NORTHERN FENCES LANE	BURKS GREGORY L	0024	0364	41	NT
52	5126 NORTHERN FENCES LANE	JENNINGS BERNARD L	0024	0364	42	NT
53	5122 NORTHERN FENCES LANE	WANG CHRISTINE S	0024	0364	43	NT
54	5118 NORTHERN FENCES LANE	FASHOLA MAXWELL	0024	0364	44	NT
55	5114 NORTHERN FENCES LANE	HANMANN FREDERICK B III	0024	0364	45	NT
56	5110 NORTHERN FENCES LANE	SPENCER PHILLIP M	0024	0364	46	NT
57	5106 NORTHERN FENCES LANE	KELLY JAMES P	0024	0364	47	NT
58	5100 WELLSHALL WAY	CALLOWAY STEPHEN J	0024	0364	48	NT
59		COLUMBIA ASSOCIATION INC	0024	0361	143	NT
60	11208 RIDERMARK ROY	MERCER PHILIP T	0024	0361	3	NT
61	11212 RIDERMARK ROY	CAMPBELL BARBARA C	0024	0361	4	NT
62	11216 RIDERMARK ROY	WILSON ROBERT W	0024	0361	5	NT
63	11220 RIDERMARK ROY	CHIANG HUI-YU	0024	0361	6	NT
64	11224 RIDERMARK ROY	NICKLAS BARBARA A	0024	0361	7	NT
65		COLUMBIA ASSOCIATION	0024	0361	141	NT
66	11205 SHADOWMERE MEWS	LARSON GERALD A	0024	0361	12	NT
67	11204 SHADOWMERE MEWS	BOHSE STEPHEN R	0024	0361	145	NT
68	11210 SHADOWMERE MEWS	RAMSDEN JOHN J	0024	0361	146	NT
69	11206 SHADOWMERE MEWS	HANKIN KENNETH L	0024	0361	15	NT
70	11248 RIDERMARK ROY	LEAMAN BETH K	0024	0361	16	NT
71	11252 RIDERMARK ROY	BISSONITZ DANIEL	0024	0361	17	NT
72	11256 RIDERMARK ROY	SHEFF ARLENE H	0024	0361	18	NT
73	11260 RIDERMARK ROY	DAY THOMAS BAKER	0024	0361	19	NT
74		HOWARD RESEARCH AND DEVELOPMENT	0024	0361	142	NT
75	11268 RIDERMARK ROY	KIM THEODORE YOUNG	0024	0361	20	NT
76	11272 RIDERMARK ROY	DAVIS JOSEPH M	0024	0361	21	NT
77	11276 RIDERMARK ROY	HERDRICH WILLIAM J	0024	0361	22	NT
78	11280 RIDERMARK ROY	MAGURIE GINDI S	0024	0361	23	NT
79	11284 RIDERMARK ROY	GUIDA VINCENT M	0024	0361	24	NT
80	11288 RIDERMARK ROY	VIOLETTE RICHARD G	0024	0361	25	NT
81	11242 RIDERMARK ROY	BERGER CHARLES	0024	0361	26	NT
82	11246 RIDERMARK ROY	FAST STEVEN B	0024	0361	27	NT
83	11300 RIDERMARK ROY	DOUGHERTY JACK R	0024	0361	28	NT
84	11304 RIDERMARK ROY	MANTENA RAJ L	0024	0361	29	NT
85	11308 RIDERMARK ROY	TRELLIS ALAN R	0024	0361	30	NT



**BENCHMARKS**

ELEVATIONS WITHIN FIELD RUN SURVEY LIMITS ARE BASED ON THE FOLLOWING HOWARD COUNTY TRAVERSE POINTS.

#24EA	N51032.8414	E1330186.4544	ELEVATION 436.66
#24EB	N510505.0944	E1340430.1241	ELEVATION 442.34

**SHEET INDEX**

1 OF 3	ECP-01- COVER SHEET & PROJECT NARRATIVE
2 OF 3	ECP-01- CONCEPT PLAN
3 OF 3	ECP-02- CONCEPT DRAINAGE AREA MAP

**EXISTING VEGETATIVE COMMUNITIES**

The site is largely covered by hardscape surfaces (asphalt driveway and compacted stone lay down / storage yard) for golf maintenance. A successional forest approximately 20-40 years of age is also present but outside of the project work zone. The condition of most of this stand is fair with some invasive species. There are a few small stands containing some mature, larger trees.

**DESIGN NARRATIVE**

This project includes the construction of a small (50'x10') pre-fabricated steel building. The structure will initially be used for the storage of golf carts during the construction of the new clubhouse (SDP-13-021) and will thereafter be used for the storage of maintenance equipment. The proposed building is to be located at the current site of a stone lay down / storage yard. The selection of this location will enhance the maintenance operations while minimizing environmental impacts and protecting natural resources. No trees, shrubs, streams, wetlands, forest or associated buffers, floodplain, steep slopes, or other environmentally sensitive features are located within the proposed limit of disturbance. Where possible construction activities will be limited to impervious surfaces and natural flow patterns will be maintained. This project will meet the Stormwater Management requirements which in turn will reduce the environmental impact from what is currently in place. The design strives to minimize impervious surfaces, doing so by reducing existing impervious cover of the project site by 50%. Sediment controls are designed to integrate with the proposed SWM / EBP techniques.

**GENERAL NOTE**

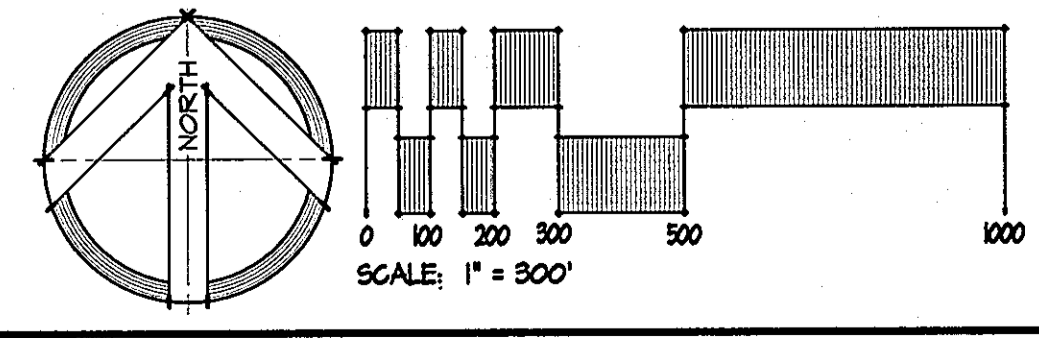
Approval of this ECP does not constitute approval of any subsequent and associated subdivision plan/plot and/or site development plan and/or redline revision plan. Review of this project for compliance with the Howard County Subdivision and Land Development Regulations and the Howard County Zoning Regulations shall occur at the subdivision plan/plot and/or site development plan stages and/or redline revision process. The applicant and consultant should expect additional and more detailed review comments including comments that may alter the overall site design as this project progresses through the plan review process.

**SITE ANALYSIS DATA CHART**

ADDRESS	OWNER	MAP	PARCEL	LOT	ZONING
11312 RIDERMARK ROY	JOHNSON MICHAEL C	0024	0361	31	NT
11316 RIDERMARK ROY	LOHRMANN STEPHEN K	0024	0361	32	NT
11321 RIDERMARK ROY	EGAN WILLIAM M	0024	0361	33	NT
5087 JERICO ROAD	GORDON BENNY	0024	0055	16	R20
5043 JERICO ROAD	COOK WILLIAM L TRUSTEE	0024	0055	17	R20
5108 JERICO ROAD	FILDERMAN PETER S	0024	0055	18	R20
5104 JERICO ROAD	GEEVARGHESE SALIN	0024	0055	20	R20
5100 JERICO ROAD	WRIGHT WALTER J TR	0024	0055	21	R20
5046 JERICO ROAD	SMITH GREGG E	0024	0055	22	R20
5042 JERICO ROAD	DACRES CHESTER M	0024	0055	23	R20
11524 MANORSTONE LANE	WILHELM WAYNE	0024	0310	23	NT
11533 MANORSTONE LANE	MOORE JAMES T	0024	0310	22	NT
	COLUMBIA ASSOCIATION INC	0024	0310	31	NT
11531 MANORSTONE LANE	ABRO KAMRAN	0024	0310	21	NT
11541 MANORSTONE LANE	RIFKIN ALAN	0024	0310	20	NT
11545 MANORSTONE LANE	LITTLEFIELD JEAN M	0024	0310	19	NT
11544 MANORSTONE LANE	SANDLER JON L	0024	0310	18	NT
11543 MANORSTONE LANE	COLUMBIA ASSOCIATION INC	0024	0315	6	PLD

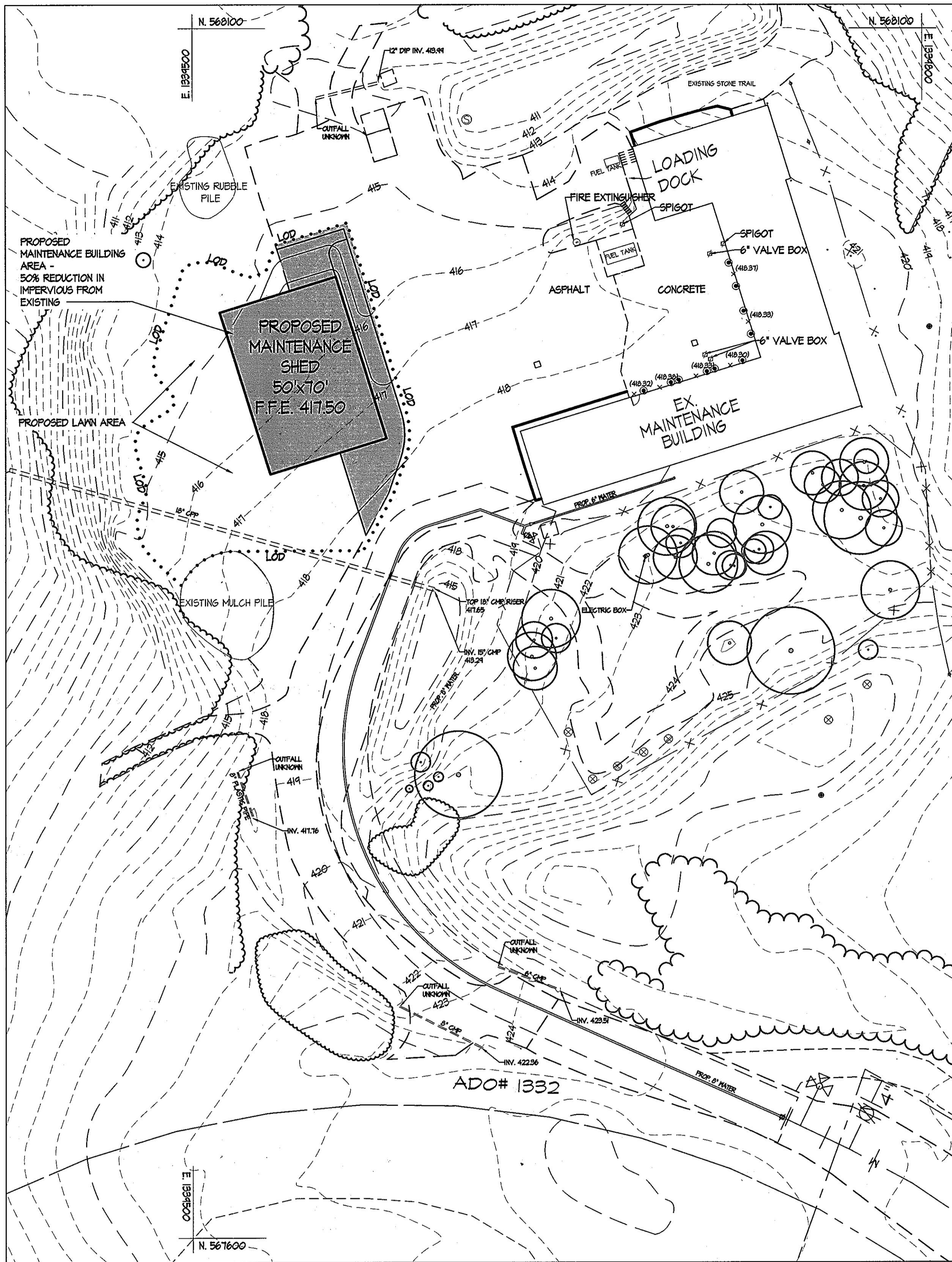
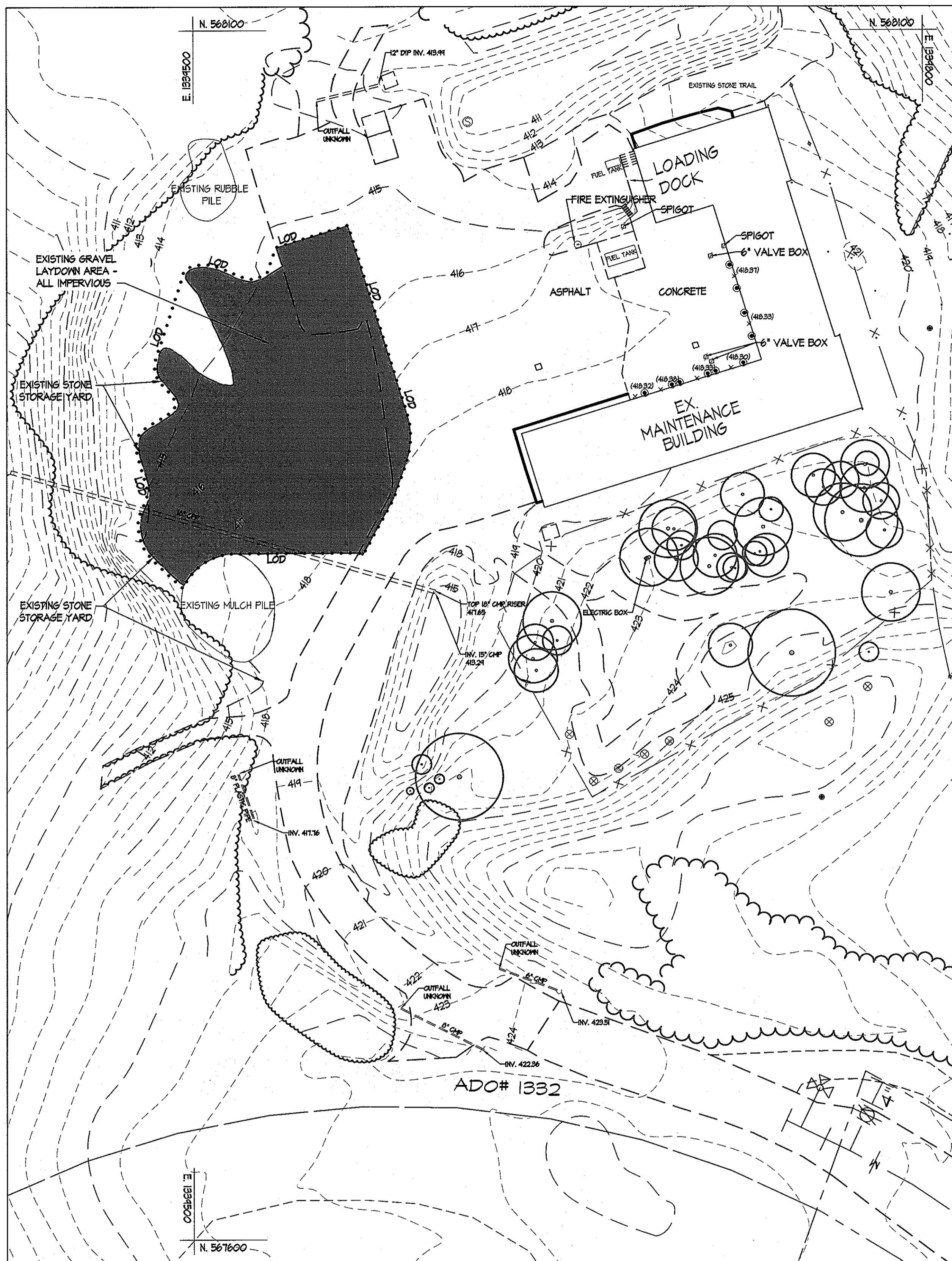
**ASSOCIATED PROJECT REVIEW FILE NUMBERS**

SDP-08-184, SDP-04-026, SDP-41-086, SDP-03-150, SDP-13-021, F-40-156, FDP PHASE 5-A-II (PLAT NO.3054-A-1184 TO 1193), GP-04-08, F-81-10, NP-03-140, NP-04-16. Plans Associated with Hobbit's Glen Golf Club.



**ADDRESS / PERMIT INFORMATION**  
 1130 WILLOW BOTTOM DRIVE, COLUMBIA, MD 21044  
 PARCEL: LOT 18, VILLAGE OF HARPERS CHOICE, SECTION 2, AREA 1, BLOCK 16, ZONE: NT  
 MAP: MAP NO. 1130, PLAT NO. 1130, 1131, 1132, 1133, 1134, 1135, 1136, 1137, 1138, 1139, 1140, 1141, 1142, 1143, 1144, 1145, 1146, 1147, 1148, 1149, 1150, 1151, 1152, 1153, 1154, 1155, 1156, 1157, 1158, 1159, 1160, 1161, 1162, 1163, 1164, 1165, 1166, 1167, 1168, 1169, 1170, 1171, 1172, 1173, 1174, 1175, 1176, 1177, 1178, 1179, 1180, 1181, 1182, 1183, 1184, 1185, 1186, 1187, 1188, 1189, 1190, 1191, 1192, 1193, 1194, 1195, 1196, 1197, 1198, 1199, 1200, 1201, 1202, 1203, 1204, 1205, 1206, 1207, 1208, 1209, 1210, 1211, 1212, 1213, 1214, 1215, 1216, 1217, 1218, 1219, 1220, 1221, 1222, 1223, 1224, 1225, 1226, 1227, 1228, 1229, 1230, 1231, 1232, 1233, 1234, 1235, 1236, 1237, 1238, 1239, 1240, 1241, 1242, 1243, 1244, 1245, 1246, 1247, 1248, 1249, 1250, 1251, 1252, 1253, 1254, 1255, 1256, 1257, 1258, 1259, 1260, 1261, 1262, 1263, 1264, 1265, 1266, 1267, 1268, 1269, 1270, 1271, 1272, 1273, 1274, 1275, 1276, 1277, 1278, 1279, 1280, 1281, 1282, 1283, 1284, 1285, 1286, 1287, 1288, 1289, 1290, 1291, 1292, 1293, 1294, 1295, 1296, 1297, 1298, 1299, 1300, 1301, 1302, 1303, 1304, 1305, 1306, 1307, 1308, 1309, 1310, 1311, 1312, 1313, 1314, 1315, 1316, 1317, 1318, 1319, 1320, 1321, 1322, 1323, 1324, 1325, 1326, 1327, 1328, 1329, 1330, 1331, 1332, 1333, 1334, 1335, 1336, 1337, 1338, 1339, 1340, 1341, 1342, 1343, 1344, 1345, 1346, 1347, 1348, 1349, 1350, 1351, 1352, 1353, 1354, 1355, 1356, 1357, 1358, 1359, 1360, 1361, 1362, 1363, 1364, 1365, 1366, 1367, 1368, 1369, 1370, 1371, 1372, 1373, 1374, 1375, 1376, 1377, 1378, 1379, 1380, 1381, 1382, 1383, 1384, 1385, 1386, 1387, 1388, 1389, 1390, 1391, 1392, 1393, 1394, 1395, 1396, 1397, 1398, 1399, 1400, 1401, 1402, 1403, 1404, 1405, 1406, 1407, 1408, 1409, 1410, 1411, 1412, 1413, 1414, 1415, 1416, 1417, 1418, 1419, 1420, 1421, 1422, 1423, 1424, 1425, 1426, 1427, 1428, 1429, 1430, 1431, 1432, 1433, 1434, 1435, 1436, 1437, 1438, 1439, 1440, 1441, 1442, 1443, 1444, 1445, 1446, 1447, 1448, 1449, 1450, 1451, 1452, 1453, 1454, 1455, 1456, 1457, 1458, 1459, 1460, 1461, 1462, 1463, 1464, 1465, 1466, 1467, 1468, 1469, 1470, 1471, 1472, 1473, 1474, 1475, 1476, 1477, 1478, 1479, 1480, 1481, 1482, 1483, 1484, 1485, 1486, 1487, 1488, 1489, 1490, 1491, 1492, 1493, 1494, 1495, 1496, 1497, 1498, 1499, 1500, 1501, 1502, 1503, 1504, 1505, 1506, 1507, 1508, 1509, 1510, 1511, 1512, 1513, 1514, 1515, 1516, 1517, 1518, 1519, 1520, 1521, 1522, 1523, 1524, 1525, 1526, 1527, 1528, 1529, 1530, 1531, 1532, 1533, 1534, 1535, 1536, 1537, 1538, 1539, 1540, 1541, 1542, 1543, 1544, 1545, 1546, 1547, 1548, 1549, 1550, 1551, 1552, 1553, 1554, 1555, 1556, 1557, 1558, 1559, 1560, 1561, 1562, 1563, 1564, 1565, 1566, 1567, 1568, 1569, 1570, 1571, 1572, 1573, 1574, 1575, 1576, 1577, 1578, 1579, 1580, 1581, 1582, 1583, 1584, 1585, 1586, 1587, 1588, 1589, 1590, 1591, 1592, 1593, 1594, 1595, 1596, 1597, 1598, 1599, 1600, 1601, 1602, 1603, 1604, 1605, 1606, 1607, 1608, 1609, 1610, 1611, 1612, 1613, 1614, 1615, 1616, 1617, 1618, 1619, 1620, 1621, 1622, 1623, 1624, 1625, 1626, 1627, 1628, 1629, 1630, 1631, 1632, 1633, 1634, 1635, 1636, 1637, 1638, 1639, 1640, 1641, 1642, 1643, 1644, 1645, 1646, 1647, 1648, 1649, 1650, 1651, 1652, 1653, 1654, 1655, 1656, 1657, 1658, 1659, 1660, 1661, 1662, 1663, 1664, 1665, 1666, 1667, 1668, 1669, 1670, 1671, 1672, 1673, 1674, 1675, 1676, 1677, 1678, 1679, 1680, 1681, 1682, 1683, 1684, 1685, 1686, 1687, 1688, 1689, 1690, 1691, 1692, 1693, 1694, 1695, 1696, 1697, 1698, 1699, 1700, 1701, 1702, 1703, 1704, 1705, 1706, 1707, 1708, 1709, 1710, 1711, 1712, 1713, 1714, 1715, 1716, 1717, 1718, 1719, 1720, 1721, 1722, 1723, 1724, 1725, 1726, 1727, 1728, 1729, 1730, 1731, 1732, 1733, 173





**1 EXISTING IMPERVIOUS COVERAGE**  
 MAINTENANCE BUILDING  
 SCALE: 1" = 30'

**2 PROPOSED IMPERVIOUS COVERAGE**  
 MAINTENANCE BUILDING  
 SCALE: 1" = 30'

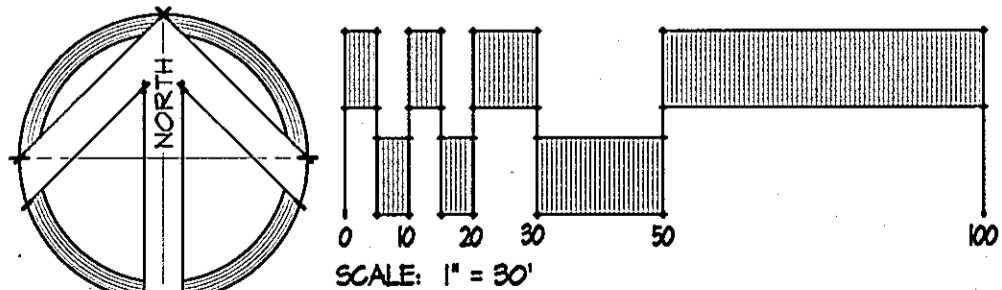
EXISTING IMPERVIOUS AREA

PROPOSED IMPERVIOUS AREA

SITE AREA TABULATION	
TOTAL STUDY AREA	= 0.26 Ac
EX. IMPERVIOUS AREA	= 0.26 Ac
PROP. IMPERVIOUS AREA	= 0.13 Ac
SPM QUALITY REQUIREMENTS ARE PROVIDED WITH A 50% REDUCTION IN IMPERVIOUS COVER	

APPROVED: DEPARTMENT OF PLANNING & ZONING  
 [Signature]  
 CHIEF, DEVELOPMENT ENGINEERING DIVISION  
 [Signature]  
 CHIEF, DIVISION OF LAND DEVELOPMENT

5/15/13  
 DATE  
 5/13/13  
 DATE

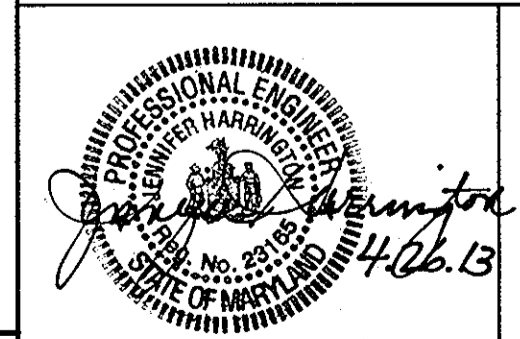


ADDRESS / PERMIT INFORMATION  
 830 WELLS BOTTOM DRIVE, COLUMBIA, MD, 21044  
 PARCEL 155, LOT 5, VILLAGE OF HARBERS CHOICE, SECTION 2, AREA 1, BLOCK 16, ZONE: NT  
 TAX MAP NO. 24 PLAT NO. 1930A + 1930B  
 5TH ELECTION DISTRICT, GENESIS TRACT 605622  
 WATER CODE 24A PWS, SEWER CODE 24A PWS  
 FILE REFERENCE INFORMATION  
 SDF-50-164, SDFP-026, SDFP-026, SDFP-026-180, SDFP-026-021, F-40-186  
 FOP TRACT 3-A-11 PLAT NO. 2594-A-1114 TO 151, 8P-04-08, F-31-10, MP-03-140, MP-04-16  
 OWNER:  
 COLUMBIA ASSOCIATION INC. 10221 KINCOPIN CIRCLE, COLUMBIA, MARYLAND 21044  
 PHONE (410) 715-3000  
 DEVELOPER:  
 COLUMBIA ASSOCIATION INC. 10221 KINCOPIN CIRCLE, COLUMBIA, MARYLAND 21044  
 PHONE (410) 715-3000

**NOT TO SCALE**  
 STORMWATER MANAGEMENT  
 DRAINAGE AREA PLAN

**COLUMBIA ASSOCIATION  
 MAINTENANCE FACILITY UPGRADES**

PROPERTY OF  
 COLUMBIA ASSOCIATION, INC.  
 REVISIONS



PROFESSIONAL ENGINEER  
 I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 2286, EXPIRATION DATE: 07/08.

DRAWN BY: FJP  
 DESIGNED BY: FJP  
 CHECKED BY: JHL  
 DATE: APRIL 22, 2013

CONTRACT NO.: -  
 SCALE: 1"=30'  
 SRI PROJECT NO.: 1210126  
 SHEET ECPI.02 3 OF 3

W:\Projects\1210126-CA\_Maintenance Facility Upgrades\ECPI.02\_SWM Planning.dwg Apr 25, 2013 11:56am FJP