

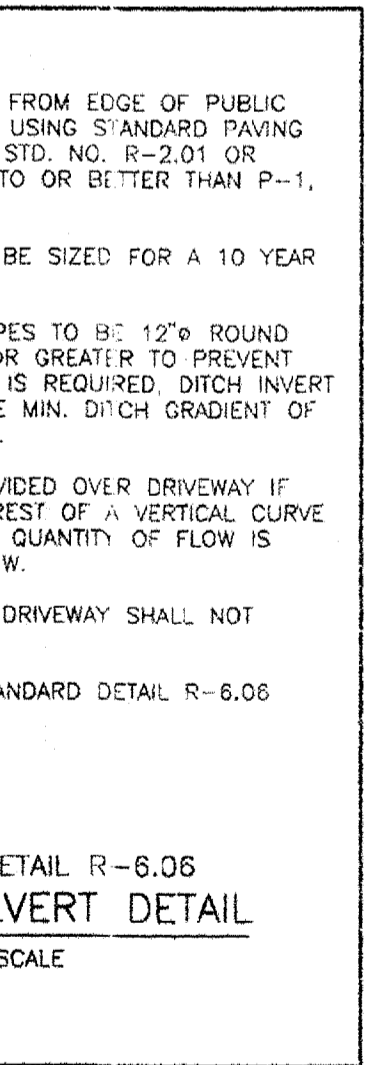
PIPE SCHEDULE

| RUN | SIZE | LENGTH | TYPE & CLASS |
|----------------|------|--------|-------------------|
| 1-1 TO ES-1 | 18" | 28' | HDPE |
| 1-1 TO ES-1 | 18" | 38' | HDPE |
| 1-2 TO ES-2 | 18" | 42' | HDPE |
| DEWATER TO S-1 | 8" | 25' | PVC SCH. 40 |
| S-1 TO MH-1 | 30" | 49' | ASTM C-301 (B-28) |
| MH-1 TO MH-2 | 30" | 31' | ASTM C-301 (B-28) |
| I-1 TO ES-3 | 18" | 18' | HDPE |
| I-3 TO MH-2 | 24" | 33' | HDPE |

STRUCTURE SCHEDULE

| NO. | TYPE | LOCATION | INVERT IN | INVERT OUT | TOP ELEV. | HO. CO. STD. | REMARKS | FRONT TO BACK INSIDE DIM. OF STRUCT. |
|------|---------------|-------------------------------------|-----------|------------|-----------|--------------|---------|--------------------------------------|
| I-1 | "D" INLET | IVY SPRING ROAD STA.1+50 18.0' LT. | 117.04 | 103.80 | 123.60 | S3-4.11 | - | - |
| I-2 | "D" INLET | CROSS IVY ROAD STA.3+04 19.0' LT. | - | 122.28 | 127.33 | S3-4.11 | - | - |
| S-1 | SWAMP RELEASE | N 494964.53 E 872765.60 | 102.41 | 102.41 | 108.67 | - | - | - |
| MH-1 | MANHOLE | N 495012.19 E 872765.72 | 102.16 | 101.90 | 106.60 | S-5.11 | - | - |
| ES-1 | HDPE | CROSS IVY ROAD STA.34+29 24.0' RT. | 122.01 | 122.00 | 123.6 | - | - | - |
| ES-2 | HDPE | IVY SPRING ROAD STA.1+55 17.0' RT. | 121.00 | 120.84 | 122.8 | - | - | - |
| ES-3 | HDPE | N 494964.57, 197.0 E 872765.8, 36.5 | 114.0 | 113.96 | 115.6 | - | - | - |
| I-3 | "D" INLET | - | 121.12 | 118.17 | 126.0 | D-4.10 | - | - |
| MH-2 | "D" INLET | - | 118.0 | 119.04 | 123.0 | G-5.12 | - | - |

NOTE: DRIVEWAY CULVERTS WILL BE 14" ARCH PIPE PER HO. CO. STD. R-6.06 AND SHALL BE SHOWN WHEN A BUILDING PERMIT PLAN IS REQUIRED FOR EACH LOT.



APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

CHIEF, BUREAU OF HIGHWAYS

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

CHIEF, DIVISION OF LAND DEVELOPMENT

BENCHMARK ENGINEERING, INC.
ENGINEERS • LAND SURVEYORS • PLANNERS
8480 BALTIMORE NATIONAL PIKE & SUITE 418
ELICOTT CITY, MARYLAND 21143
PHONE: 410-465-6105 • FAX: 410-465-6644
EMAIL: BENCHM@CCDCS.COM

OWNER/DEVELOPER: SPRINGLAND, I.L.C.
5570 STERRET STREET
COLUMBIA, MD 21044
PHONE: 410-472-2993

PROJECT: HARWOOD PARK
IVY SPRING ROAD & CROSS IVY ROAD AND
LOTS 1103A, 1103B, 1103C, 1108B, 1109A-1109C,
1103A-1104A, 1108A-1108B, 1109, 1110B-1111B,
1118B-1118D, 1133B-1137B, 1141B AND 1143B

LOCATION: TAX MAP 38 - GRIDS 13 & 14
P/O PARCEL 873
1st ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

TITLE: STORM DRAIN DRAINAGE AREA
MAP, PROFILES AND DETAILS

DATE: AUGUST, 2000
AUGUST, 2001

PROJECT NO.: 1305

SCALE: AS SHOWN

DRAWING: 3 OF 7

DESIGN: MLV **DRAFT:** MCR **CHECK:** DAM