

OWNERS / DEVELOPERS CERTIFICATE

I HEREBY CERTIFY THAT ALL CONSTRUCTION WILL BE DONE IN ACCORDANCE WITH THE ST. MARY'S COUNTY ROAD CONSTRUCTION AND CONSTRUCTION PROCEDURES AND THESE PLANS AND SPECIFICATIONS AS APPROVED.

ANY CLEANING, GRADING, CONSTRUCTION OR DEVELOPMENT, OF ALL OF THESE, WILL BE DONE PURSUANT TO THIS PLAN AND THAT ALL RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF TRAINING AT A MARYLAND DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM BEFORE BEGINNING THE PROJECT.

JAMES M. GOTSCH, P.E. DATE 5/9/2024 THE BOARD OF COUNTY COMMISSIONERS FOR ST. MARY'S COUNTY MD P.O. BOX 683 LEONARDTOWN, MARYLAND 20686

ENGINEER'S CERTIFICATIONS

I HEREBY CERTIFY TO THE BEST OF MY PROFESSIONAL KNOWLEDGE, INFORMATION AND BELIEF THAT THE PLANS SHOWN HEREIN ARE CORRECT AND CONFORM TO THE ST. MARY'S COUNTY ZONING ORDINANCE.

I CERTIFY TO THE BEST OF MY KNOWLEDGE, AND BELIEF, THESE PLANS FOR THE CONSTRUCTION OF STORMWATER MANAGEMENT FACILITIES MEET THE CRITERIA SET FORTH IN THE ST. MARY'S COUNTY STORMWATER MANAGEMENT ORDINANCE, ADOPTED APRIL 2010.

I HEREBY CERTIFY THAT THE PLANS SHOWN HEREIN ARE CORRECT AND THAT THEY CONFORM TO THE STANDARDS AND SPECIFICATIONS AS SET FORTH IN THE ST. MARY'S COUNTY METRIC POLYMER COMMISSION'S STANDARD SPECIFICATIONS FOR WATER AND SEWER CONSTRUCTION.

I CERTIFY THAT THIS PLAN OF EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE, AND THAT THIS PLAN WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE ST. MARY'S COUNTY SOIL CONSERVATION DISTRICT AND THE 2011 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL CONSERVATION AND SEDIMENT CONTROL.

REN R. CRANE, P.E., #2368 DATE 5/9/2024

AS-BUILT CERTIFICATION

I HEREBY CERTIFY THAT THIS AS-BUILT IS ACCURATE AND COMPLETE AND THAT THE FIELDS AS CONSTRUCTED MEET THE REQUIREMENTS OF THE STANDARDS AND SPECIFICATIONS FOR PONDS, SCS-378

NAME DATE

REN R. CRANE, P.E., #2368 DATE 5/9/2024

AS-BUILT CERTIFICATION

I HEREBY CERTIFY THAT THIS AS-BUILT IS ACCURATE AND COMPLETE AND THAT THE FIELDS AS CONSTRUCTED MEET THE REQUIREMENTS OF THE STANDARDS AND SPECIFICATIONS FOR PONDS, SCS-378

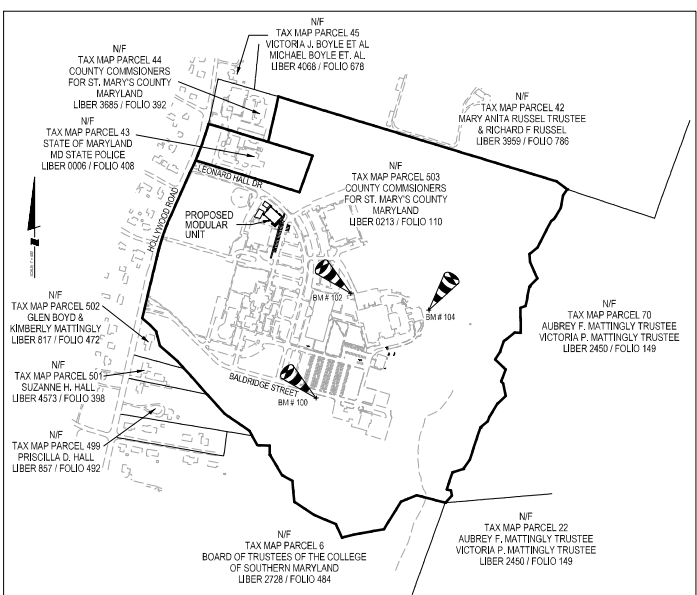
NAME DATE

REN R. CRANE, P.E., #2368 DATE 5/9/2024

ABBREVIATIONS

Table with 2 columns: Abbreviation and Full Name. Includes items like AD, ADV, B, BA, BB, BC, BD, BE, BF, BG, BH, BI, BJ, BK, BL, BM, BN, BO, BP, BQ, BR, BS, BT, BU, BV, BW, BX, BY, BZ, CA, CB, CC, CD, CE, CF, CG, CH, CI, CJ, CK, CL, CM, CN, CO, CP, CQ, CR, CS, CT, CU, CV, CW, CX, CY, CZ, DA, DB, DC, DD, DE, DF, DG, DH, DI, DJ, DK, DL, DM, DN, DO, DP, DQ, DR, DS, DT, DU, DV, DW, DX, DY, DZ, EA, EB, EC, ED, EE, EF, EG, EH, EI, EJ, EK, EL, EM, EN, EO, EP, EQ, ER, ES, ET, EU, EV, EW, EX, EY, EZ, FA, FB, FC, FD, FE, FF, FG, FH, FI, FJ, FK, FL, FM, FN, FO, FP, FQ, FR, FS, FT, FU, FV, FW, FX, FY, FZ, GA, GB, GC, GD, GE, GF, GG, GH, GI, GJ, GK, GL, GM, GN, GO, GP, GQ, GR, GS, GT, GU, GV, GW, GX, GY, GZ, HA, HB, HC, HD, HE, HF, HG, HH, HI, HJ, HK, HL, HM, HN, HO, HP, HQ, HR, HS, HT, HU, HV, HW, HX, HY, HZ, IA, IB, IC, ID, IE, IF, IG, IH, II, IJ, IK, IL, IM, IN, IO, IP, IQ, IR, IS, IT, IU, IV, IW, IX, IY, IZ, JA, JB, JC, JD, JE, JF, JG, JH, JI, JJ, JK, JL, JM, JN, JO, JP, JQ, JR, JS, JT, JU, JV, JW, JX, JY, JZ, KA, KB, KC, KD, KE, KF, KG, KH, KI, KJ, KK, KL, KM, KN, KO, KP, KQ, KR, KS, KT, KU, KV, KW, KX, KY, KZ, LA, LB, LC, LD, LE, LF, LG, LH, LI, LJ, LK, LM, LN, LO, LP, LQ, LR, LS, LT, LU, LV, LW, LX, LY, LZ, MA, MB, MC, MD, ME, MF, MG, MH, MI, MJ, MK, ML, MM, MN, MO, MP, MQ, MR, MS, MT, MU, MV, MW, MX, MY, MZ, NA, NB, NC, ND, NE, NF, NG, NH, NI, NJ, NK, NL, NM, NN, NO, NP, NQ, NR, NS, NT, NU, NV, NW, NX, NY, NZ, OA, OB, OC, OD, OE, OF, OG, OH, OI, OJ, OK, OL, OM, ON, OO, OP, OQ, OR, OS, OT, OU, OV, OW, OX, OY, OZ, PA, PB, PC, PD, PE, PF, PG, PH, PI, PJ, PK, PL, PM, PN, PO, PP, PQ, PR, PS, PT, PU, PV, PW, PX, PY, PZ, QA, QB, QC, QD, QE, QF, QG, QH, QI, QJ, QK, QL, QM, QN, QO, QP, QQ, QR, QS, QT, QU, QV, QW, QX, QY, QZ, RA, RB, RC, RD, RE, RF, RG, RH, RI, RJ, RK, RL, RM, RN, RO, RP, RQ, RR, RS, RT, RU, RV, RW, RX, RY, RZ, SA, SB, SC, SD, SE, SF, SG, SH, SI, SJ, SK, SL, SM, SN, SO, SP, SQ, SR, SS, ST, SU, SV, SW, SX, SY, SZ, TA, TB, TC, TD, TE, TF, TG, TH, TI, TJ, TK, TL, TM, TN, TO, TP, TQ, TR, TS, TU, TV, TW, TX, TY, TZ, UA, UB, UC, UD, UE, UF, UG, UH, UI, UJ, UK, UL, UM, UN, UO, UP, UQ, UR, US, UT, UV, UW, UX, UY, UZ, VA, VB, VC, VD, VE, VF, VG, VH, VI, VJ, VK, VL, VM, VN, VO, VP, VQ, VR, VS, VT, VU, VV, VW, VX, VY, VZ, WA, WB, WC, WD, WE, WF, WG, WH, WI, WJ, WK, WL, WM, WN, WO, WP, WQ, WR, WS, WT, WU, WV, WX, WY, WZ, XA, XB, XC, XD, XE, XF, XG, XH, XI, XJ, XK, XL, XM, XN, XO, XP, XQ, XR, XS, XT, XU, XV, XW, XX, XY, XZ, YA, YB, YC, YD, YE, YF, YG, YH, YI, YJ, YK, YL, YM, YN, YO, YP, YQ, YR, YS, YT, YU, YV, YW, YX, YZ, ZA, ZB, ZC, ZD, ZE, ZF, ZG, ZH, ZI, ZJ, ZK, ZL, ZM, ZN, ZO, ZP, ZQ, ZR, ZS, ZT, ZU, ZV, ZW, ZX, ZY, ZZ.

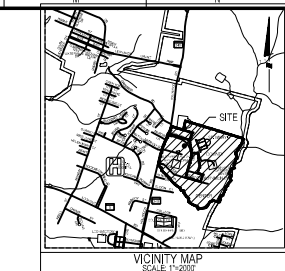
CONCEPT SITE PLAN ST. MARY'S COUNTY MODULAR UNIT ADDITION



SHEET INDEX table listing sheets 1 through 10 and their corresponding titles: COVER, SITE PLAN, SITE PLAN NOTES & DETAILS, STORMWATER MANAGEMENT PLAN, STORMWATER MANAGEMENT NOTES & DETAILS, DRAINAGE AREA MAPS, WATER & SEWER PLAN & PROFILES, LANDSCAPING PLAN DETAILS, EROSION & SEDIMENT CONTROL PLAN, SEMI-ANNUAL EROSION CONTROL NOTES & DETAILS.

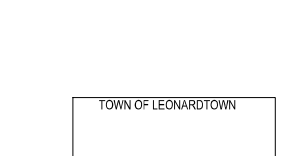
GENERAL NOTES

- 1. EXISTING UTILITIES: ALL EXISTING UTILITIES HAVE BEEN LOCATED FROM THE BEST AVAILABLE INFORMATION... 2. PROPOSED CONSTRUCTION: ALL CONSTRUCTION TO BE IN ACCORDANCE WITH THE LATEST STANDARDS AND SPECIFICATIONS... 3. SOILS: SOILS INDICATED ARE PER THE ST. MARY'S COUNTY SOIL SURVEY... 4. ENVIRONMENTAL: THE PROPOSED AREA OF DISTURBANCE SHOWN HEREON DOES NOT LIE WITHIN A FLOOD ZONE... 5. STORMWATER: STORMWATER DRAINAGE SHALL BE SMOOTH INTERIOR PIPE... 6. AN AGENCY APPROVED COPY OF THESE PLANS SHALL BE ON SITE AT ALL TIMES... 7. ALL DISTURBED AREAS THAT WILL NOT BE PAVED, GRADED, OR LANDSCAPED WILL BE STABILIZED... 8. DURING SEVERE STORMWATER MANAGEMENT AND/OR STORM DRAIN CONSTRUCTION... 9. CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE APPROVED PLANS AND ORDINANCES... 10. ALL GRADES, ELEVATIONS, EARTH QUANTITIES, ETC. ARE TO BE VERIFIED BY THE CONTRACTOR... 11. MAINTAINING SLOPES SHALL NOT BE GREATER THAN THREE (3) FEET HORIZONTAL TO ONE (1) FOOT VERTICAL... 12. WHEREVER DRAINAGE IS AWAY FROM THE CURB, REVERSE SLOPED OUTER CONFORMING TO THE PAVEMENT CROSS SLOPE SHALL BE PROVIDED... 13. WHERE PROPOSED ROAD CONSTRUCTION MEETS EXISTING PAVEMENT, THE LINE AND GRADE OF THE PROPOSED ROAD CONSTRUCTION SHALL BE ADJUSTED AS REQUIRED TO ENSURE POSITIVE DRAINAGE... 14. TRENCH BEDDING FOR STORM DRAINAGE PIPES AND ALL OTHER SHALL BE SHAPED AND COMPACTED... 15. THE TOWN OF LEONARDTOWN INSPECTORS ARE TO HAVE ONLY ACCESS TO ALL COMPACTED TEST DATA, RESULTS, PROTOTYPES, ETC... 16. THE EXISTING DATA SHOWN ON THESE PLANS IS FROM THE BEST SOURCES AVAILABLE... 17. UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS SHALL BE IN FEET AND INCHES.



SITE DATA TABLE with columns: ADDRESS, TOTAL AREA, SOIL TYPES, BUILDING DESCRIPTIONS, BUILDING HEIGHTS, FLOOR YARD SET BACK, REAR YARD SET BACK, TRAINING SPACES REQUIRED, PARKING SPACES PROVIDED, PARKING LANDSCAPING REQUIRED, PARKING LANDSCAPING PROVIDED.

LEGEND table listing symbols for EX. CONTOURS, PROP. CONTOURS, EX. TREE LINE, PROP. EDGE OF PAVEMENT, PROP. EDGE OF PAVEMENT, BENCHMARK NO. & LOCATION, EX. STORM DRAIN, PROP. STORM DRAIN, SUPER SILT FENCE, SALT FENCE, LIMITS OF DISTURBANCE, SOIL TYPE DIRECTION LINE, PROPERTY LINE.



Environmental Site Design (ESD) Selection

The topography, location, and other site constraints as outlined in the MDC design manual. Overall, the site provides a limit of disturbance of 0.68 acres (28,726 square feet) with a total of 0.25 acres of proposed impervious surface (15,279 square feet), which consists of the proposed building, parking, sidewalks, and some landscaping with additional paving. The development process is for the installation of a 6,347 square foot prefabricated modular unit as shown on the submitted site plan.

Annot notes: avoid standing water on the facility. ESD is being provided behind the detention center by means of a bio-swale. The area behind the detention also need to have enough length prior to existing steep slopes to qualify for disconnection credits. As a result, a 1x3-bio-swale was chosen to meet the 100' SWPT drainage area and topography grading limitations. The indicated staking calculation notes and summary table show the calculations used in order to meet the SWM requirements. The existing parking spaces, existing sidewalk and some of the existing driveway area are being treated under the proposed ESD (GVA).

The construction of the bio-swale will produce a limit of disturbance of 0.21 acres. The proposed bio-swale is sized to pass the 10' and 100-year storms and sized to handle the total catchment area of 0.68 acres (with 0.21 acres for a total of 0.87 acres). The sediment and erosion control practices outlined on the plan will be installed. The ESD practices for the ESD practices for the ESD practices installed without compromising the integrity of the ESD practices or the efficiency of the sediment control.

The total anticipated limit of disturbance for the dry day area facility is found to be 0.87 acres with 0.25 acres of proposed impervious surface that needs to be treated. The site contains 0.20 acre of soil requiring a P.E. value of 1.85 inches to be provided. The resulting ESD site target is found to be 2,340 cubic feet. A 175-foot-long bio-swale with a width of 60 inches is required. This is a 3.25-foot of filter media proposed along with 100' of 18 inch catch basins along the swale which will provide 2,433 cubic feet of ESD which will provide a P.E. value of 2.0 inches.

BENCHMARK DATA table with columns: Number, Description, Elevation. Includes points 1, 2, 3 with coordinates and elevations.

VERTICAL CONTROL REFERENCES table with columns: Number, Description, Elevation. Includes NAVD 88, M4D 19831991.

TOPOGRAPHICAL REFERENCES table with columns: Number, Description, Elevation. Includes M4D 19831991.

THE PLANIMETRIC AND/OR TOPOGRAPHIC INFORMATION SHOWN ON THIS PLAN IS BASED ON COPYRIGHTED GIS DATA FROM ST. MARY'S COUNTY AND FIELD RUN BY SOLTESZ INC. IN SEPTEMBER 2016 (FIELD UTILITIES IN MARCH 2019), AND MAY NOT BE COPIED OR REPRODUCED WITHOUT EXPRESS WRITTEN PERMISSION FROM ST. MARY'S COUNTY. ST. MARY'S COUNTY GIS DATA PROPRIETARY INFORMATION BELONGING EXCLUSIVELY TO ST. MARY'S COUNTY.

MISS UTILITY NOTE

INFORMATION CONCERNING EXISTING UNDERGROUND UTILITIES WAS OBTAINED FROM AVAILABLE RECORDS. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION AND DEPTH OF ALL EXISTING UTILITIES AND VERIFY CROSSINGS BY DIGGING TEST HOLES. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO EXISTING UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO EXISTING UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO EXISTING UTILITIES.

OWNER/DEVELOPER/APPLICANT table with columns: Name, Address, City, State, Zip. Includes James M. Gotsch, P.E., Leonardtown, Maryland 20686.

MAP table with columns: MAP, ZONING CATEGORY, MAP CATEGORY. Includes MAP 127, ZONING CATEGORY 5, MAP CATEGORY 5.

TAX MAP PARCEL table with columns: TAX MAP PARCEL, OWNER. Includes TAX MAP PARCEL 45, VICTORIA J. BOYLE ET AL.

SPOTS table with columns: SPOT, DATE, CHECKED. Includes SPOT 1, DATE 7/15/2020, CHECKED MDC.

DATE table with columns: DATE, CHECKED. Includes DATE 7/15/2020, CHECKED MDC.

DATE table with columns: DATE, CHECKED. Includes DATE 7/15/2020, CHECKED MDC.

SOLTESZ, INC. Logo and contact information: Lehnor Wolford, Leonardtown, Frederick, Soltesz & Co., LLC. WARDLOR OFFICE, 401 Post Office Road, Suite 103, Wardor, MD 20692, P. 301.870.2166, F. 301.870.2864.

SCD DATA BLOCK table with columns: Description, Value. Includes EARLY WORK QUANTITIES CUT + 600 CUBIC YARDS, DISTURBED AREA + 0.87 ACRES, PROPOSED BMP AREA + 0.26 ACRES, AREA TO BE VEGETATIVELY STABILIZED + 0.52 AC.

SITE TABULATION table with columns: Description, Value. Includes TOTAL SITE AREA 0.33 ACRES, TOTAL DISTURBED AREA 0.87 ACRES, NEW IMPERVIOUS AREA 0.26 ACRES, TOTAL CLEARED AREA 0.03 ACRES.

CONSULTANT'S CERTIFICATION: I certify that this Concept Erosion and Sediment Control and Stormwater Management Plan represents all significant natural resources based on my personal knowledge of the site, and that this plan was prepared in accordance with the requirements of the review agencies. I have reviewed this Concept Plan with the owner/developer.

Signature: REN R. CRANE, MD License # 2368, Date 5/9/2024. P/E Name: REN R. CRANE, MD License # 2368, Date 5/9/2024.

PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AM A LICENSED PROFESSIONAL ENGINEER UNDER THE JURISDICTION OF THE STATE OF MARYLAND. LICENSE NO. 2368, EXPIRATION DATE: 7/14/2026.

COVER SHEET: CONCEPT SITE PLAN ST. MARY'S COUNTY MODULAR UNIT ADDITION. THIRD (04) ELECTION DISTRICT, ST. MARY'S COUNTY, MARYLAND. PROJECT NO. 3741-01-00.