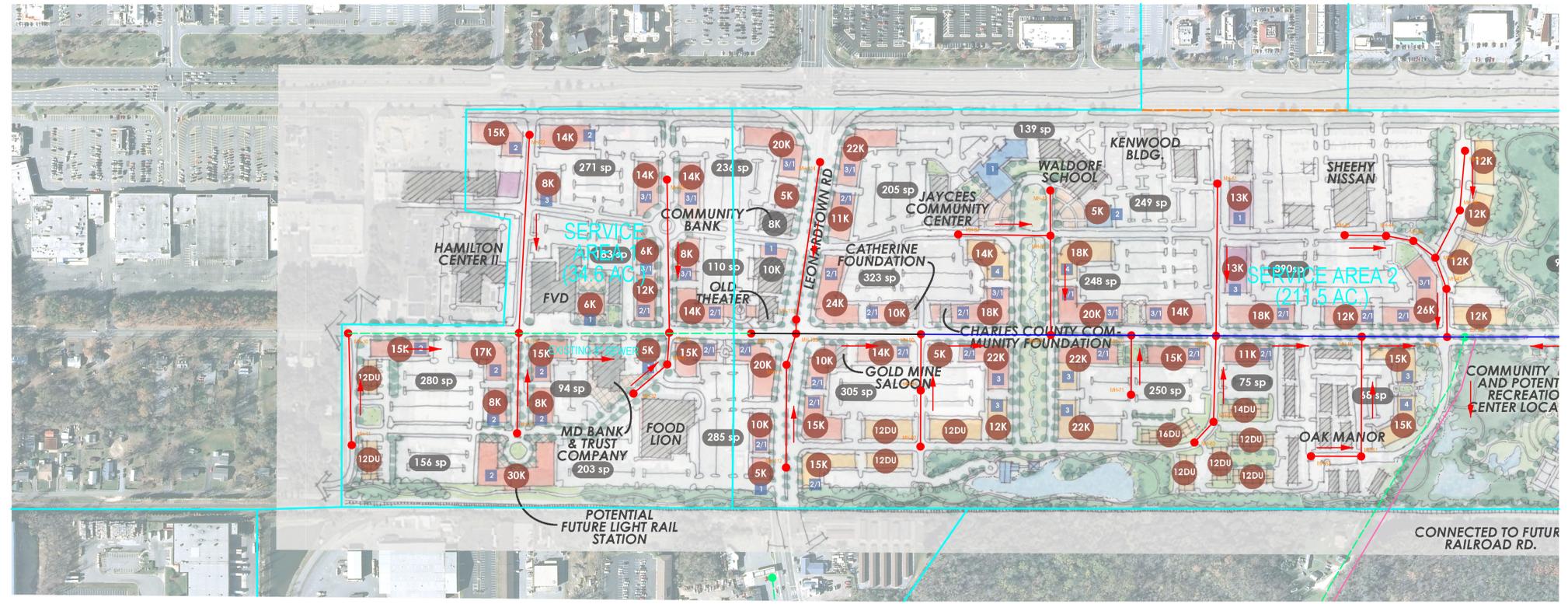
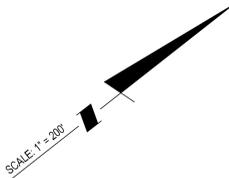


ASSUMES 100% WUDS BUILDOUT

LEGEND

- = SERVICE AREA BOUNDARY
- - - - = EXISTING SEWER MAIN
- - - - - - - - = EXISTING FORCE MAIN
- = PROPOSED JUNCTION
- = PROPOSED 8" SEWER MAIN
- = PROPOSED 10" SEWER MAIN
- = PROPOSED 12" SEWER MAIN
- = PROPOSED 14" SEWER MAIN
- = PROPOSED 16" SEWER MAIN
- = PROPOSED 20" SEWER MAIN
- = PROPOSED 24" SEWER MAIN
- = PROPOSED 26" SEWER MAIN
- = PROPOSED 28" SEWER MAIN
- = PROPOSED 30" SEWER MAIN
- = PROPOSED 36" SEWER MAIN
- - - - = LIMITS OF THE WUDS ZONING
- = FLOW ARROWS

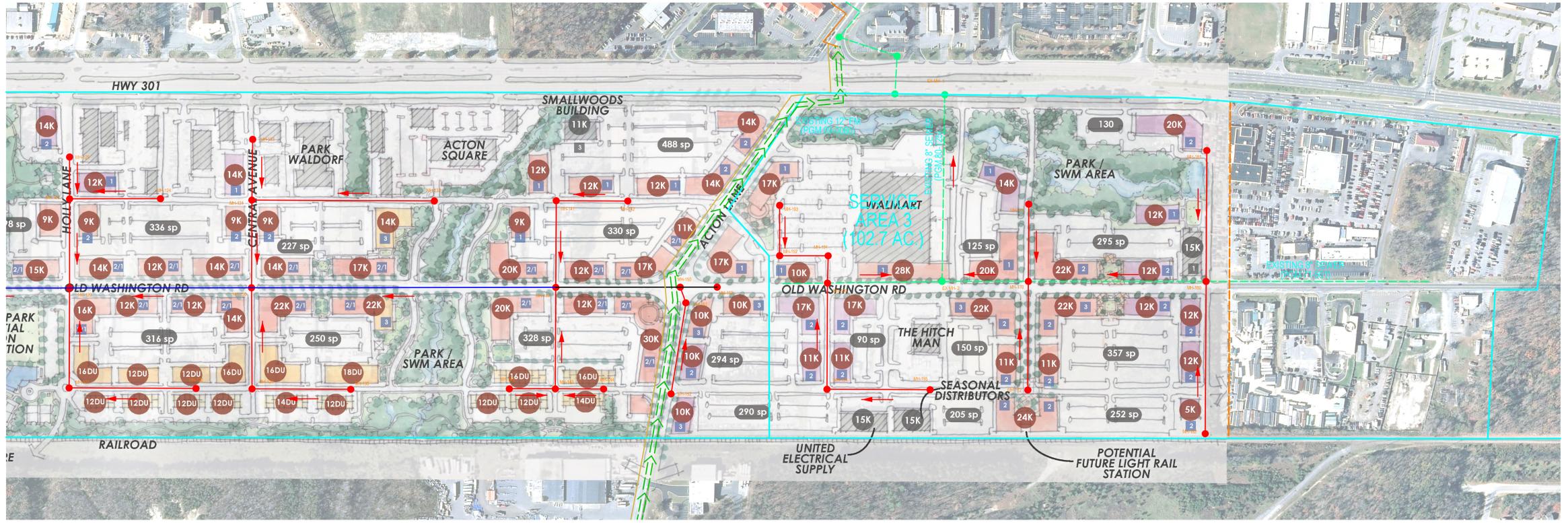


FOR CONTINUATION, SEE CONCEPTUAL OVERALL SANITARY SEWER NETWORK PLAN (SHEET 2)

FOR CONTINUATION, SEE CONCEPTUAL OVERALL SANITARY SEWER NETWORK PLAN (SHEET 2)

- NOTES:
1. LOCATIONS OF THE SANITARY SEWER SYSTEMS ARE FOR GRAPHICAL PURPOSES ONLY. FINAL LAYOUT OF ULTIMATE SANITARY SYSTEM IMPROVEMENTS WILL BE DETERMINED DURING THE ENGINEERING PHASE.
 2. THIS MAP WAS GENERATED TO ASSIST THE COUNTY IDENTIFY POTENTIAL LOCATIONS WHERE THE EXISTING SANITARY SEWER SYSTEM WOULD REQUIRE IMPROVEMENTS TO ACCOMMODATE THE DENSITY INCREASE ASSOCIATED WITH WURC.
 3. FINAL DETERMINATION OF THE UTILIZATION, REPLACEMENT, AND/OR ABANDONMENT OF THE EXISTING SANITARY SEWER SYSTEM WILL BE DETERMINED LATER DURING THE ENGINEERING PHASE.
 4. ANY PROPOSED PIPE DIAMETERS SHOWN HEREON ARE BASED UPON PROJECTED FLOW CAPACITY REQUIREMENTS. THE COUNTY HAS THE ABILITY, AT A LATER FINAL ENGINEERING DESIGN STAGE, TO ELECT TO MANAGE THESE PROJECTED FLOWS BY EITHER: (1) INSTALLATION OF A NEW UTILITY (BASED UPON APPROXIMATE DIAMETER SHOWN HEREON) OR (2) RETAINING EXISTING UTILITIES AND OPTING FOR A PROPOSED PARALLEL UTILITY SERVICE WITH A SMALL PIPE DIAMETER REQUIRED TO ACHIEVE EQUIVALENT FLOW CAPACITIES.

MATCHLINE A-A



FOR CONTINUATION, SEE CONCEPTUAL OVERALL SANITARY SEWER NETWORK PLAN (SHEET 2)

LS Loiderman Soltesz Associates, Inc.
 Rockville, Lanham, Waldorf, Leonardtown
 WARDORF OFFICE
 401 Post Office Road, Suite 103
 Waldorf, MD 20602
 t. 301.870.2166 f. 301.870.2884
 www.LSAssociates.net

NO.	DATE	REVISIONS	BY	DATE
DESIGNED:	SEPTEMBER 2012	CAD STANDARDS VERSION:	18 - 2008	
TECHNICIAN:	IJZ	CHECKED:	REC	

MISS UTILITY NOTE
 INFORMATION CONCERNING EXISTING UNDERGROUND UTILITIES WAS OBTAINED FROM AVAILABLE RECORDS. THE CONTRACTOR MUST DETERMINE THE EXACT LOCATION AND ELEVATION OF ALL EXISTING UTILITIES AND UTILITY CROSSINGS BY ENGINEERING TEST PITS BY HAND, WELL IN ADVANCE OF THE START OF EXCAVATION. CONTACT MISS UTILITY AT 1-800-477-8888 48 HOURS PRIOR TO THE START OF EXCAVATION. IF CLEARANCES ARE LESS THAN SHOWN ON THIS PLAN OR TWELVE (12) INCHES, WHOEVERS LESS, CONTACT THE ENGINEER AND THE UTILITY COMPANY BEFORE PROCEEDING WITH CONSTRUCTION. CLEARANCES LESS THAN NOTED MAY REQUIRE REVISIONS TO THIS PLAN.

OWNER/DEVELOPER/APPLICANT
 CHARLES COUNTY GOVERNMENT
 ATTN: STEVE BALL
 P. O. BOX 2100
 LA PLATA, MARYLAND 20646
 PHONE: 301-645-0540

MAP	WURC	GRID	W11	S1
ZONING CATEGORY:	WC1 AUC	GRID	W11	S1
TAX MAP	08.15	GRID	W11	S1
SITE DATUM	HORIZONTAL: NAD 83	GRID	LIBR	GRID
VERTICAL:	NGVD 88	GRID	XXXX	

PROFESSIONAL CERTIFICATION
 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. _____ EXPIRATION DATE: _____

CONCEPTUAL INTERNAL SANITARY SEWER NETWORK ULTIMATE CONDITIONS (100% BUILD OUT)

WALDORF URBAN REDEVELOPMENT CORRIDOR (WURC)
 SIXTH (6TH) ELECTION DISTRICT, CHARLES COUNTY, MARYLAND

LS
 EXHIBIT S.4
 PROJECT NO. 1256-05-0
 P:\1256\05\00\DCS\DESIGN\Sewer Analysis\EXH_wsd_data_100.shx Scale=200,000.0 ft / in. User=12apata Pl.TdrveColor.plt PntB=TEXT_SUB.RW 1/29/2013 3:10:02 PM