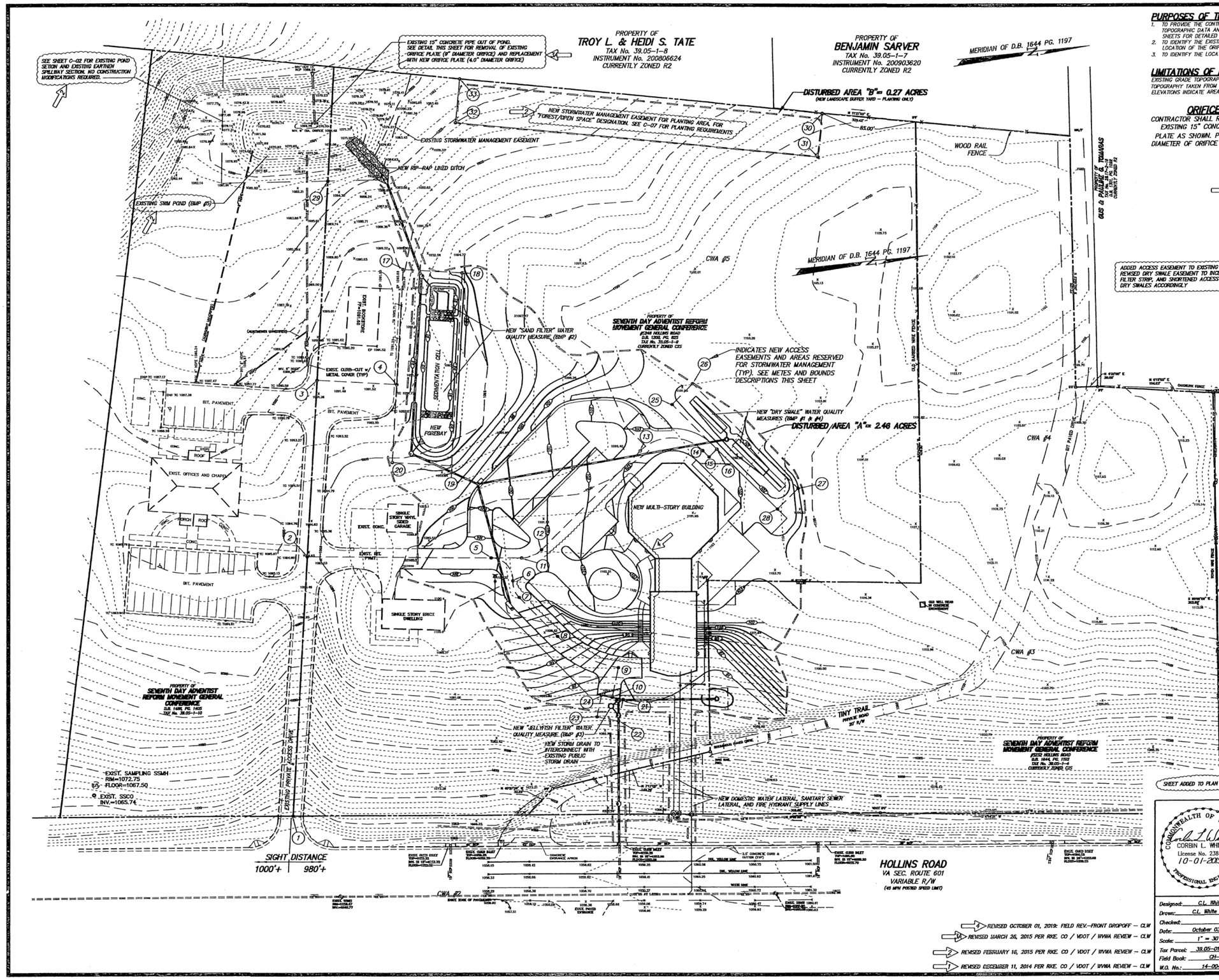


PURPOSES OF THIS PLAN SHEET

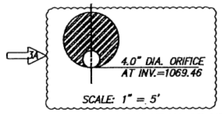
1. TO PROVIDE THE CONTRACTOR AND THE REVIEW AUTHORITIES WITH AN OVERVIEW OF THE EXISTING AND PROPOSED TOPOGRAPHIC DATA AND EXISTING AND PROPOSED IMPROVEMENTS ON THE SUBJECT PARCELS. SEE REMAINING SHEETS FOR DETAILED INFORMATION.
2. TO IDENTIFY THE EXISTING CONDITIONS OF THE CURRENT STORMWATER MANAGEMENT POND, AND TO SHOW THE LOCATION OF THE ORIFICE PLATE THAT IS TO BE REPLACED.
3. TO IDENTIFY THE LOCATIONS OF THE CURRENTLY PROPOSED WATER QUALITY BEST MANAGEMENT PRACTICES (BMP)

LIMITATIONS OF EXISTING GRADE TOPOGRAPHY SHOWN HEREON

EXISTING GRADE TOPOGRAPHY SHOWN HEREON IS A COMPOSITE OF CWA FIELD-RUN SURVEY DATA AND AERIAL TOPOGRAPHY TAKEN FROM THE WESTERN VIRGINIA WATER AUTHORITY'S GIS. AREAS SHOWN WITH EXISTING GRADE SPOT ELEVATIONS INDICATE AREAS OF ACTUAL GROUND SURVEY DATA.

ORIFICE PLATE REPLACEMENT AT EXISTING POND

CONTRACTOR SHALL REMOVE THE EXISTING STEEL ORIFICE PLATE FROM THE INLET END OF THE EXISTING 15" CONCRETE PIPE AT THE POND BOTTOM, AND REPLACE WITH A NEW ORIFICE PLATE AS SHOWN. PLATE SHALL BE CONSTRUCTED OF MIN. 3/8" THICK PLATE STEEL. OUTSIDE DIAMETER OF ORIFICE PLATE SHALL BE SIZED FOR INLET END OF EXISTING 15" CONCRETE PIPE. INSTALL WITH NON-SHRINK GROUT



TABULATION OF NEW AREAS RESERVED FOR STORMWATER MANAGEMENT AND ACCESS EASEMENTS TO THESE AREAS FROM THE PUBLIC RIGHT OF WAY

ADDED ACCESS EASEMENT TO EXISTING POND
REVISED DRY SWALE EASEMENT TO INCLUDE GRASS FILTER STRIP, AND SHORTENED ACCESS EASEMENT TO DRY SWALES ACCORDINGLY

CENTERLINE NEW 20' WIDE ACCESS EASEMENTS			
ACCESS EASEMENT TO NEW SAND FILTER			
1 TO 2	N 80°57'00" W		236.06'
2 TO 3	N 80°57'00" W		160.75'
3 TO 4	N 09°03'00" E		72.29'
ACCESS EASEMENT TO NEW JELLYFISH FILTER			
2 TO 5	N 06°19'33" E		166.85'
5 TO 6	DELTA=92°07'39"	R=20.00'	
	L=32.16'	CH: N 52°23'23" E, 28.80'	
6 TO 7	DELTA=46°51'55"	R=20.50'	
	L=16.77'	CH: N 75°01'15" E, 16.30'	
7 TO 8	N 51°35'17" E		49.59'
8 TO 9	DELTA=36°08'50"	R=100.00'	
	L=63.06'	CH: N 33°30'52" E, 62.02'	
9 TO 10	S 72°30'53"E		27.63'
ACCESS EASEMENT TO NEW DRY SWALES			
5 TO 11	N6°19'33"E		27.77'
11 TO 12	DELTA=45°38'37"	R=25.00'	
	L=19.92'	CH:N 16°29'45" W, 19.39'	
12 TO 13	N 39°19'04" W		126.77'
13 TO 14	DELTA=90°00'00"	R=40.00'	
	L=62.83'	CH:N 05°40'56" E, 56.57'	
14 TO 15	N 50°40'56" E		8.15'
15 TO 16	N 39°19'04" W		10.00'
ACCESS EASEMENT TO EXISTING SWM POND			
3 TO 29	N 80°57'00" W		180.18'

NEW 9,419 SF (0.2162 AC) AREA RESERVED FOR STORMWATER MANAGEMENT – SAND FILTER		
4 TO 17	N 80°57'00"W	104.13'
17 TO 18	N 09°03'00"E	53.82'
18 TO 19	S 80°57'00"E	175.00'
19 TO 20	S 09°03'00"W	53.82'
20 TO 4	N 80°57'00"W	70.87'

NEW 400 SF (0.0092 AC) AREA RESERVED FOR STORMWATER MANAGEMENT – MANUFACTURED BMP		
10 TO 21	N 17°29'07" E	10.00'
21 TO 22	S 72°30'53"E	20.00'
22 TO 23	S 17°29'07"W	20.00'
23 TO 24	N 72°30'53"W	20.00'
24 TO 10	N 17°29'07"E	10.00'

NEW 3,579 SF (0.0820 AC) AREA RESERVED FOR STORMWATER MANAGEMENT – DRY SWALES		
16 TO 25	S 50°40'56" W	57.53'
25 TO 26	N 39°19'04"W	26.50'
26 TO 27	N 50°40'56"E	135.07'
27 TO 28	S 39°19'04"E	26.50'
28 TO 16	S 50°40'56"W	77.54'

NEW 13,200 SF (0.3030 AC) AREA RESERVED FOR STORMWATER MANAGEMENT – FOREST/OPEN SPACE		
30 TO 31	S 78°39'00" E	40.00'
31 TO 32	S 11°21'00" W	330.00'
32 TO 33	N 78°39'00" W	40.00'
33 TO 30	N 11°21'00" E	330.00'

ADDED

SHEET ADDED TO PLAN SET

40' 20' 0' 40' 80'
1" = 40'
GRAPHIC SCALE

COMMONWEALTH OF VIRGINIA
CORBIN L. WHITE
License No. 23843
10-01-2019
PROFESSIONAL ENGINEER

EXISTING CONDITIONS AND PROJECT OVERVIEW
FOR
SEVENTH DAY ADVENTIST REFORM MOVEMENT GENERAL CONFERENCE
SHOWING CONSTRUCTION OF A NEW CHAPEL FACILITY AND ASSOCIATED PARKING
SITUATE 5232 / 5248 HOLLINS ROAD, NE
HOLLINS MAGISTERIAL DISTRICT
COUNTY OF ROANOKE, VIRGINIA

Designed:	C.L. White
Drawn:	C.L. White
Checked:	
Date:	October 03, 2014
Scale:	1" = 30'
Tax Parcel:	39.05-01-09.00
Field Book:	CH-8
W.O. No.:	14-0046

REVISED OCTOBER 01, 2019: FIELD REV.-FRONT DROPOFF – CLW
REVISED MARCH 26, 2015 PER RKE. CO / VDOT / WVWA REVIEW – CLW
REVISED FEBRUARY 16, 2015 PER RKE. CO / VDOT / WVWA REVIEW – CLW
REVISED DECEMBER 11, 2014 PER RKE. CO / VDOT / WVWA REVIEW – CLW

CWA
CALDWELL WHITE ASSOCIATES
ENGINEERS / SURVEYORS / PLANNERS
4203 MELROSE AVENUE
P.O. BOX 6280
ROANOKE, VIRGINIA 24017-0280
(540) 366-3400
FAX: (540) 366-8702

SHEET C-04 OF 16

R.K. Ottinger PR#1
ROANOKE COUNTY APPROVED REVISION
11/5/2019