



CLUSTER 2 ENTRANCE ROAD FROM HEIDEN ROAD SCALE: 1" = 60'-0"

7	OLD	GLS	11/17/17	REVISE F.F. ELEVATIONS.
6	JES	GLS	9/6/17	REV. HOUSE, UTILITIES & GRADING
5	OLD	GLS	6/30/17	REV. HOUSE, UTILITIES & GRADING
4	OLD	GLS	1/29/16	UPDATE DRAINAGE & GRADING.
3	MLZ	GLS	12/13/14	REVISED STORM TREATMENT FROM PONDS TO GREEN TECHNIQUES.
2	OLD	GLS	5/9/14	MISC. REVISIONS.
1	OLD	GLS	9/30/11	UPDATE STORM DRAINAGE.
REV.	DR.	CK.	DATE	DESCRIPTION

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**GRADING & DRAINAGE PLAN - CLUSTER 2**

**RALEIGH AND HEIDEN PROPERTIES**  
 HEIDEN ROAD AND PARK HOUSE ROAD  
 (T)FALLSBURG • SULLIVAN COUNTY • NEW YORK

DATE	FEBRUARY 10, 2011	SHEET NO.	
REVISION		SCALE	1" = 60'-0"
DRAWN	OLB	CHECKED	GLS
JOB NO.	12-016	OF SHEETS	2A

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- NOTES:
1. WATERSHED BOUNDARIES BY BERGER ENGINEERING AND SURVEYING, PLLC.
  2. POST CONSTRUCTION WATER QUALITY FACILITIES BY BERGER ENGINEERING AND SURVEYING, PLLC.

SWALE DESCRIPTION:  
 L = LENGTH IN FEET  
 BW = BOTTOM WIDTH IN FEET  
 SS = SIDE SLOPE IN RISE : RUN  
 D = DEPTH IN FEET

RAIN GARDENS FOR ALL ROOF AND DRIVEWAY RUNOFF: 15 SF RAIN GARDEN FOR EACH 800 SF OF ROOF AND 50 SF EACH 700 SF OF DRIVEWAY. DIRECT ROOF AND DRIVEWAY RUNOFF TO SWALES AND DOWNSPOUTS (TYP)

NO RAIN GARDENS OR BIORETENTION ALLOWED WITHIN 200 FT OF WELLS

BIORETENTION FOR SHUL BUILDING AND PARKING: 200 SF (TYP)

VEGETATED SWALES (GRASS) FOR ROADS (TYP)

4" PRECAST CONCRETE SWALE

SWALE 2A: EXISTING NATURAL SWALE

SWALE 2B: EXISTING NATURAL SWALE

SWALE 2C: EXISTING NATURAL SWALE

SWALE 2D: EXISTING NATURAL SWALE

SWALE 2E: EXISTING NATURAL SWALE

SWALE 2F: EXISTING NATURAL SWALE

SWALE 2G: EXISTING NATURAL SWALE

SWALE 2H: EXISTING NATURAL SWALE

SWALE 2I: EXISTING NATURAL SWALE

SWALE 2J: EXISTING NATURAL SWALE

SWALE 2K: EXISTING NATURAL SWALE

SWALE 2L: EXISTING NATURAL SWALE

SWALE 2M: EXISTING NATURAL SWALE

SWALE 2N: EXISTING NATURAL SWALE

SWALE 2O: EXISTING NATURAL SWALE

SWALE 2P: EXISTING NATURAL SWALE

SWALE 2Q: EXISTING NATURAL SWALE

SWALE 2R: EXISTING NATURAL SWALE

SWALE 2S: EXISTING NATURAL SWALE

SWALE 2T: EXISTING NATURAL SWALE

SWALE 2U: EXISTING NATURAL SWALE

SWALE 2V: EXISTING NATURAL SWALE

SWALE 2W: EXISTING NATURAL SWALE

SWALE 2X: EXISTING NATURAL SWALE

SWALE 2Y: EXISTING NATURAL SWALE

SWALE 2Z: EXISTING NATURAL SWALE