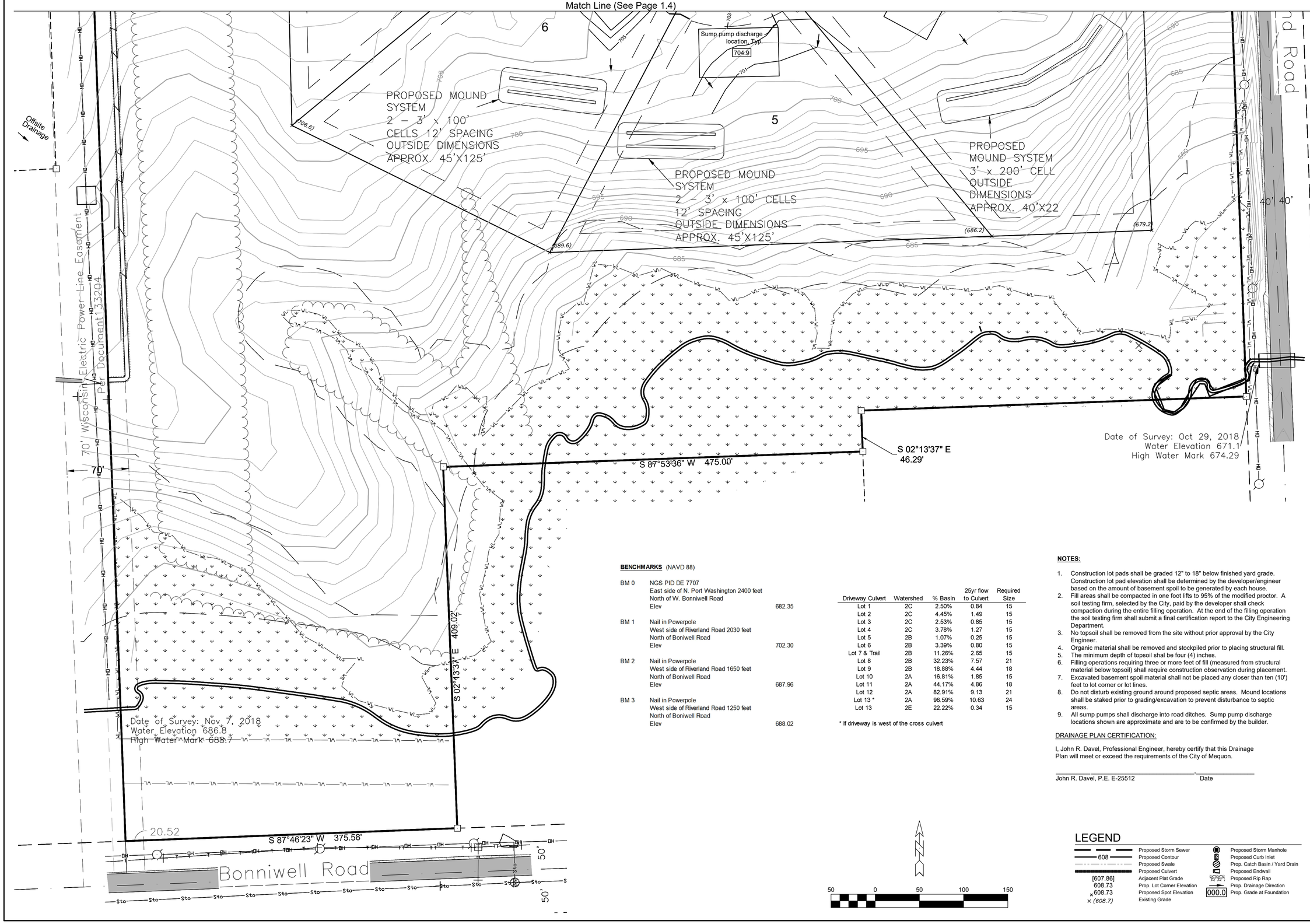

BENCHMARKS (NAVD 88)

BM 0	NGS PID DE 7707 East side of N. Port Washington 2400 feet North of W. Bonniwell Road Elev	682.35
BM 1	Nail in Powerpole West side of Riverland Road 2030 feet North of Boniwell Road Elev	702.30
BM 2	Nail in Powerpole West side of Riverland Road 1650 feet North of Boniwell Road Elev	687.96
BM 3	Nail in Powerpole West side of Riverland Road 1250 feet North of Boniwell Road Elev	688.02

Driveway Culvert	Watershed	% Basin	25yr flow to Culvert	Required Size
Lot 1	2C	2.50%	0.84	15
Lot 2	2C	4.45%	1.49	15
Lot 3	2C	2.53%	0.85	15
Lot 4	2C	3.78%	1.27	15
Lot 5	2B	1.07%	0.25	15
Lot 6	2B	3.39%	0.80	15
Lot 7 & Trail	2B	11.26%	2.65	15
Lot 8	2B	32.23%	7.57	21
Lot 9	2B	18.88%	4.44	18
Lot 10	2A	16.81%	1.85	15
Lot 11	2A	44.17%	4.86	18
Lot 12	2A	82.91%	9.13	21
Lot 13 *	2A	96.59%	10.63	24
Lot 13	2E	22.22%	0.34	15

* If driveway is west of the cross culvert

NOTES:

1. Construction lot pads shall be graded 12" to 18" below finished yard grade. Construction lot pad elevation shall be determined by the developer/engineer based on the amount of basement spoil to be generated by each house.
2. Fill areas shall be compacted in one foot lifts to 95% of the modified proctor. A soil testing firm, selected by the City, paid by the developer shall check compaction during the entire filling operation. At the end of the filling operation the soil testing firm shall submit a final certification report to the City Engineering Department.
3. No topsoil shall be removed from the site without prior approval by the City Engineer.
4. Organic material shall be removed and stockpiled prior to placing structural fill.
5. The minimum depth of topsoil shal be four (4) inches.
6. Filling operations requiring three or more feet of fill (measured from structural material below topsoil) shall require construction observation during placement.
7. Excavated basement spoil material shall not be placed any closer than ten (10') feet to lot corner or lot lines.
8. Do not disturb existing ground around proposed septic areas. Mound locations shall be staked prior to grading/excavation to prevent disturbance to septic areas.
9. All sump pumps shall discharge into road ditches. Sump pump discharge locations shown are approximate and are to be confirmed by the builder.

DRAINAGE PLAN CERTIFICATION:

I, John R. Davel, Professional Engineer, hereby certify that this Drainage Plan will meet or exceed the requirements of the City of Mequon.

_____ _____
John R. Davel, P.E. E-25512 Date

50 0 50 100 150

LEGEND

Proposed Storm Sewer	Proposed Storm Manhole
608 Proposed Contour	Proposed Curb Inlet
Proposed Swale	Prop. Catch Basin / Yard Drain
Proposed Culvert	Proposed Endwall
[607.86] Adjacent Plat Grade	Proposed Rip Rap
608.73 Prop. Lot Corner Elevation	Prop. Drainage Direction
×608.73 Proposed Spot Elevation	000.0 Prop. Grade at Foundation
× (608.7) Existing Grade	

DAVEL ENGINEERING & ENVIRONMENTAL, INC.
CIVIL ENGINEERING CONSULTANTS
1811 Racine Street Menasha, WI 54952
Ph: 920-991-1666 Fax: 920-830-9595
www.davel.pro

6/5/2020 9:26 AM J:\Projects\5211fnl\cwg\Civil 3D\5211engr.dwg Printed by: eric

DRAINAGE & GRADING PLAN

Riverland Estates

City of Mequon, Ozaukee County, WI
For: KKD, LLC

Date: 06/4/2020
Filename: 521 1engr.dwg
Author: JRD
Last Saved by: eric
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