

I HEREBY CERTIFY THAT THIS ENGINEERING DOCUMENT WAS PREPARED BY ME OR UNDER MY DIRECT PERSONAL SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF IOWA.

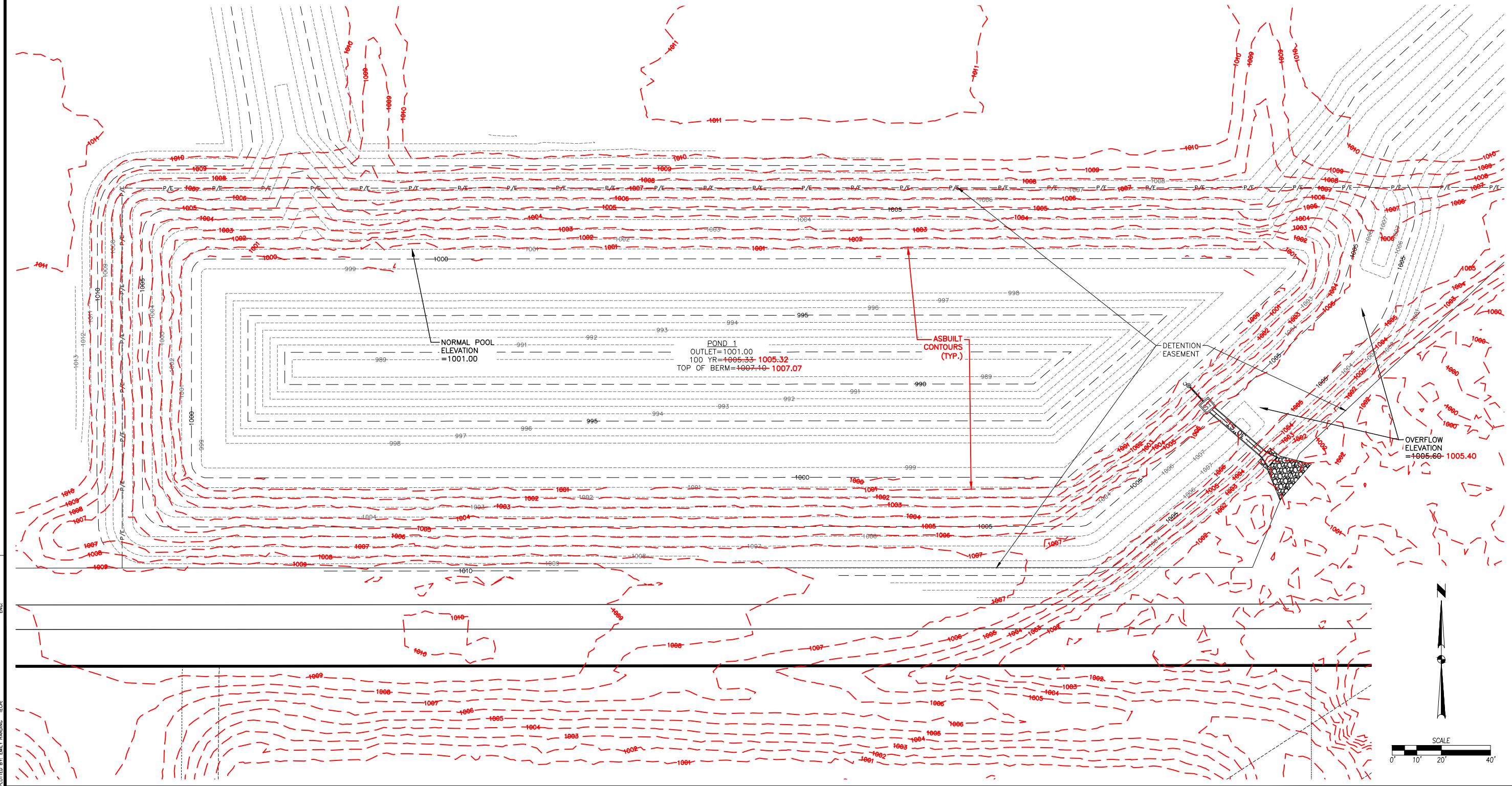
Emily Harding 4/24/2024
 EMILY N. HARDING, P.E. DATE

LICENSE NUMBER 19972
 MY LICENSE RENEWAL DATE IS DECEMBER 31, 2025
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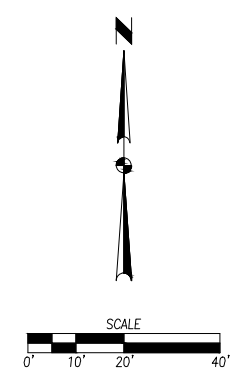
AS-BUILT POND STORAGE - POND 1			
ELEVATION	AREA_SF	INCREMENTAL STORAGE_CF	TOTAL STORAGE_CF
1000.80	16		
1000.99	16	3	3
1001.00	41,109	206	209
1002.00	44,997	43,053	43,262
1003.00	49,002	46,999	90,261
1004.00	53,750	51,376	141,637
1005.00	58,292	56,021	197,658
1006.00	63,568	60,930	258,588

1. AS-BUILT 100-YEAR ELEVATION = 1005.32

NOTE:
 PROPOSED POND 1 REQUIRED 216,963 CF OF STORAGE AT ELEVATION = 1005.33 PER STORM WATER MANAGEMENT PLAN TITLED "ALDER POINT", DATED AUGUST 22, 2022.



FILE: H:\2021\2108-40\2108-40-POND-AS-BUILT.DWG
 COMMENTS: PLOTTED: 4/24/2024 5:39 PM
 PLOTTED BY: EMILY HARDING



DATE: 4/24/2024

REVISIONS:

4121 NW URBANDALE DRIVE
 URBANDALE, IA 50322
 PHONE: (515) 369-4400

TECH: _____

ENGINEER: _____

WAUKEE, IOWA

ESA
 CIVIL DESIGN ADVANTAGE


ALDER POINT
 AS-BUILT POND EXHIBIT

1/2
 2108.640

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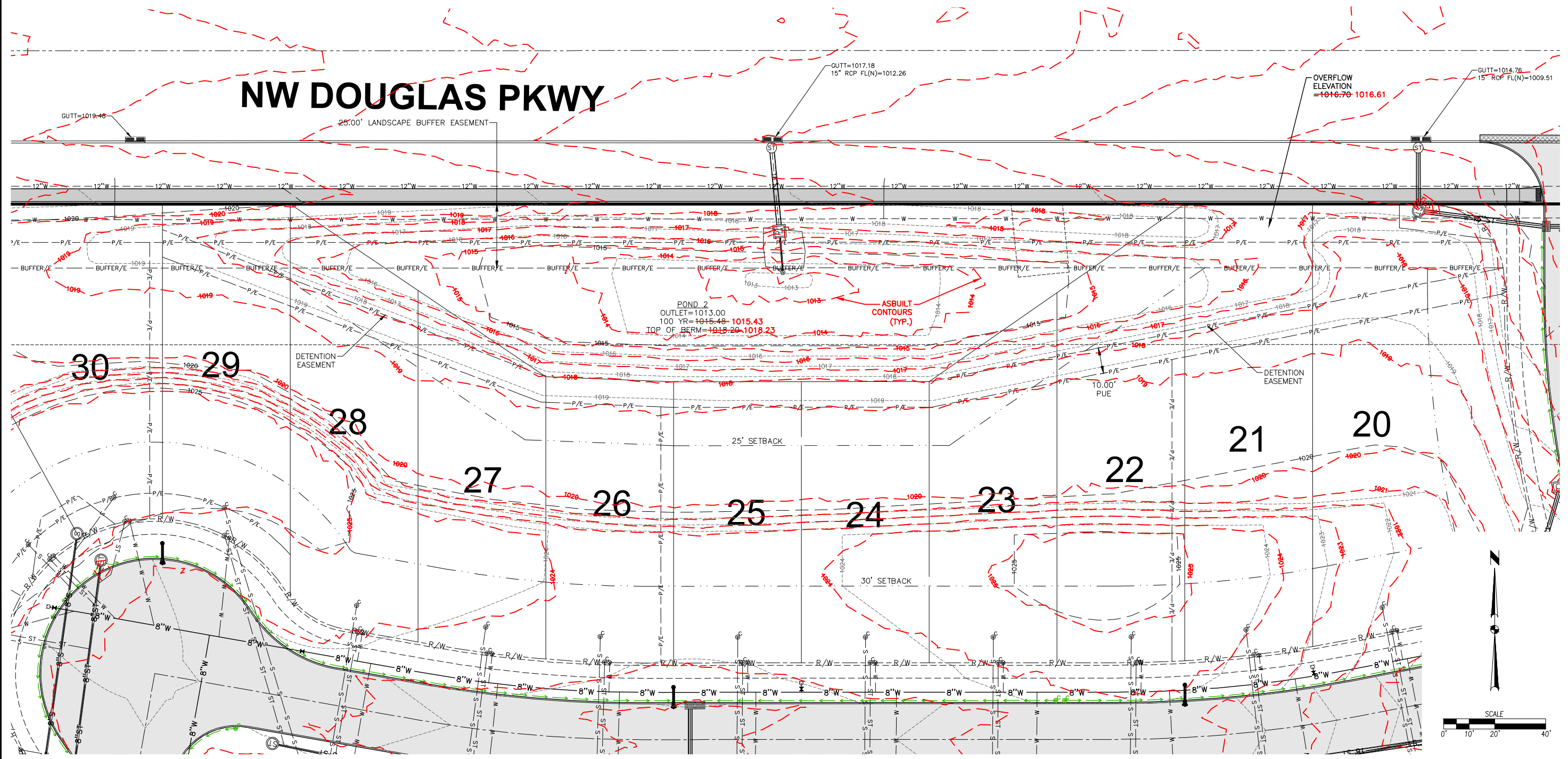
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AS-BUILT POND STORAGE - POND 2			
ELEVATION	AREA, SF	INCREMENTAL STORAGE, CF	TOTAL STORAGE, CF
1013.00	593	-	-
1014.00	4,169	2,381	2,381
1015.00	12,888	6,397	8,778
1016.00	15,231	10,756	19,534

1. AS-BUILT 100-YEAR ELEVATION = 1015.43

NOTE:
 PROPOSED POND 2 REQUIRED 12,236 CF OF STORAGE AT ELEVATION = 1015.48
 PER STORM WATER MANAGEMENT PLAN TITLED "ALDER POINT", DATED AUGUST 22, 2022.



FILE: H:\2021\210840\ALDER-POINT-AS-BUILT\DWG AS-BUILT.DWG
 COMMENT: DWG
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