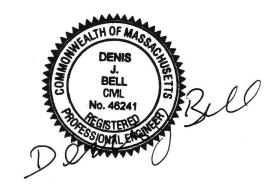
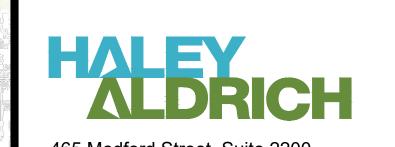


OLD DUCK POND DAM BREACH

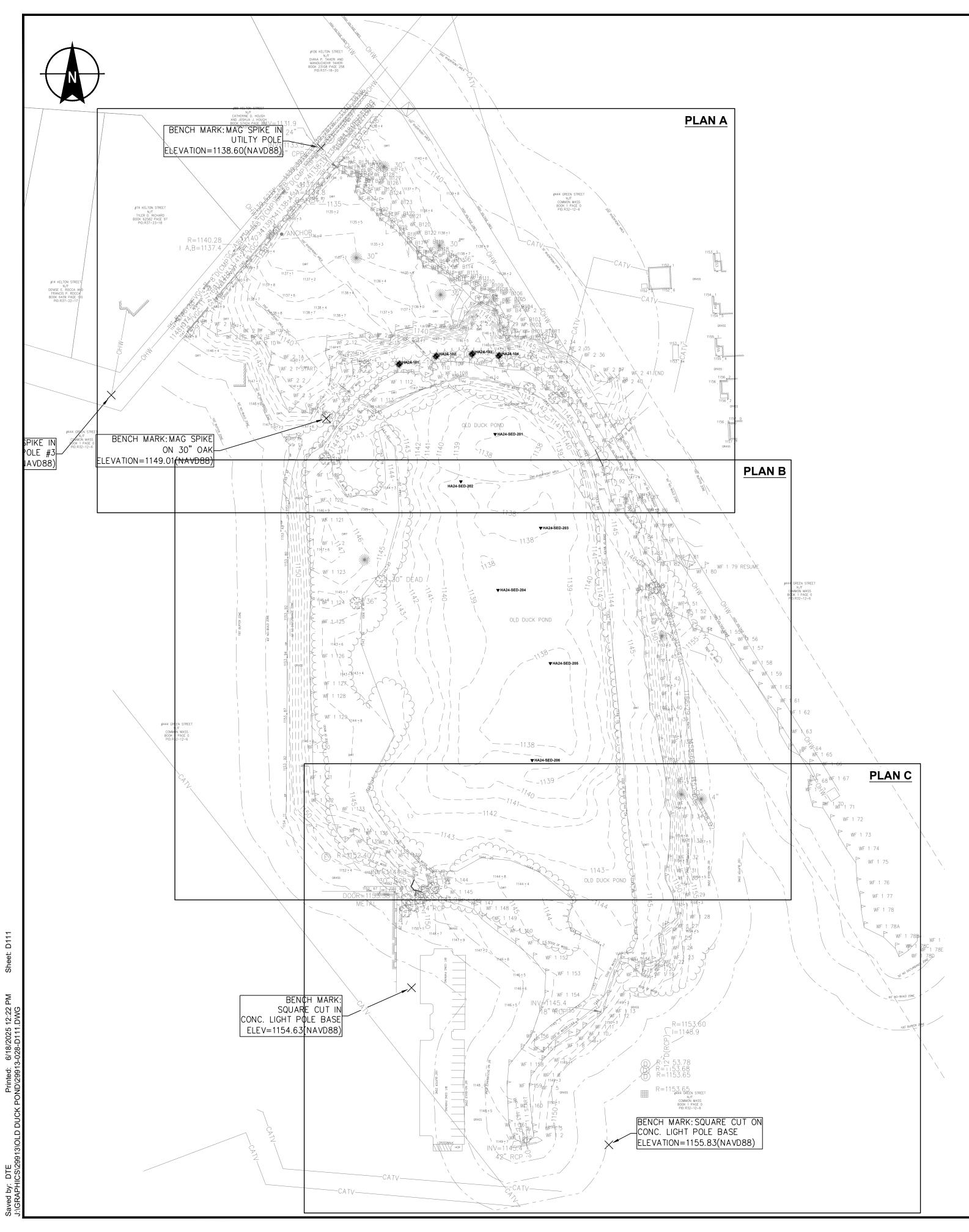






465 Medford Street, Suite 2200 Boston, MA 02129-1400 Tel: 617.886.7400 www.haleyaldrich.com

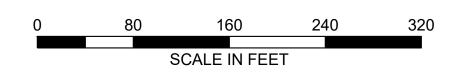
Gardner, Massachusetts 30 May 2025 for Mount Wachusett Community College 444 Green Street Gardner, Massachusetts NID: MA02784



		Index of Drawings
Drawing	Sheet No.	Drawing Title
C-1	1	COVER SHEET
C-2	2	INDEX AND KEY PLA
C-3	3	GENERAL PLAN
C-4A	4	EXISTING CONDITIO
C-4B	5	EXISTING CONDITIO
C-4C	6	EXISTING CONDITIO
C-5	7	EROSION CONTROL
C-6	8	WATER CONTROL PI
C-7	9	DEMOLITION PLAN
C-8	10	LAYOUT AND GRADII
C-9	11	CULVERT LAYOUT
C-10	12	CULVERT PLAN AND
C-11	13	CULVERT SECTION
C-12	14	GUARD RAIL DETAIL
C-13A	15	PLANTING PLAN A
C-13B	16	PLANTING PLAN B
C-13C	17	PLANTING PLAN C
C-14	18	PLANTING DETAILS



- BASE PLAN FOR THIS DRAWING OBTAINED FROM A SITE SURVEY COMPLETED BY NITSCH ENGINEERING FOR GENSLER. CAD DRAWING PROVIDED TO HALEY & ALDRICH ON 6 NOVEMBER 2024 IN CAD DRAWING FILE TITLED "15784.2_DUCK POND_GARDNER-TOPO_11-06-2024.dwg"
- 2. ELEVATIONS ARE PROVIDED IN FEET AND REFERENCE THE NORTH AMERICAN VERTICAL DATUM 1988 (NAVD88).

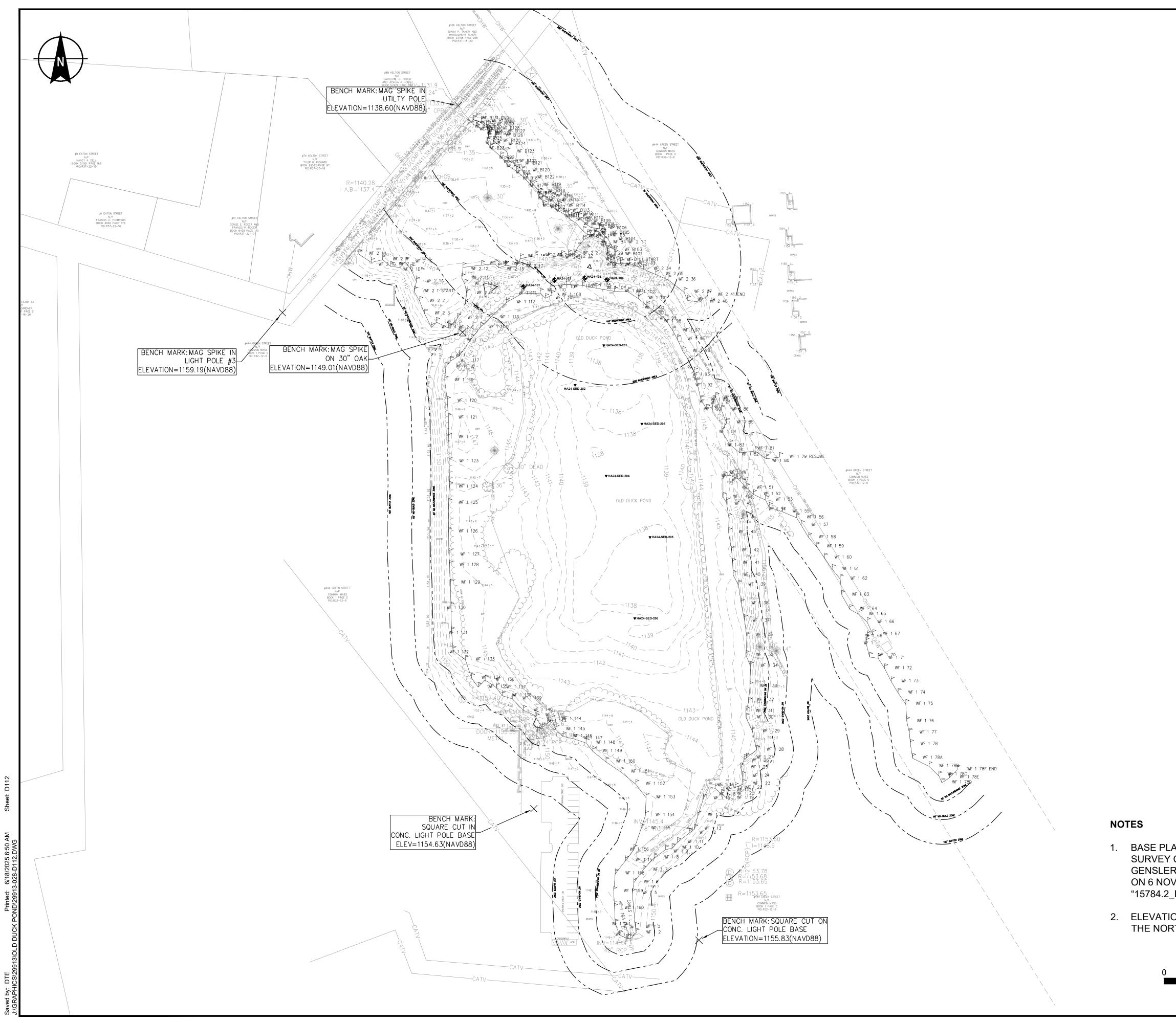


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HALEY & ALDRICH, INC. 465 Medford Street, Suite 2200 Boston, MA 02129-1400 Tel: 617.886.7400 www.haleyaldrich.com
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1 PERMIT SET DJB 1/9/2023 Rev. Description By Date OLD DUCK POND DAM
1 PERMIT SET DJB 1/9/2025 Rev. Description By Date OLD DUCK POND DAM BREACH

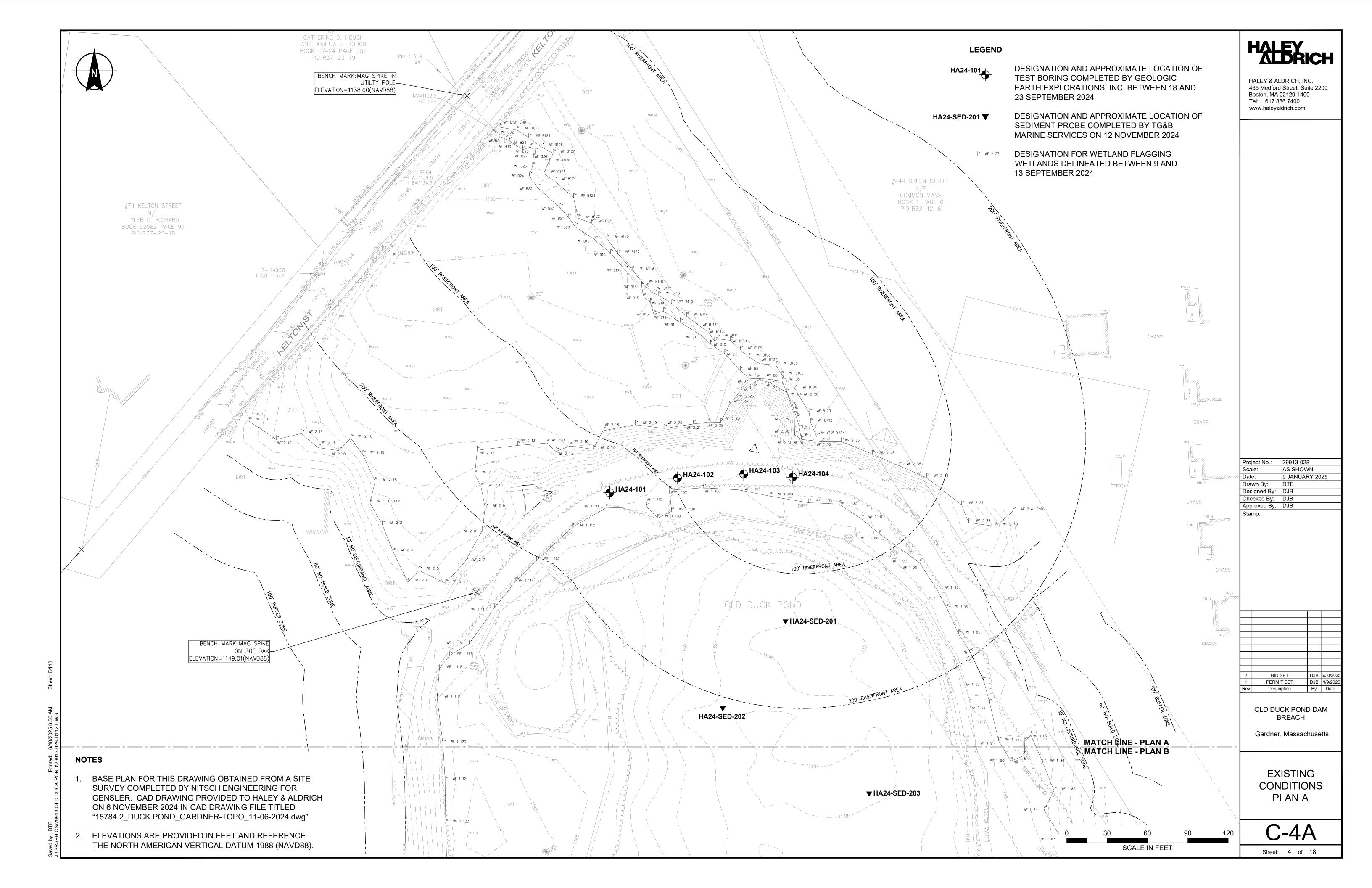


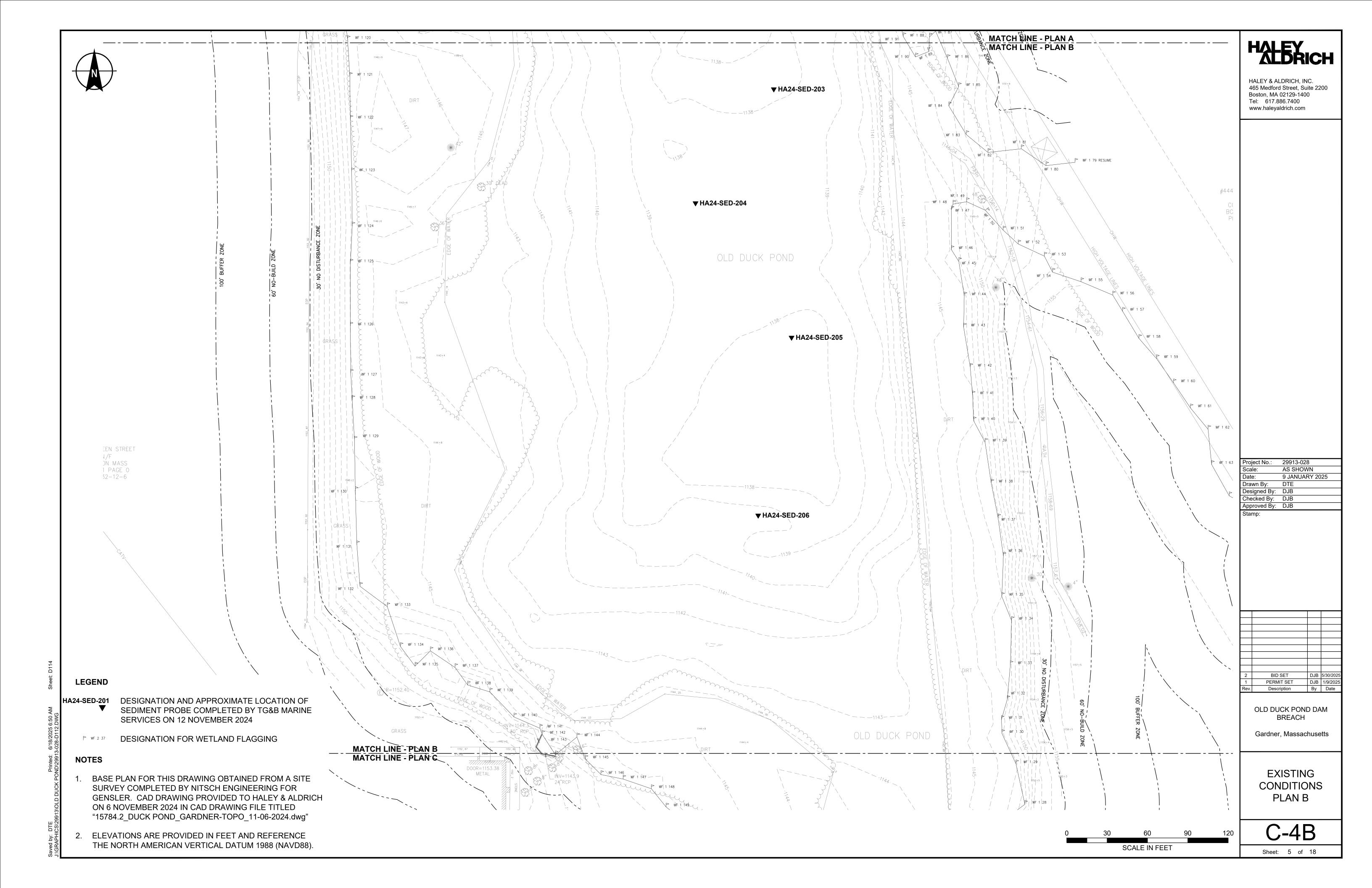
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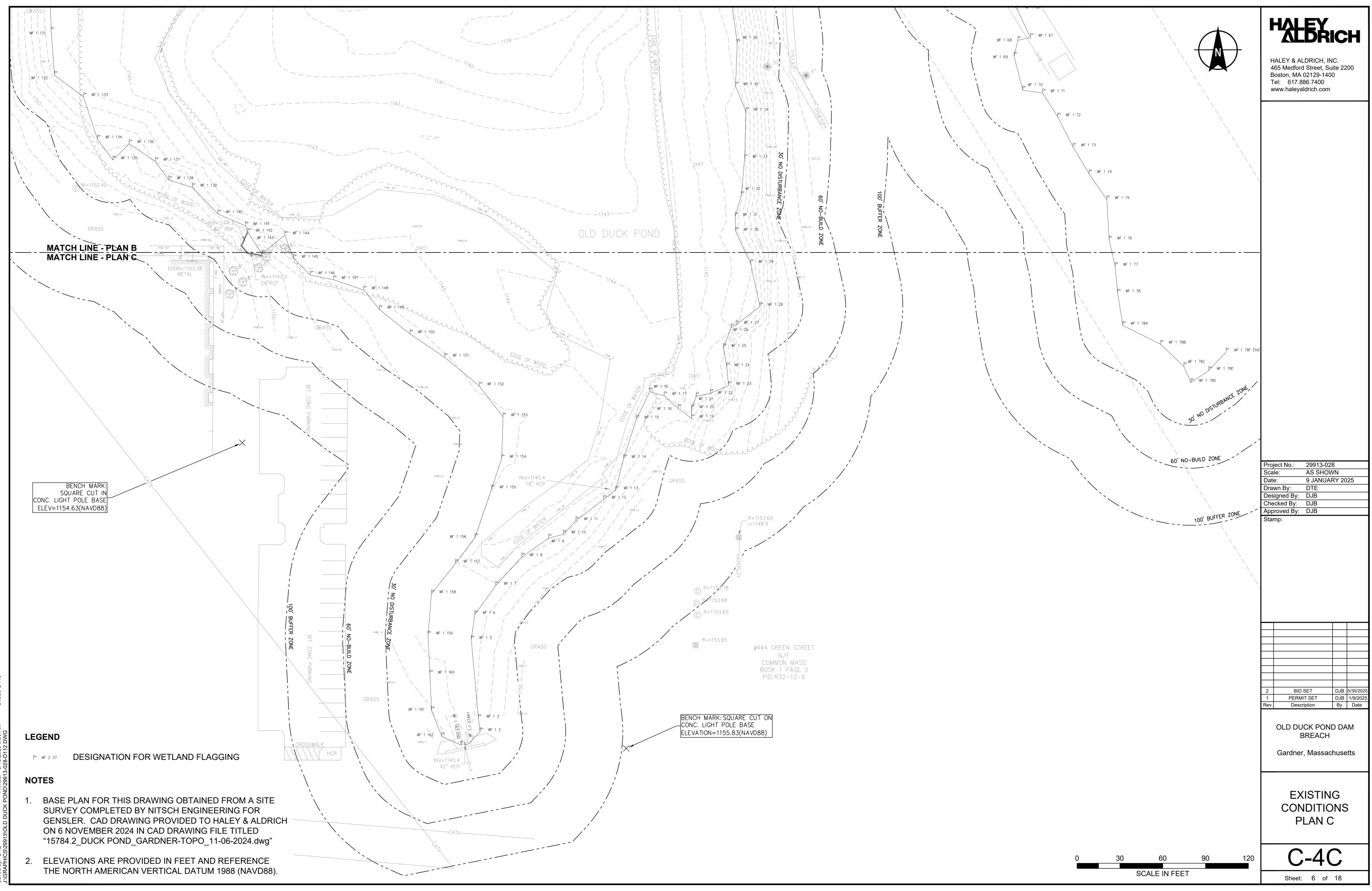
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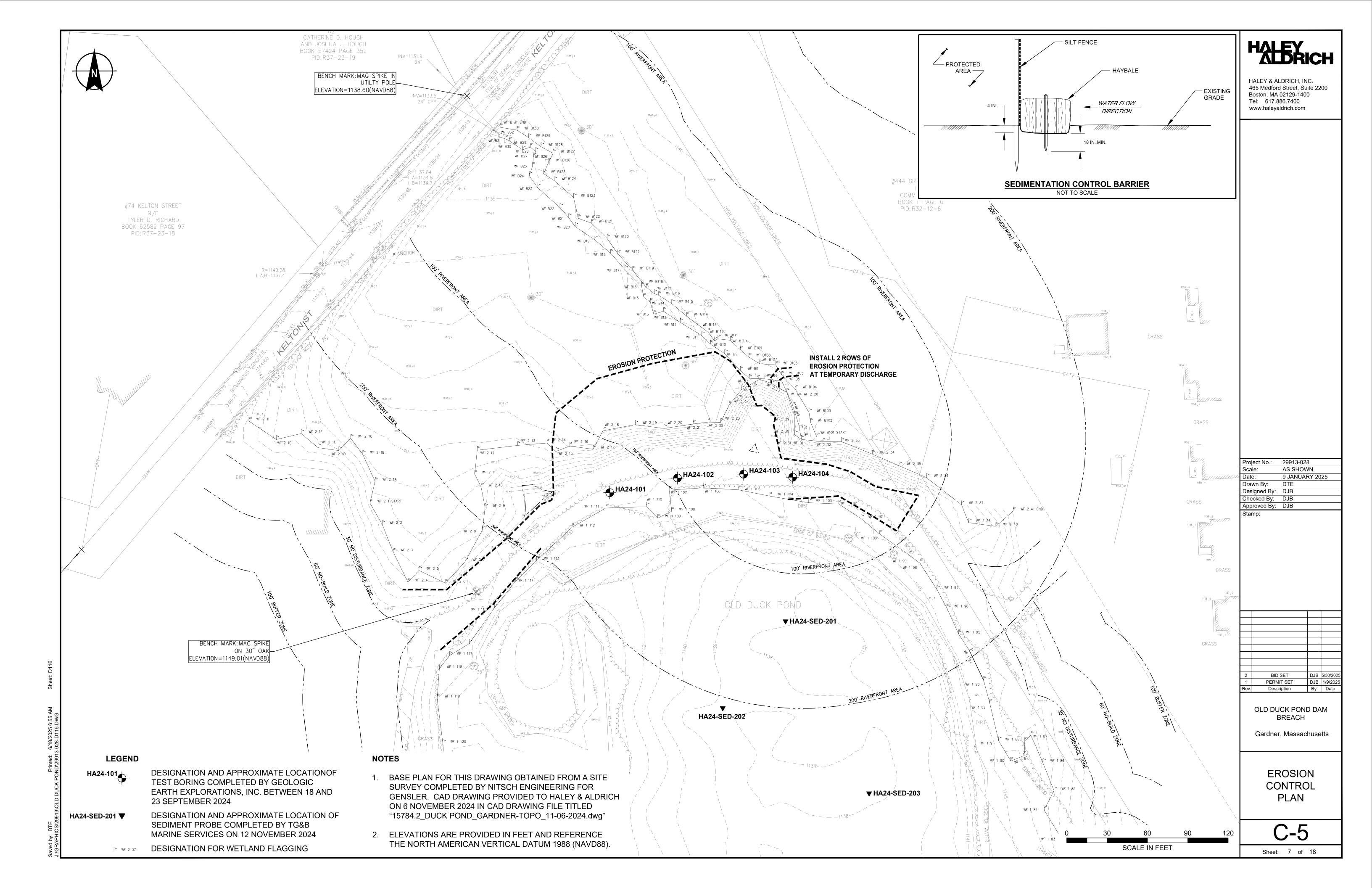
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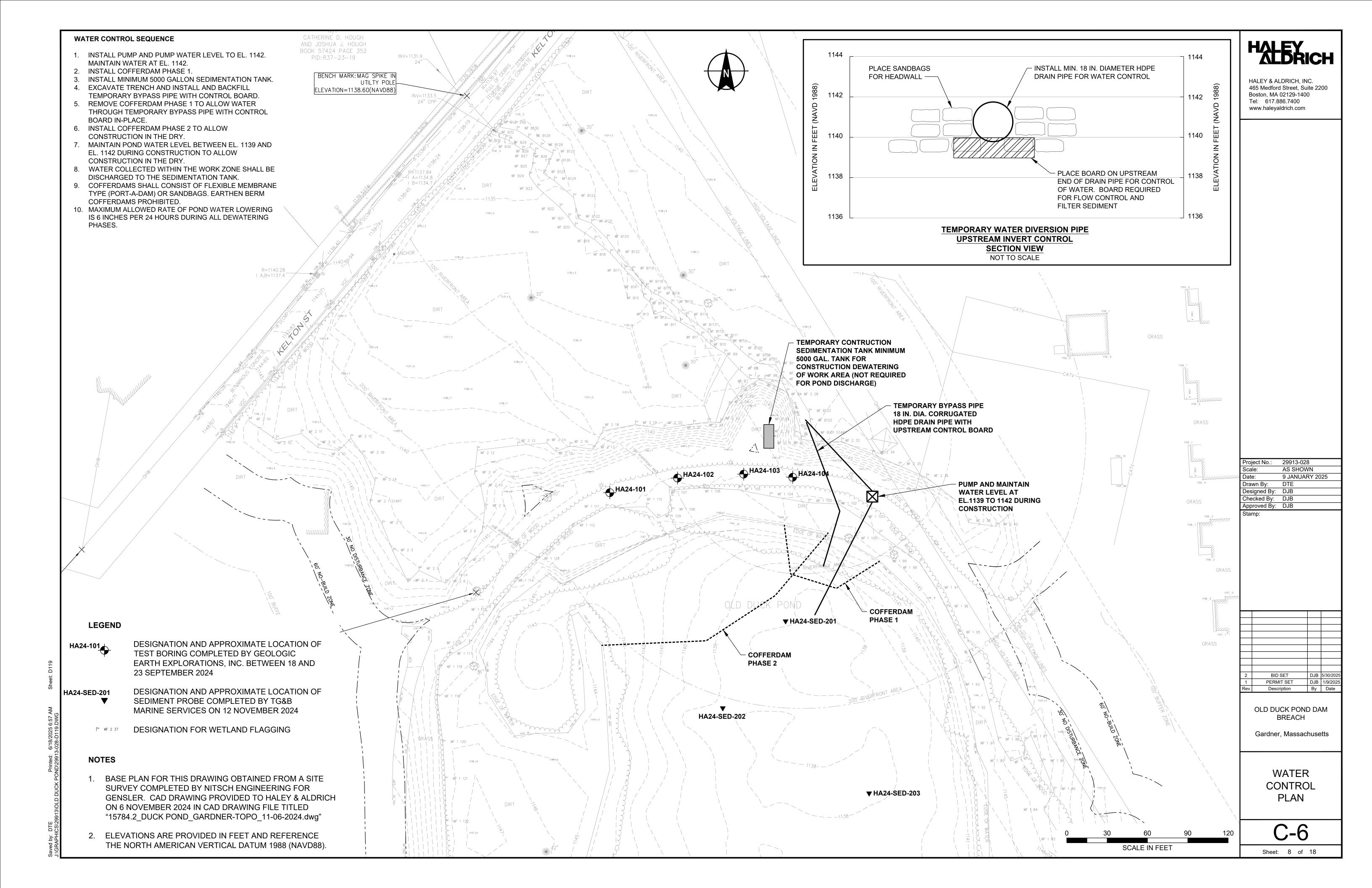


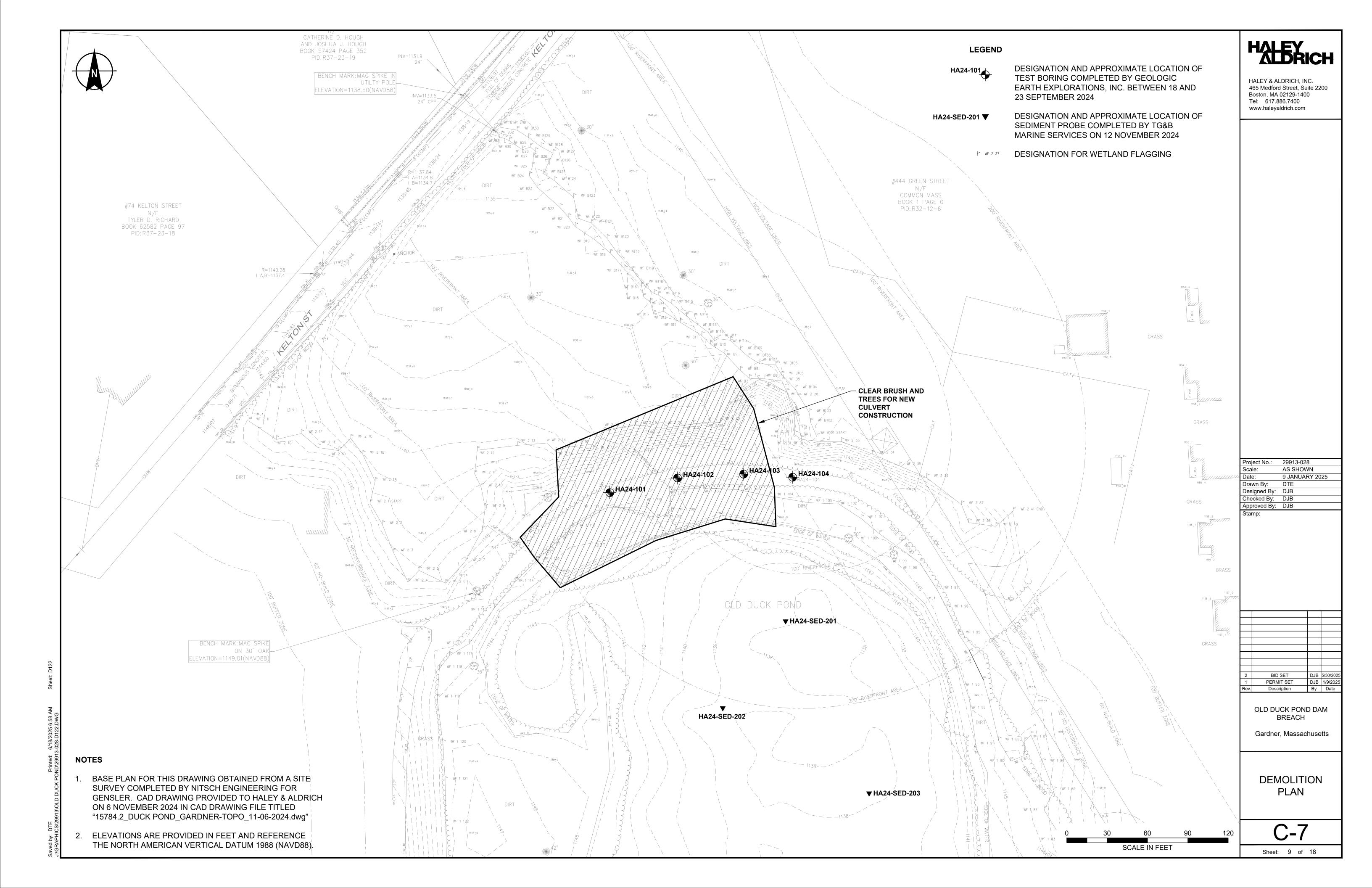


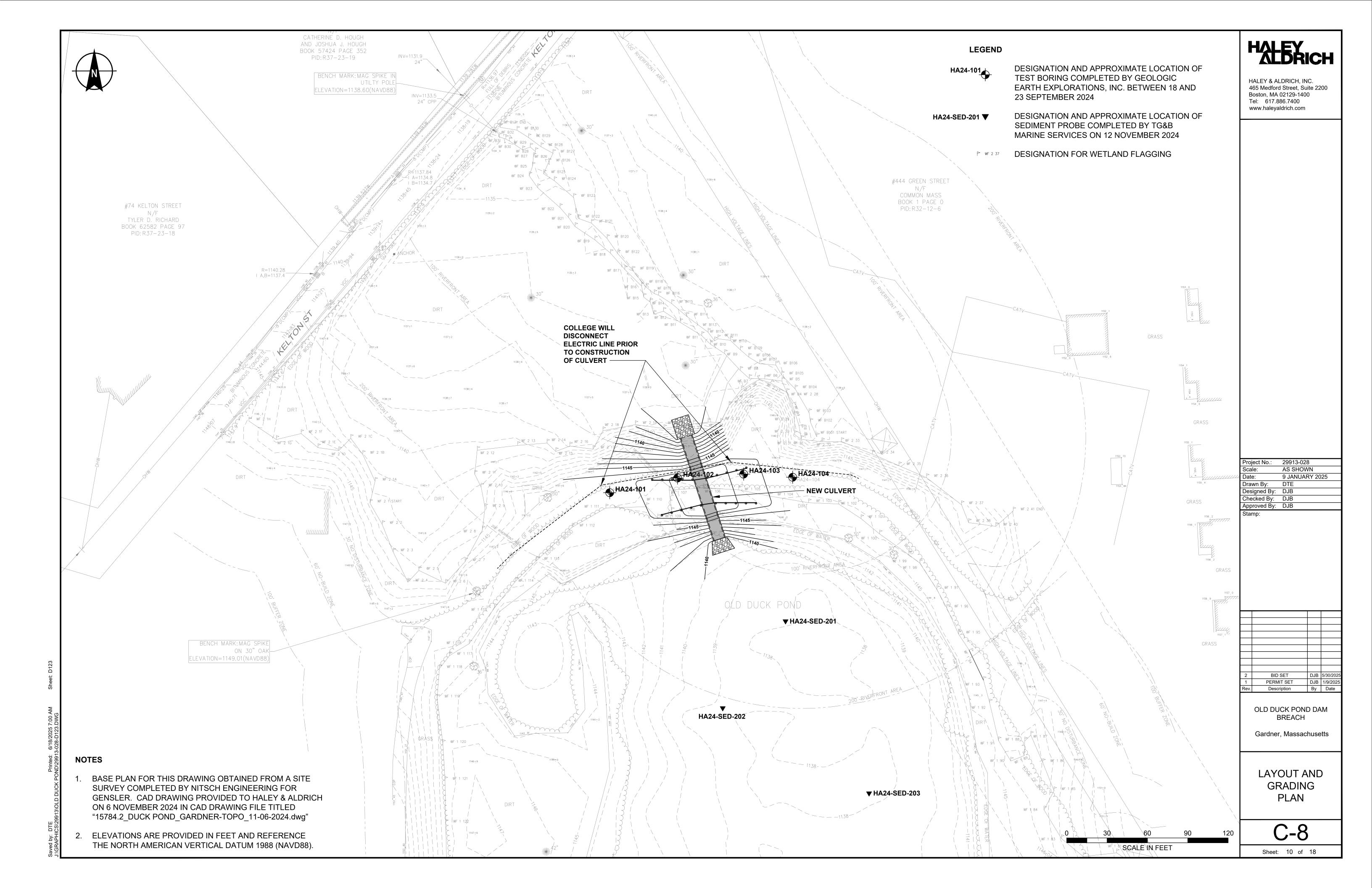


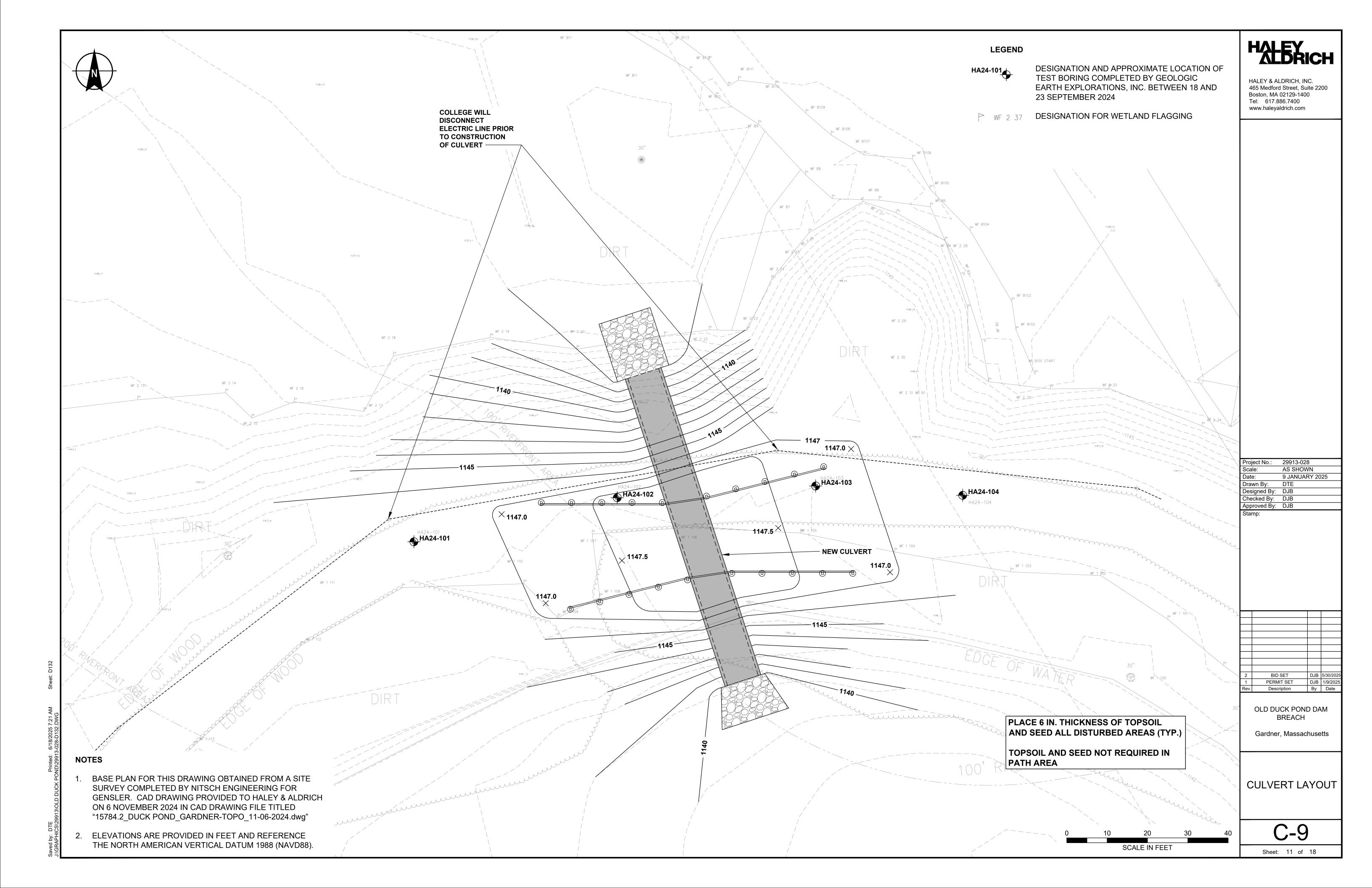
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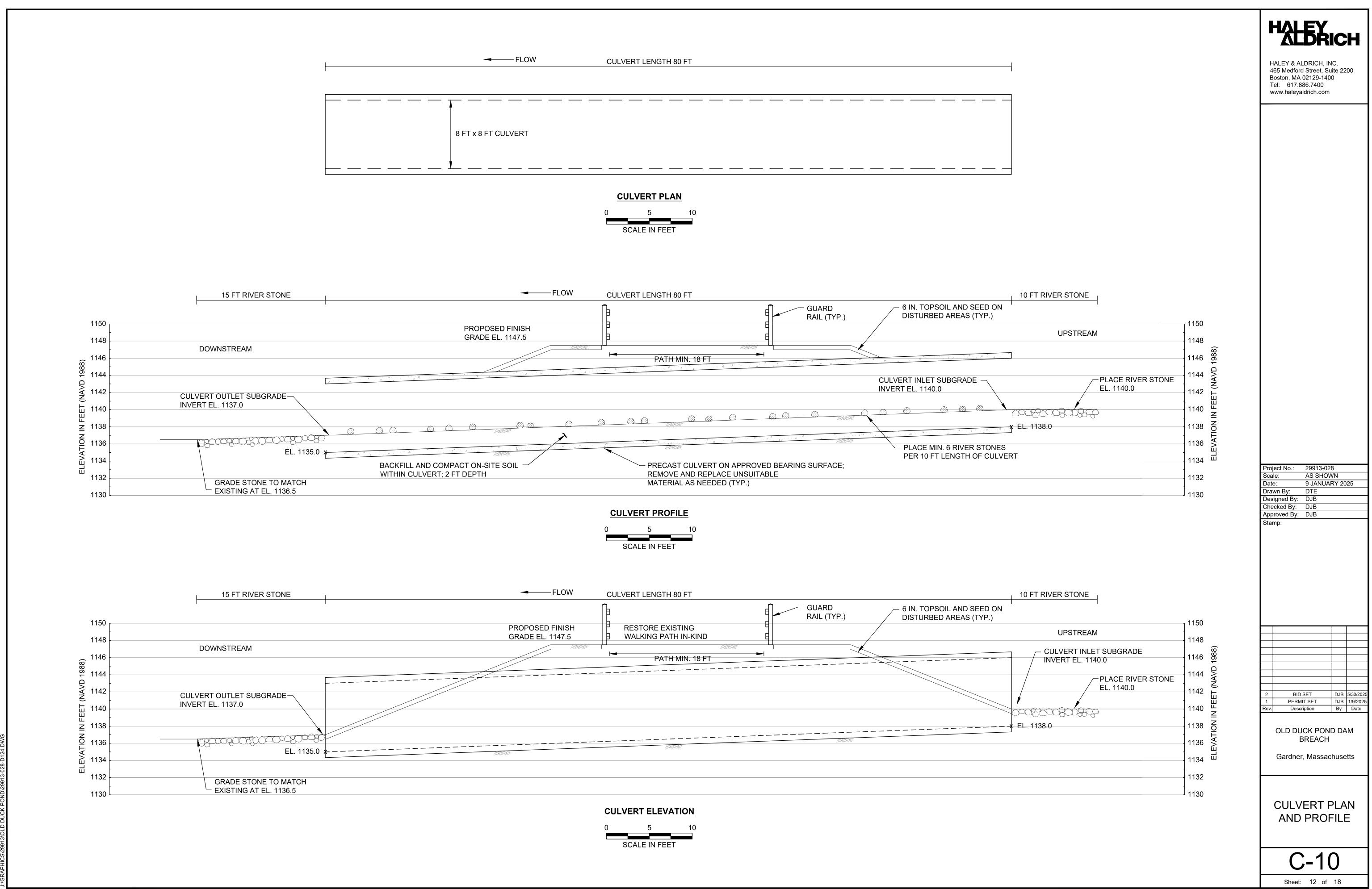


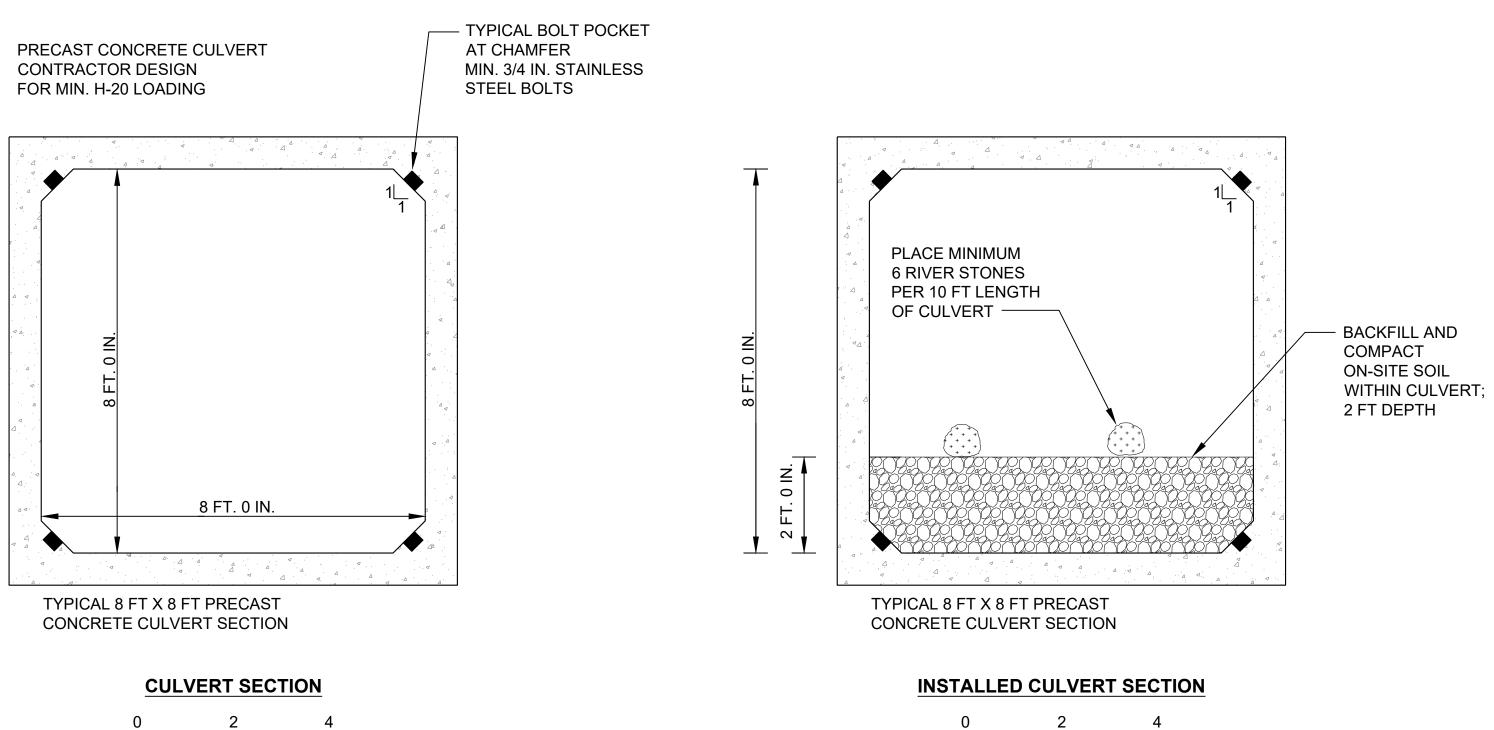








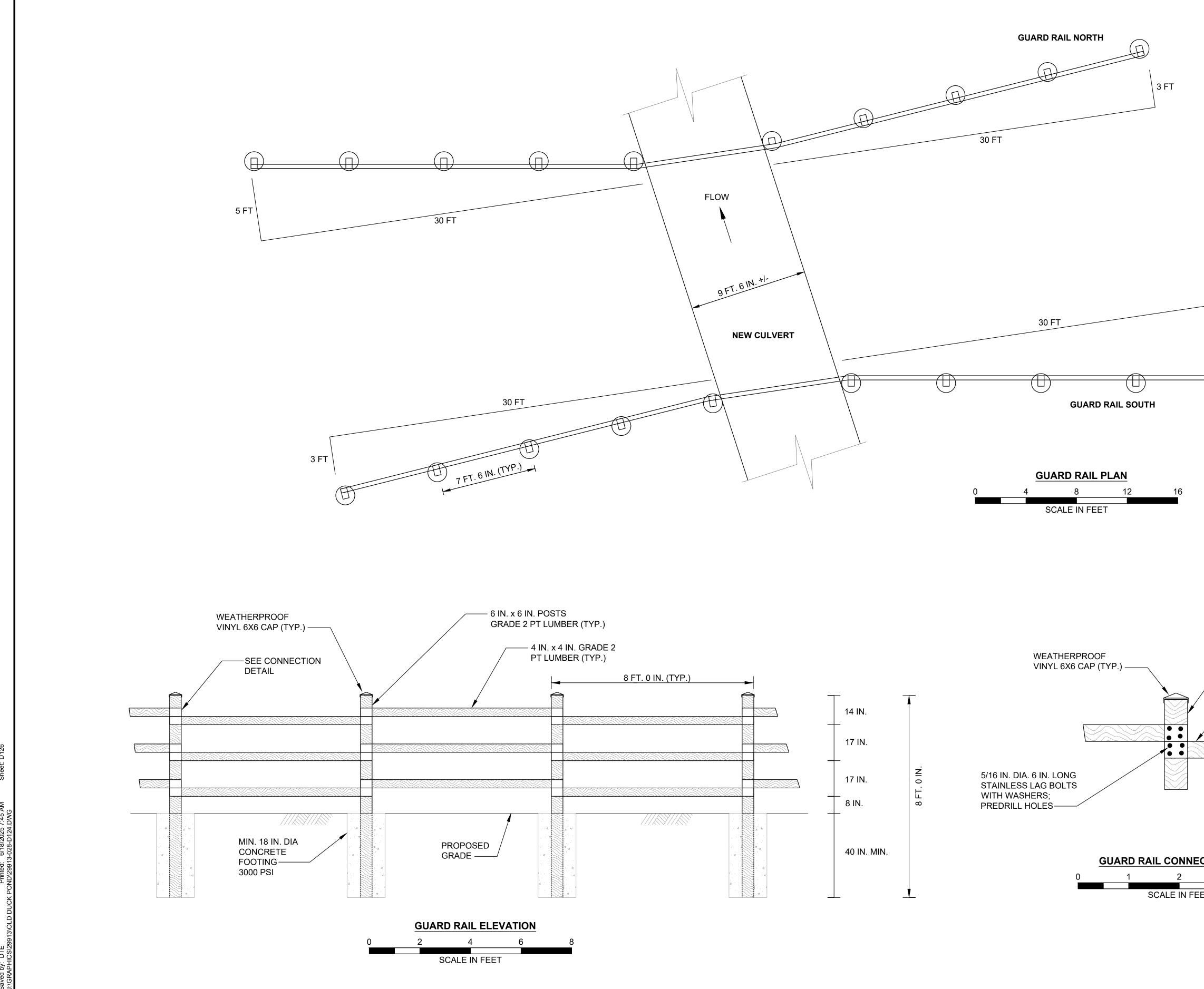




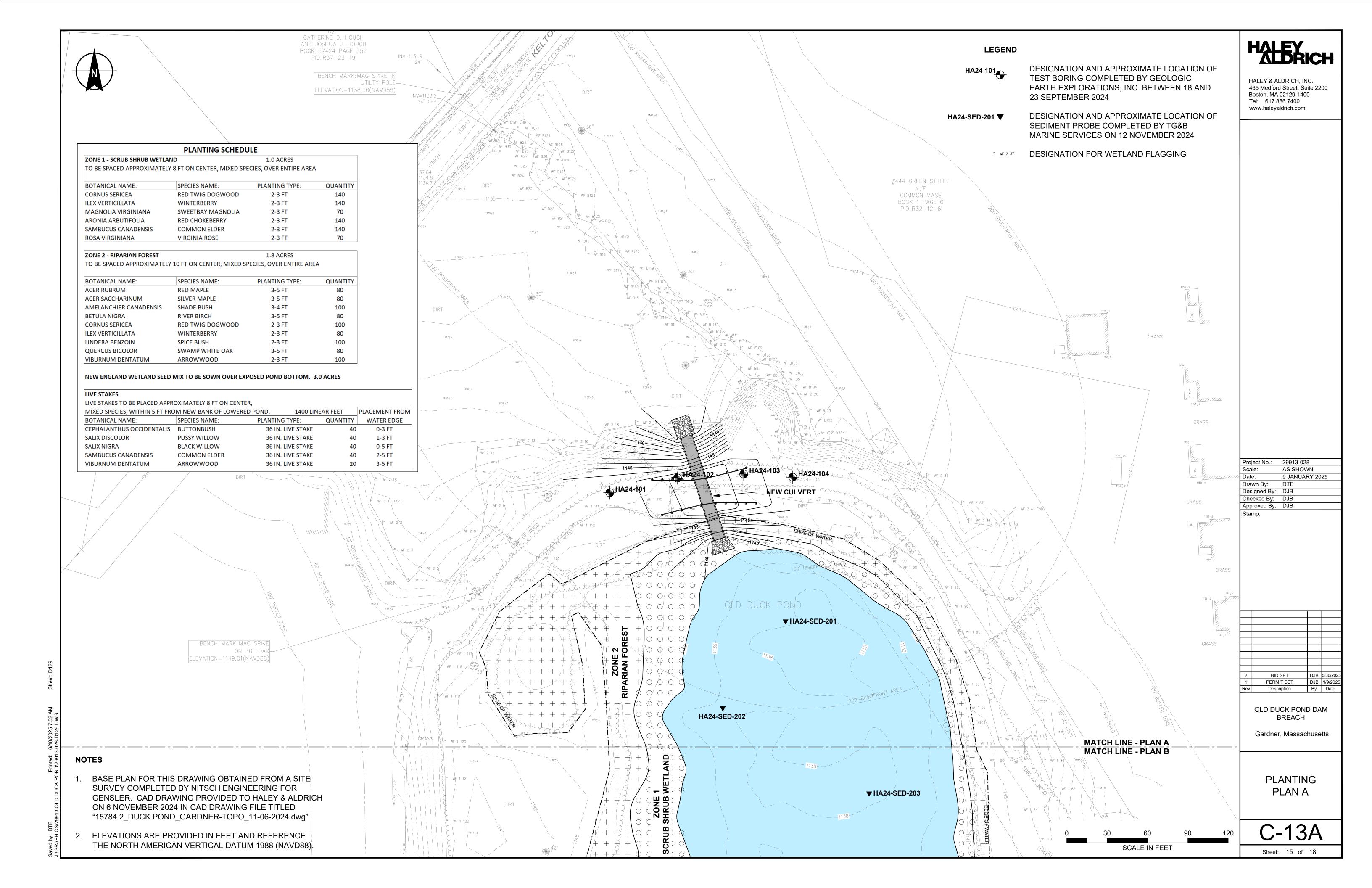
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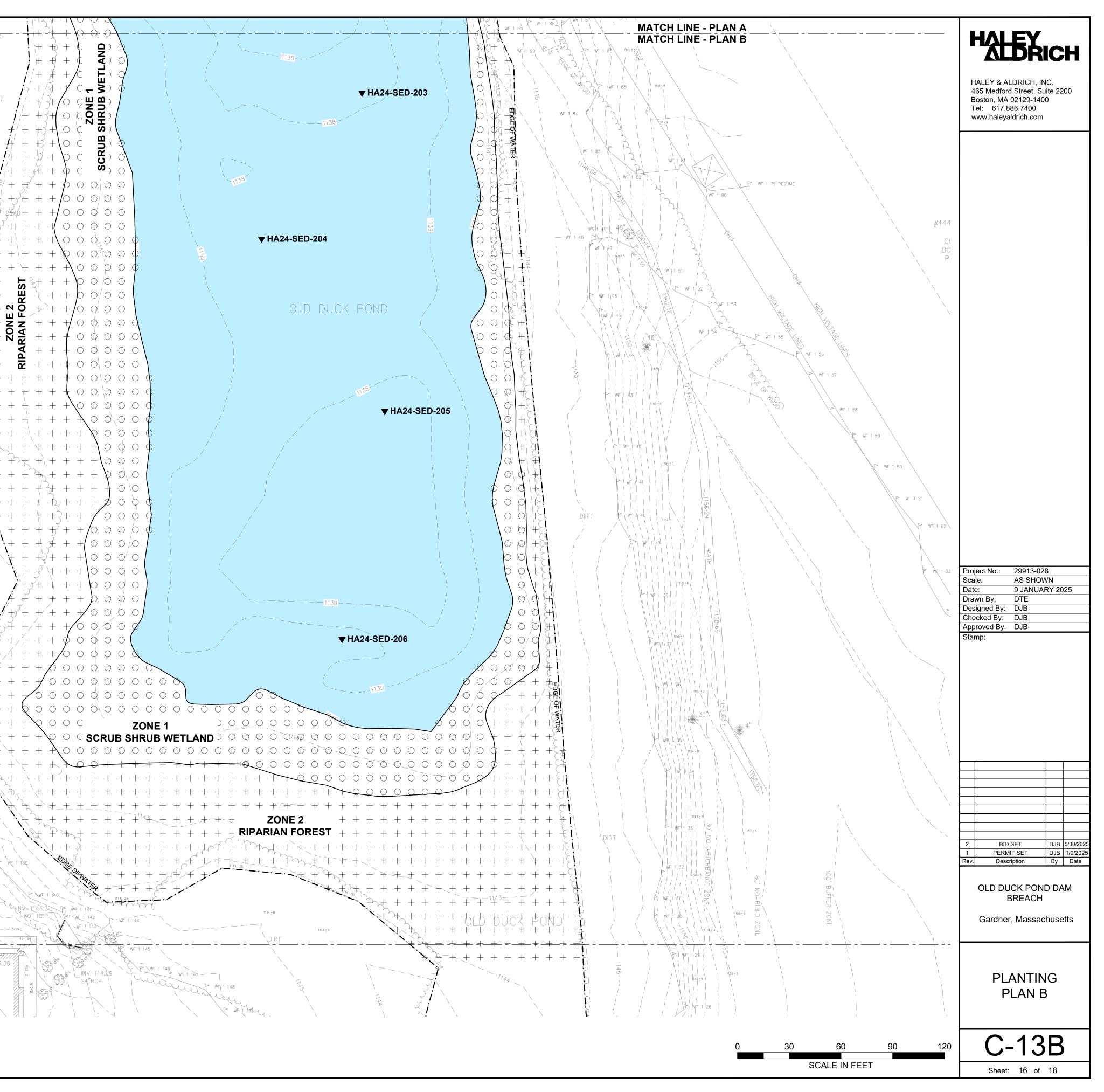
HALEY & ALDRICH, IN 465 Medford Street, Su Boston, MA 02129-140 Tel: 617.886.7400 www.haleyaldrich.com	IC. iite 22	
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1 PERMIT SET Rev. Description OLD DUCK PON BREACH	DJB By D DA huse	1/9/2025 Date

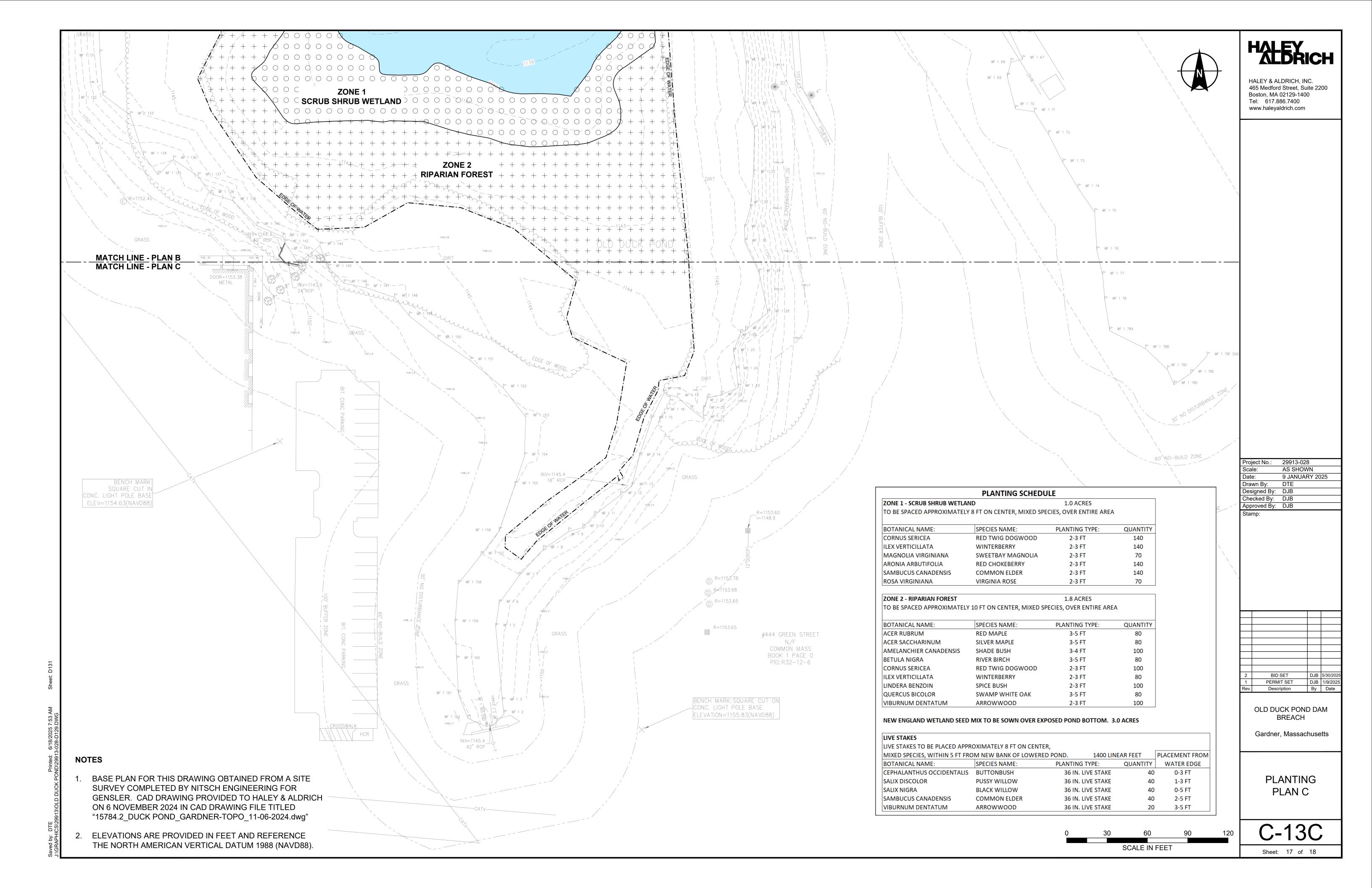


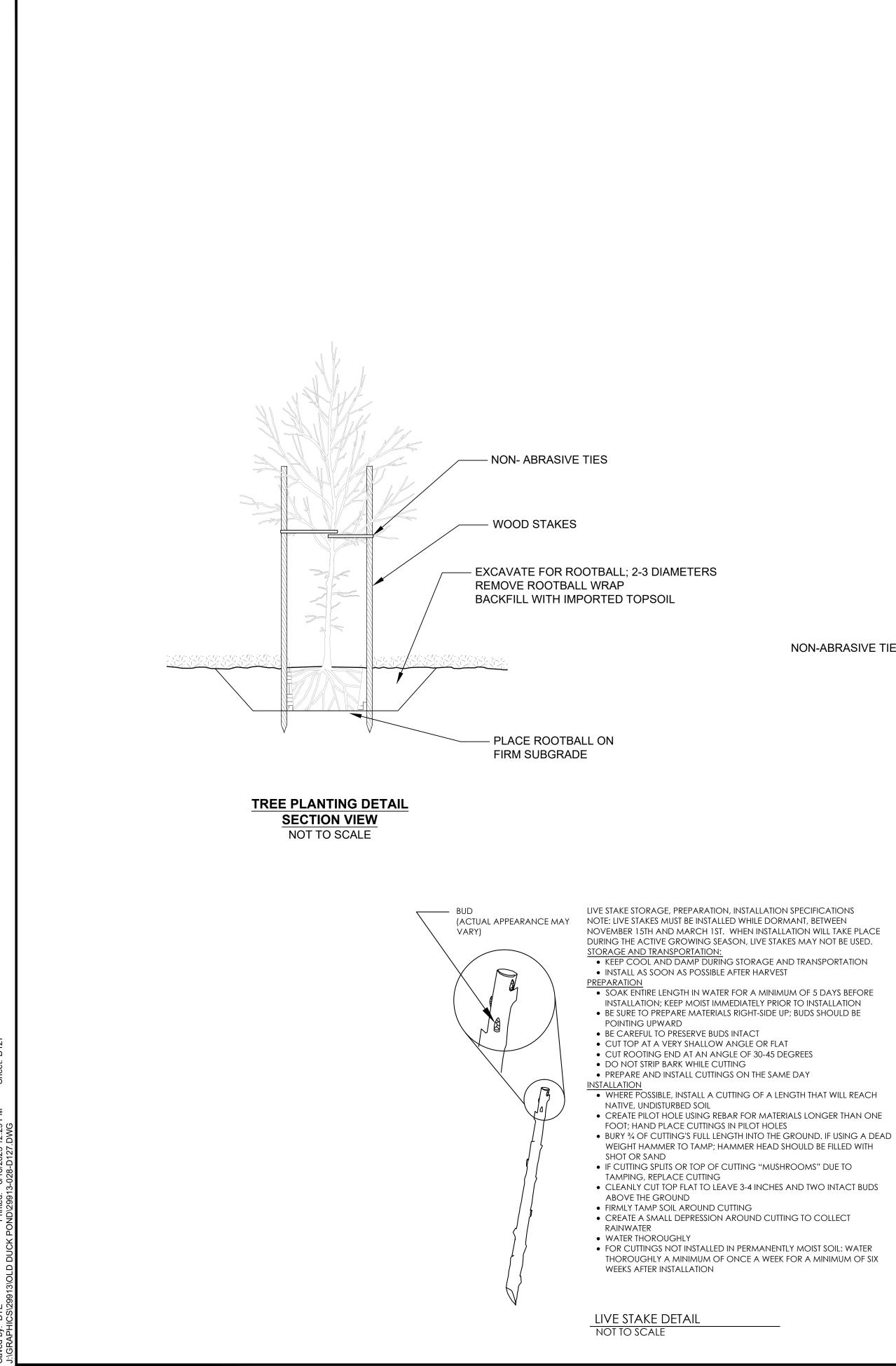
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CTION DETAIL	OLD DUCK POND DAM BREACH Gardner, Massachusetts
3 4 ET	GUARD RAIL DETAILS
	C-12 Sheet: 14 of 18



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		43 E				
	I				DIRT	
ZONE 1 - SCRUB SHRUB WETLA	PLANTING SCHEDU	1.0 ACRES]	`\	\
TO BE SPACED APPROXIMATELY			Ą			
BOTANICAL NAME:	SPECIES NAME:	PLANTING TYPE:	QUANTITY			¥2"
CORNUS SERICEA ILEX VERTICILLATA	RED TWIG DOGWOOD WINTERBERRY	2-3 FT 2-3 FT	140 140			
MAGNOLIA VIRGINIANA	SWEETBAY MAGNOLIA	2-3 FT	70			
ARONIA ARBUTIFOLIA SAMBUCUS CANADENSIS	RED CHOKEBERRY COMMON ELDER	2-3 FT 2-3 FT	140 140		/ /	~_/_
ROSA VIRGINIANA	VIRGINIA ROSE	2-3 FT	70			Á +
ZONE 2 - RIPARIAN FOREST TO BE SPACED APPROXIMATELY	10 FT ON CENTER, MIXED SP	1.8 ACRES ECIES, OVER ENTIRE ARE	A		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	MATER + + +
BOTANICAL NAME:	SPECIES NAME:	PLANTING TYPE:	QUANTITY			DGE OF + + + + +
ACER RUBRUM	RED MAPLE	3-5 FT	80			
ACER SACCHARINUM AMELANCHIER CANADENSIS	SILVER MAPLE SHADE BUSH	3-5 FT 3-4 FT	80 100		Í.	+ +
BETULA NIGRA	RIVER BIRCH	3-5 FT	80			v++
CORNUS SERICEA ILEX VERTICILLATA	RED TWIG DOGWOOD WINTERBERRY	2-3 FT 2-3 FT	100 80			
LINDERA BENZOIN	SPICE BUSH	2-3 FT	100			+ +
QUERCUS BICOLOR VIBURNUM DENTATUM	SWAMP WHITE OAK ARROWWOOD	3-5 FT 2-3 FT	80 100		$\left \right\rangle$	\ + +
NEW ENGLAND WETLAND SEED						₩ +
		USED FOND BOTTOM.	S.O ACKES			λ_{+}
LIVE STAKES LIVE STAKES TO BE PLACED APP	ROXIMATELY 8 FT ON CENTER	٦,				<u> </u>
MIXED SPECIES, WITHIN 5 FT FF BOTANICAL NAME:	SPECIES NAME:	POND. 1400 LI PLANTING TYPE:	NEAR FEET QUANTITY	PLACEMENT FRO WATER EDGE	M	\
CEPHALANTHUS OCCIDENTALIS SALIX DISCOLOR		36 IN. LIVE STAKE				
SALIX DISCOLOR SALIX NIGRA	PUSSY WILLOW BLACK WILLOW	36 IN. LIVE STAKE 36 IN. LIVE STAKE			<u>,</u>	
SAMBUCUS CANADENSIS VIBURNUM DENTATUM		36 IN. LIVE STAKE				26/
VIBORNOW DENTATOW	ARROWWOOD	36 IN. LIVE STAKE	20	3-5 FT		
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			I I I III III IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	61.2 E R=1152 GRA	WF 1 135	136 P WF 1 EDGE
				MATCH LINE	WF 1 135 2.40 1152 * 4 SS - PLAN B	136 WF 1 EDGE 1152,67
NOTES					WF 1 135 2.40 1152 * 4 SS - PLAN B	<u>- IONE</u>
1. BASE PLAN FOR TH				MATCH LINE	WF 1 135 2.40 1152 * 4 SS - PLAN B	136 WP 1 ED 6E 1152.3 TI52.67 TONE Z DC
1. BASE PLAN FOR TH SURVEY COMPLETE	IS DRAWING OBTAIN ED BY NITSCH ENGIN AWING PROVIDED TO	IEERING FOR		MATCH LINE	WF 1 135 2.40 1152 * 4 SS - PLAN B	<u>- TONE</u>
1. BASE PLAN FOR TH SURVEY COMPLETE GENSLER. CAD DR ON 6 NOVEMBER 20	ED BY NITSCH ENGIN AWING PROVIDED TO)24 IN CAD DRAWING	IEERING FOR D HALEY & ALDRI FILE TITLED		MATCH LINE	WF 1 135 2.40 1152 * 4 SS - PLAN B	<u>- TONE</u>
1. BASE PLAN FOR TH SURVEY COMPLETE GENSLER. CAD DR ON 6 NOVEMBER 20	ED BY NITSCH ENGIN AWING PROVIDED TO	IEERING FOR D HALEY & ALDRI FILE TITLED		MATCH LINE	WF 1 135 2.40 1152 * 4 SS - PLAN B	<u>- TONE</u>



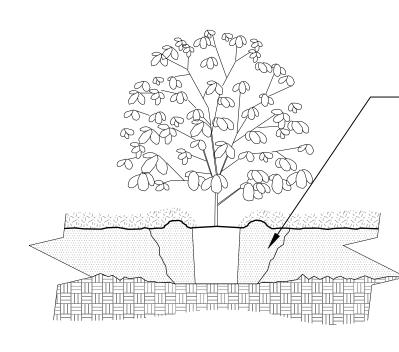




NON-ABRASIVE TIES

- WOOD STAKES

- PREVAILING WIND



SHRUB PLANTING DETAIL **SECTION VIEW** NOT TO SCALE

TREE SUPPORT PLAN VIEW NOT TO SCALE

		C-1		
		PLANTII DETAIL		
		OLD DUCK POND DAM BREACH Gardner, Massachusetts		
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	Sca Date	e: 9 JANU	WN)25
CAVATE FOR ROOTBALL; 2-3 DIAMETERS MOVE ROOTBALL WRAP CKFILL WITH IMPORTED TOPSOIL				
	4 B T	ALEY & ALDRICH, I 65 Medford Street, S oston, MA 02129-14 el: 617.886.7400 ww.haleyaldrich.com	ouite 22 00	200
	1	'XEX		H