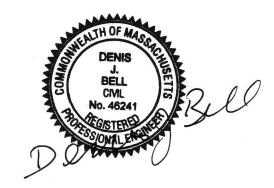


OLD DUCK POND DAM BREACH

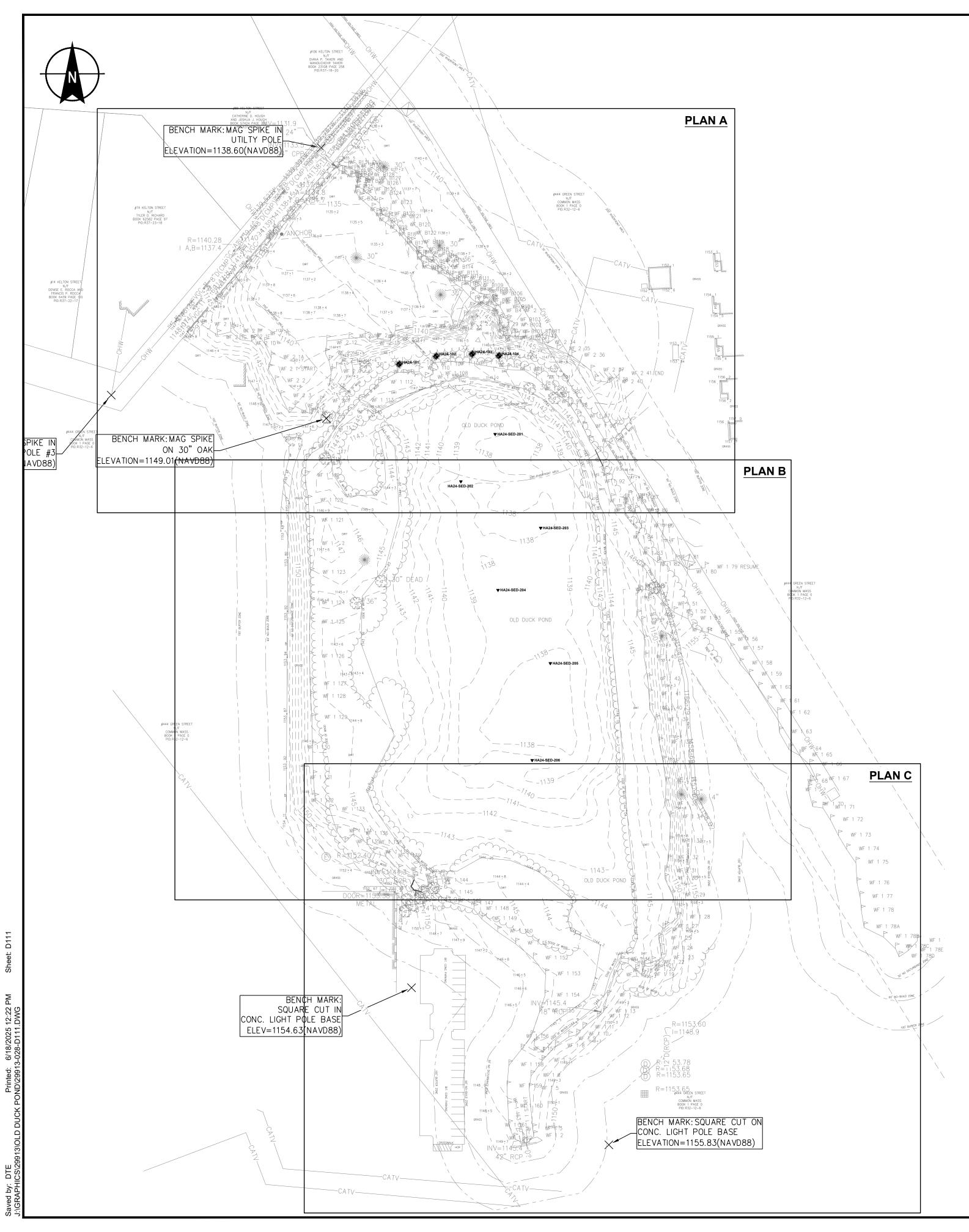






465 Medford Street, Suite 2200 Boston, MA 02129-1400 Tel: 617.886.7400 www.haleyaldrich.com

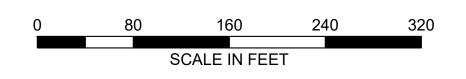
Gardner, Massachusetts 30 May 2025 for Mount Wachusett Community College 444 Green Street Gardner, Massachusetts NID: MA02784



		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).

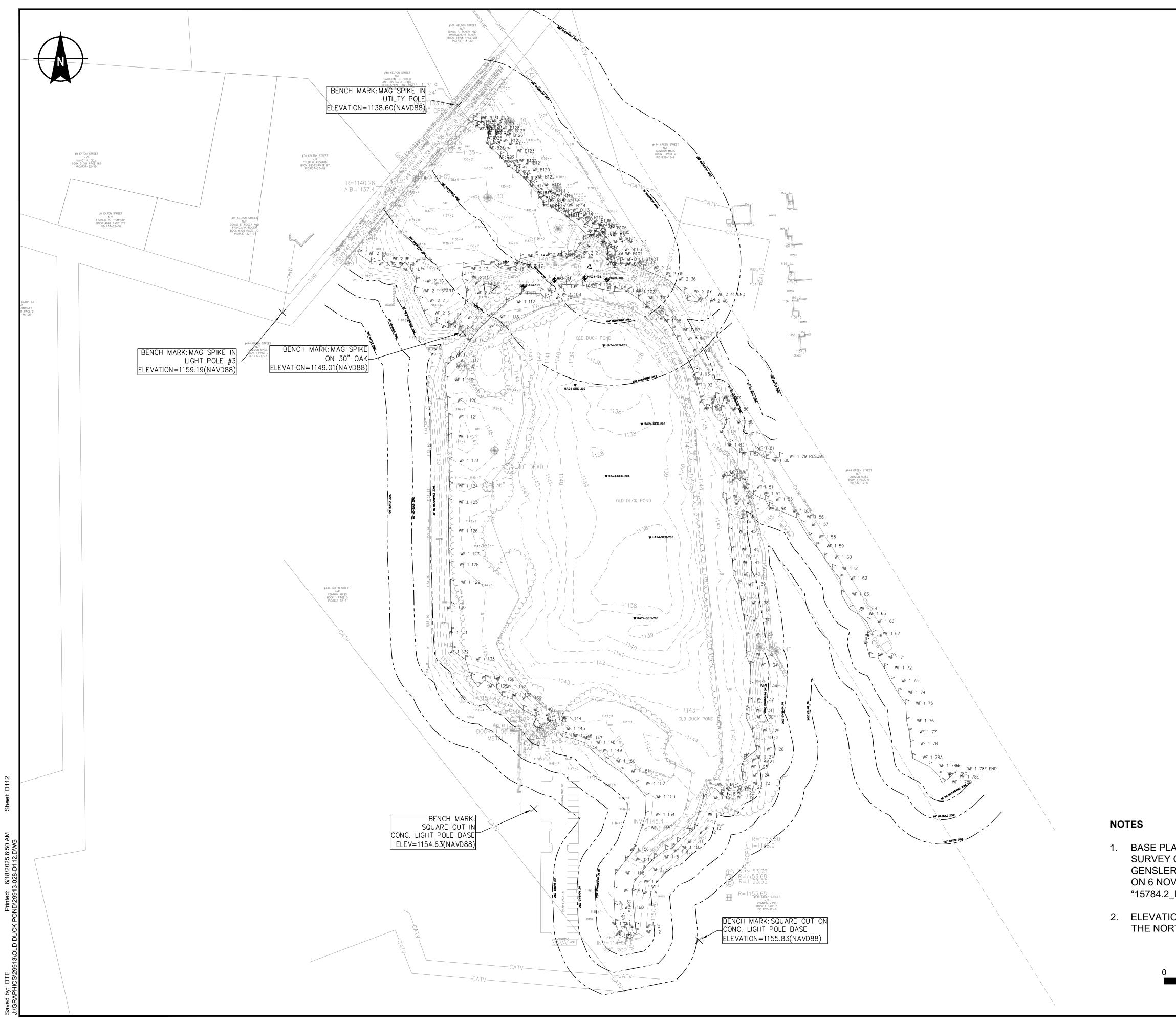


6
٩N
ONS PLAN A
ONS PLAN B
ONS PLAN C
_ PLAN
PLAN
ING PLAN

ID PROFILE

_S

HALEY
HALEY & ALDRICH, INC. 465 Medford Street, Suite 2200 Boston, MA 02129-1400 Tel: 617.886.7400 www.haleyaldrich.com
Project No.:29913-028Scale:AS SHOWNDate:9 JANUARY 2025Drawn By:DTE
Designed By: DJB Checked By: DJB Approved By: DJB Stamp:
Image: Second system Image: Second system Image: Second
1 PERMIT SET DJB 1/9/2025
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

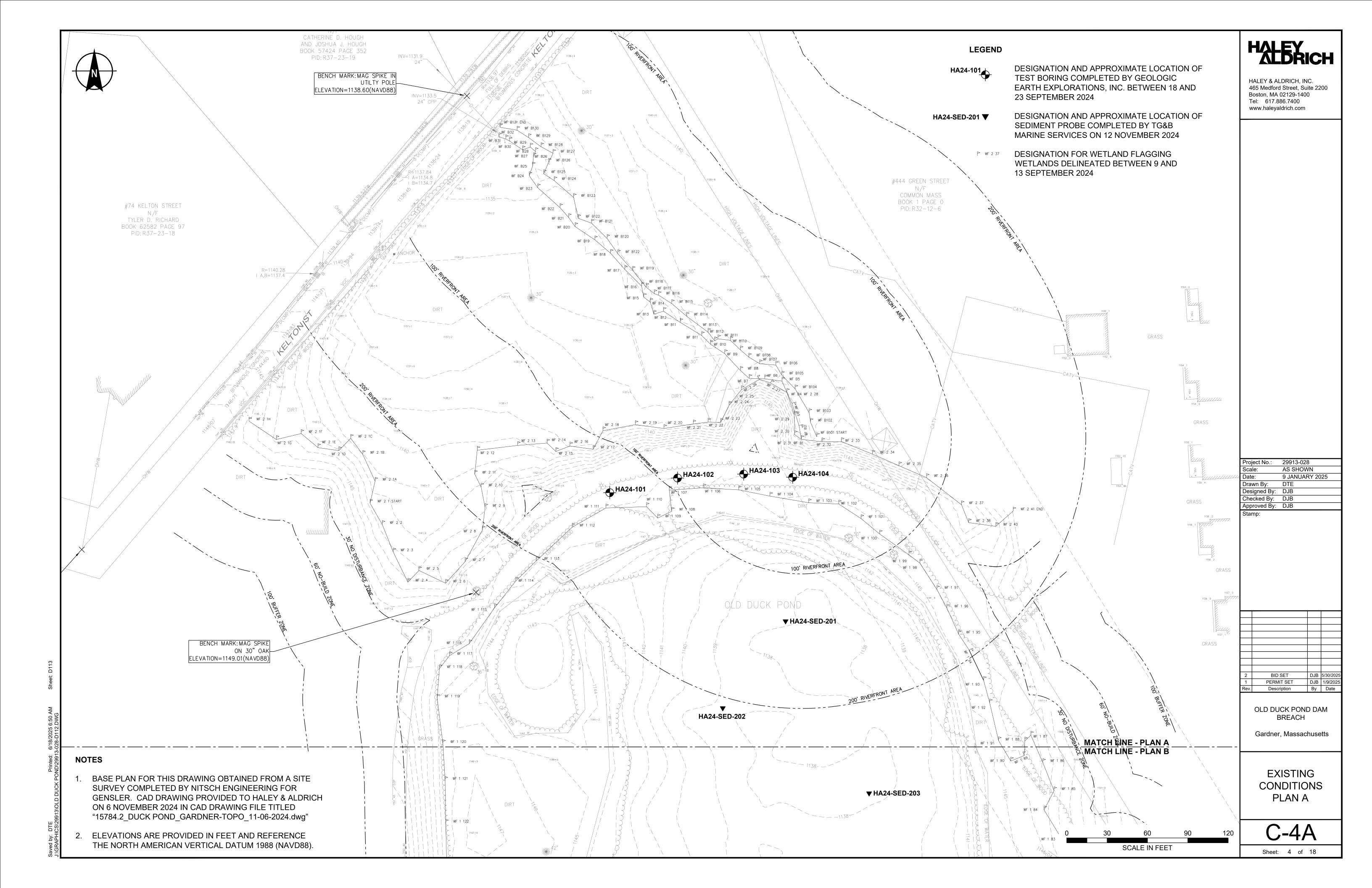


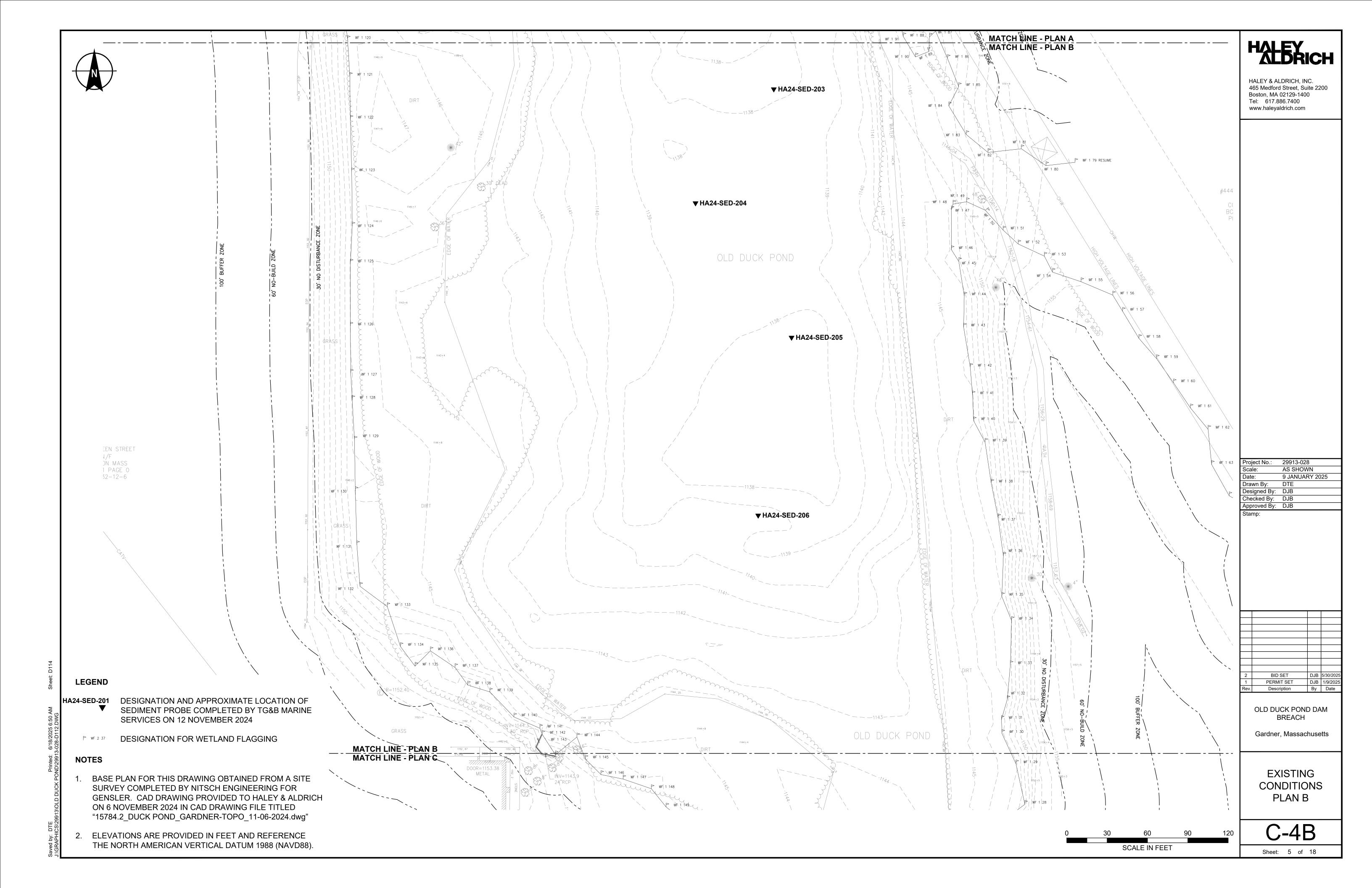
	-	-EY		·∎⊸∎
	IALEY & A			┙ ┎╶ ┓
4 B	65 Medfor 65 Medfor 60ston, MA fel: 617.8	d Street, 02129-1	Suite 22	200
	/ww.haleya		m	
Sca		29913- AS SHO	OWN	025
Sca Date Dra Des	le: e: wn By: igned By:	AS SHO 9 JANU DTE DJB		025
Sca Date Dra Des Che	le: e: wn By: igned By: ecked By: proved By:	AS SHO 9 JANU DTE	OWN	25
Sca Date Dra Des Che App	le: e: wn By: igned By: ecked By: proved By:	AS SHO 9 JANU DTE DJB DJB	OWN	25
Sca Date Dra Des Che App	le: e: wn By: igned By: ecked By: proved By:	AS SHO 9 JANU DTE DJB DJB	OWN	25
Sca Date Dra Des Che App	le: e: wn By: igned By: ecked By: proved By:	AS SHO 9 JANU DTE DJB DJB	OWN	25
Sca Date Dra Des Che App	le: e: wn By: igned By: ecked By: proved By:	AS SHO 9 JANU DTE DJB DJB	OWN	25
Sca Date Dra Des Che App	le: e: wn By: igned By: ecked By: proved By:	AS SHO 9 JANU DTE DJB DJB	OWN	25
Sca Date Dra Des Che App	le: e: wn By: igned By: ecked By: proved By:	AS SHO 9 JANU DTE DJB DJB	OWN	
Sca Date Dra Des Che App	le: e: wn By: igned By: ecked By: proved By:	AS SHO 9 JANU DTE DJB DJB	OWN	
Sca Date Dra Des Che App	le: e: wn By: igned By: cked By: proved By: mp:	AS SHO 9 JANU DTE DJB DJB	OWN	025
Sca Date Dra Che App Star	le: e: wn By: igned By: cked By: roved By: mp: mp:	AS SHO		
Sca Date Dra Che App Star	le: e: wn By: igned By: cked By: roved By: mp: mp: BIE BIE PERM Desc	AS SHO 9 JANU DTE DJB DJB DJB	DWN JARY 20	5/30/2025 1/9/2025 Date
Sca Date Dra Che App Star	le: e: wn By: igned By: cked By: roved By: mp: mp: BIC PERM Desc OLD DU	AS SHO 9 JANU DTE DJB DJB DJB OJB	DWN JARY 20 DJB DJB DJB DJB By ND DA H	5/30/2025 1/9/2025 Date
Sca Date Dra Che App Star	le: e: wn By: igned By: cked By: roved By: mp: mp: BIC PERM Desc OLD DU	AS SHO 9 JANU DTE DJB DJB DJB	DWN JARY 20 DJB DJB DJB DJB By ND DA H	5/30/2025 1/9/2025 Date
Sca Date Dra Che App Star	le: e: wn By: igned By: cked By: roved By: mp: mp: BIC PERM Desc OLD DU	AS SHO 9 JANU DTE DJB DJB DJB OJB	DWN JARY 20 DJB DJB DJB DJB By ND DA H	5/30/2025 1/9/2025 Date
Sca Date Dra Che App Star	le: e: wn By: igned By: cked By: roved By: mp: mp: BIC PERM Desc OLD DU	AS SHO 9 JANU DTE DJB DJB DJB OJB	DVN JARY 20 DI DI DJB DJB By ND DA H achuse	5/30/2025 1/9/2025 Date
Sca Date Dra Che App Star	le: e: wn By: igned By: cked By: roved By: mp: BIC PERM Desc OLD DU Gardne	AS SHO 9 JANU DTE DJB DJB DJB OJB	DVN JARY 20 DI DI DJB DJB By ND DA H achuse	5/30/2025 1/9/2025 Date
Sca Date Dra Che App Star	le: e: wn By: igned By: cked By: roved By: mp: BIC PERM Desc OLD DU Gardne	AS SHO 9 JANU DTE DJB DJB DJB OJB	DVN JARY 20 DI DI DJB DJB By ND DA H achuse	5/30/2025 1/9/2025 Date

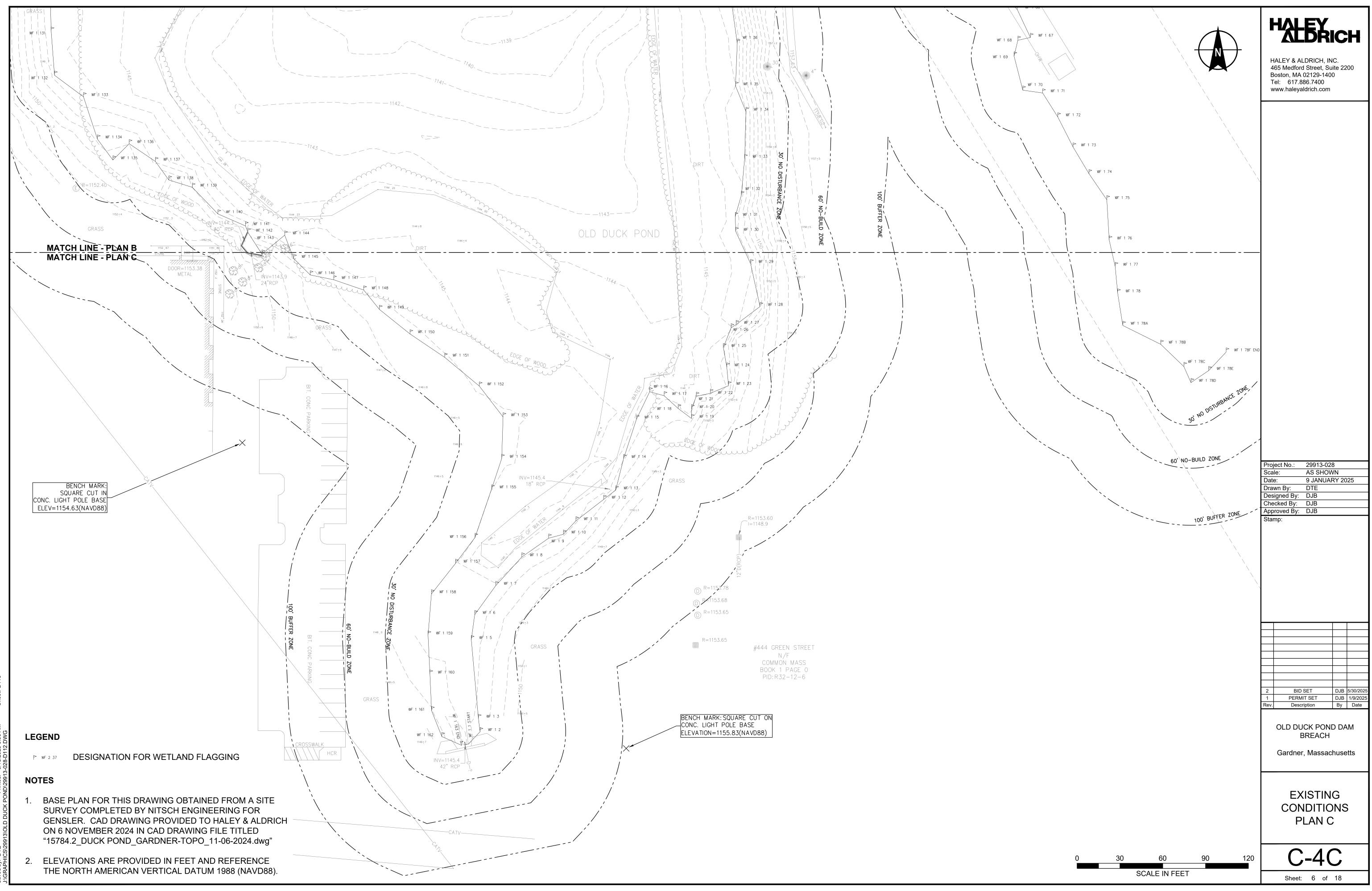
 BASE PLAN FOR THIS DRAWING OBTAINED FROM A SITE SURVEY COMPLETED BY NITSCH ENGINEERING FOR GENSLER. CAD DRAWING PROVIDED TO HALEY & ALDRICH ON 6 NOVEMBER 2024 IN CAD DRAWING FILE TITLED "15784.2_DUCK POND_GARDNER-TOPO_11-06-2024.dwg"

2. ELEVATIONS ARE PROVIDED IN FEET AND REFERENCE THE NORTH AMERICAN VERTICAL DATUM 1988 (NAVD88).

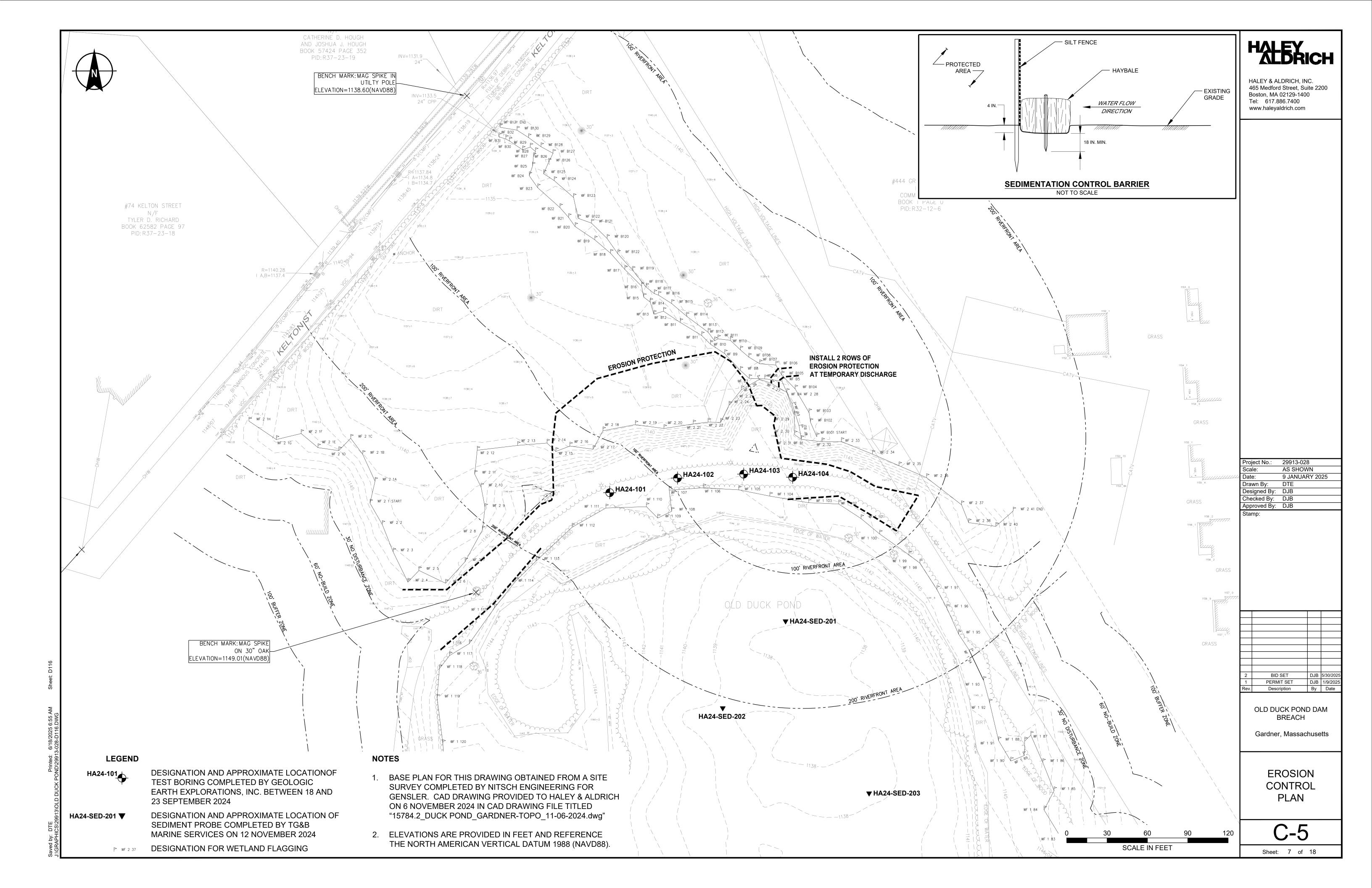
80	160	240	320
	SCALE IN FEET		

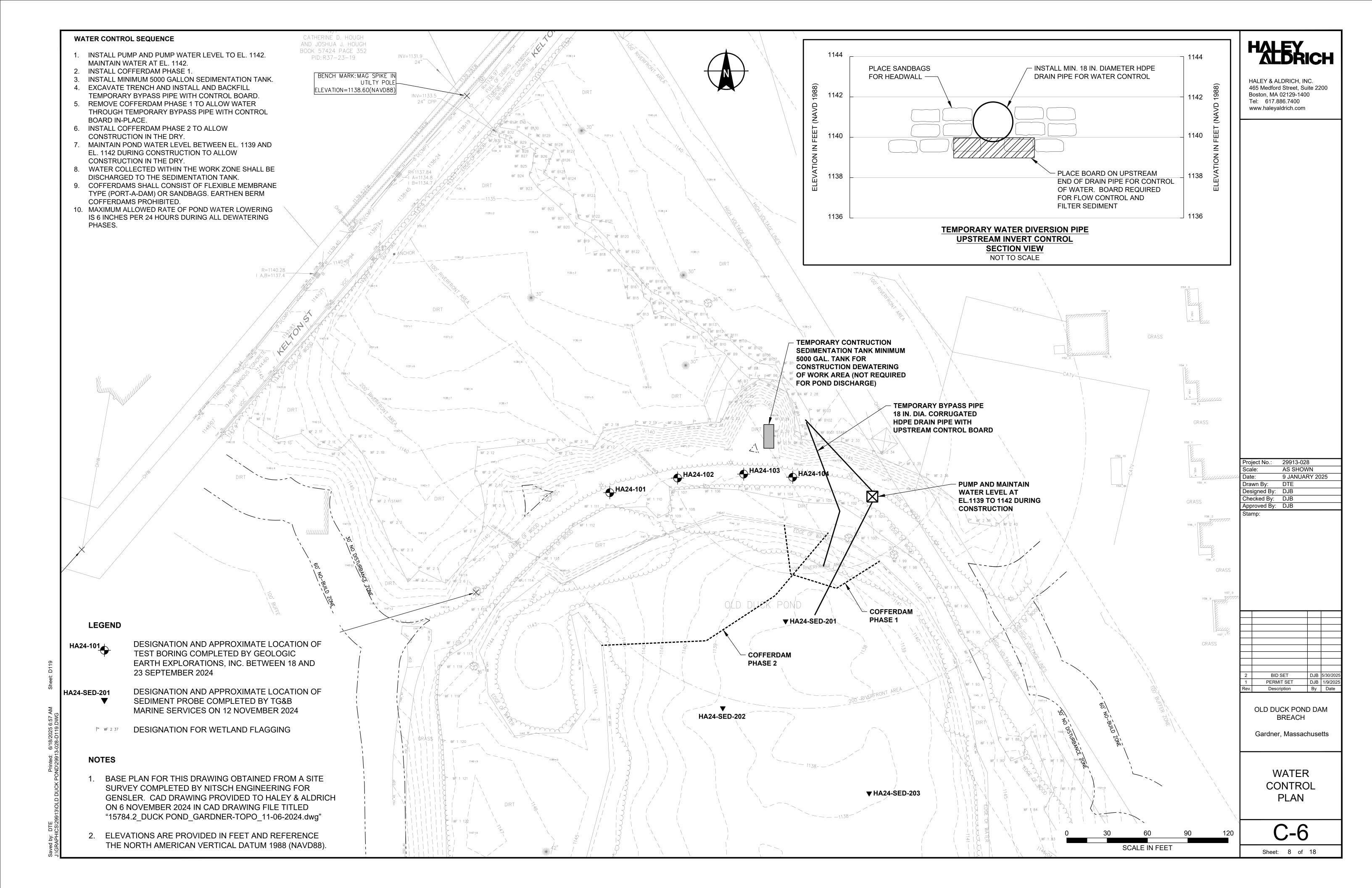


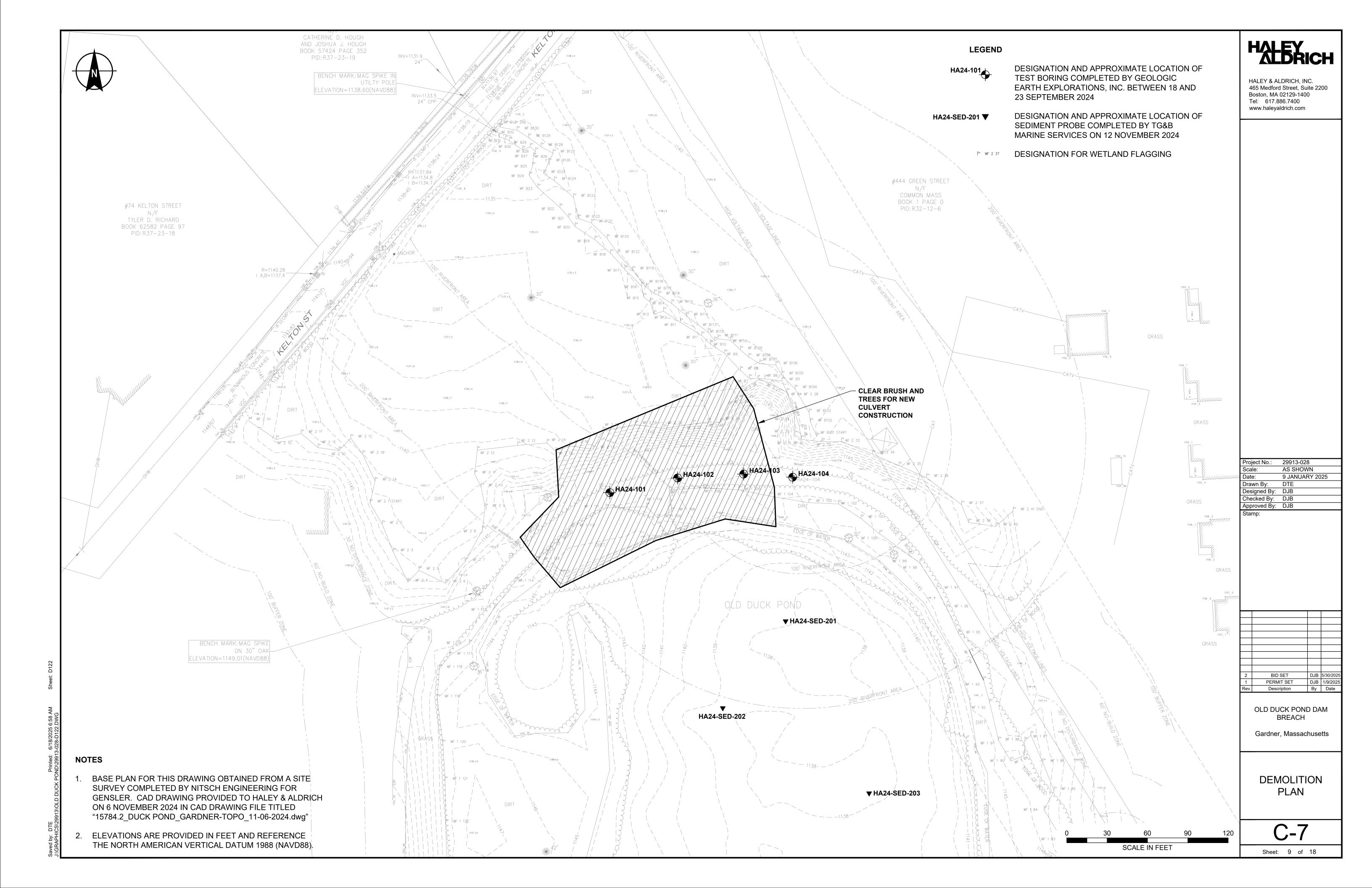


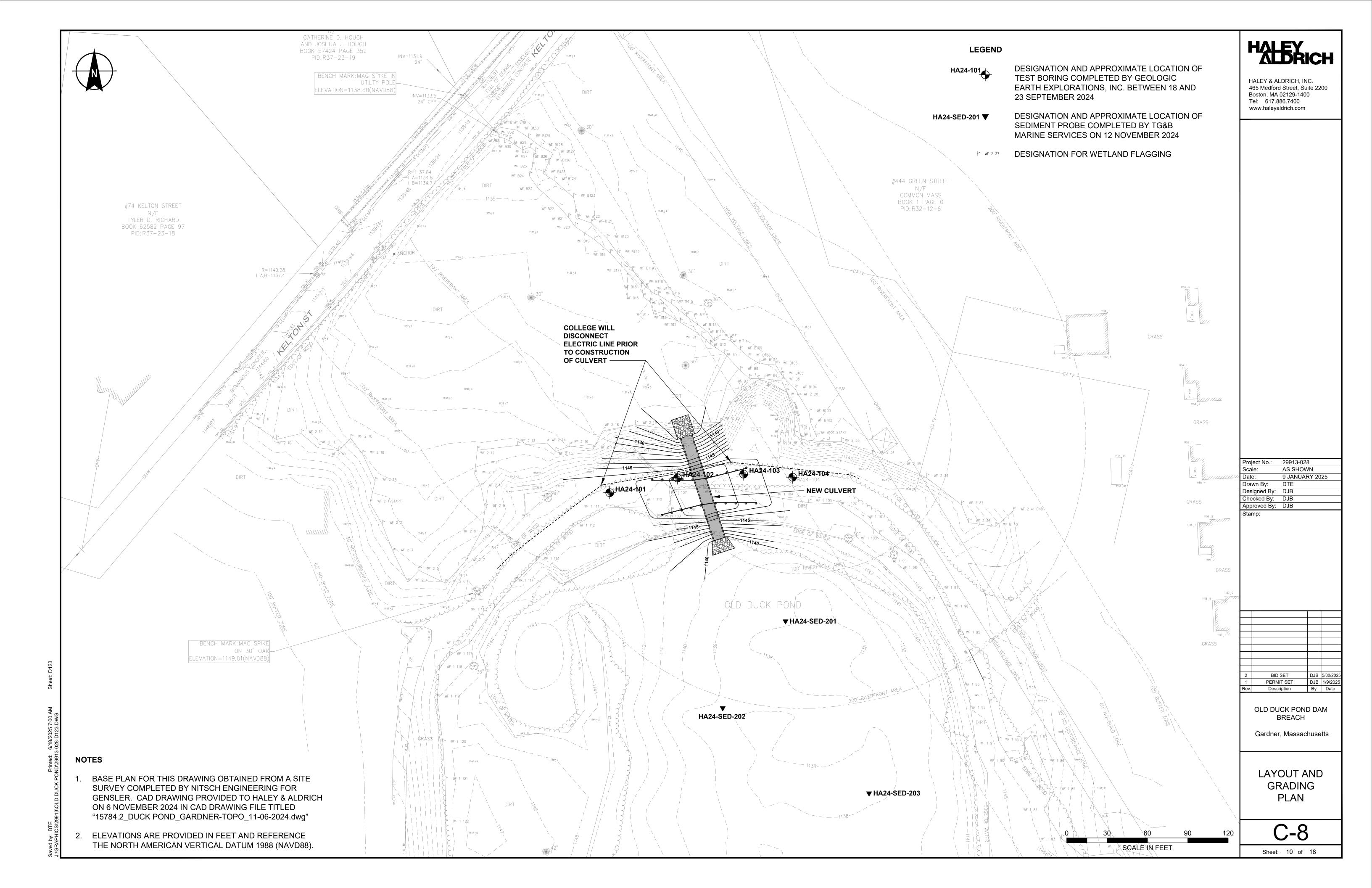


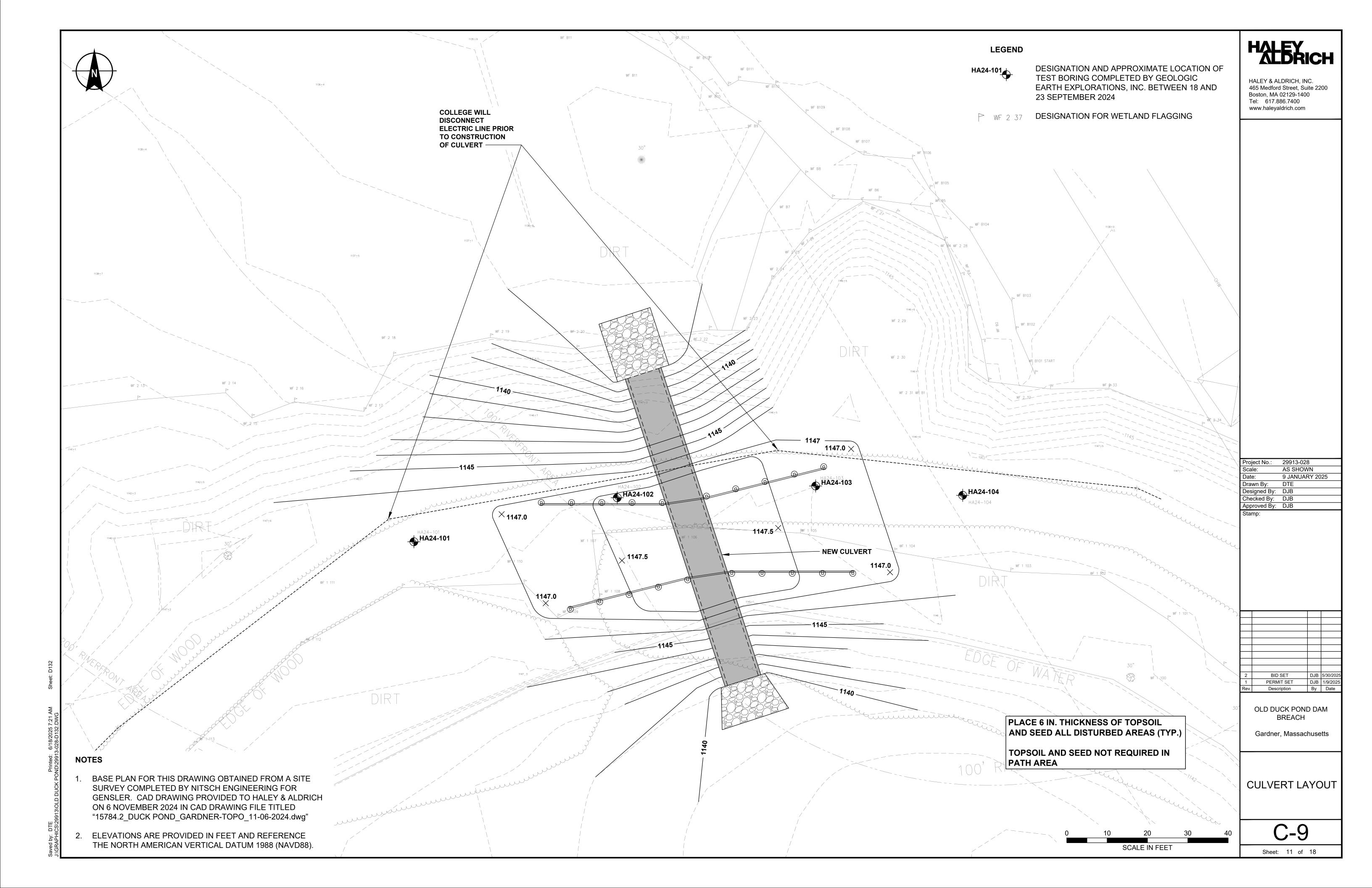
È

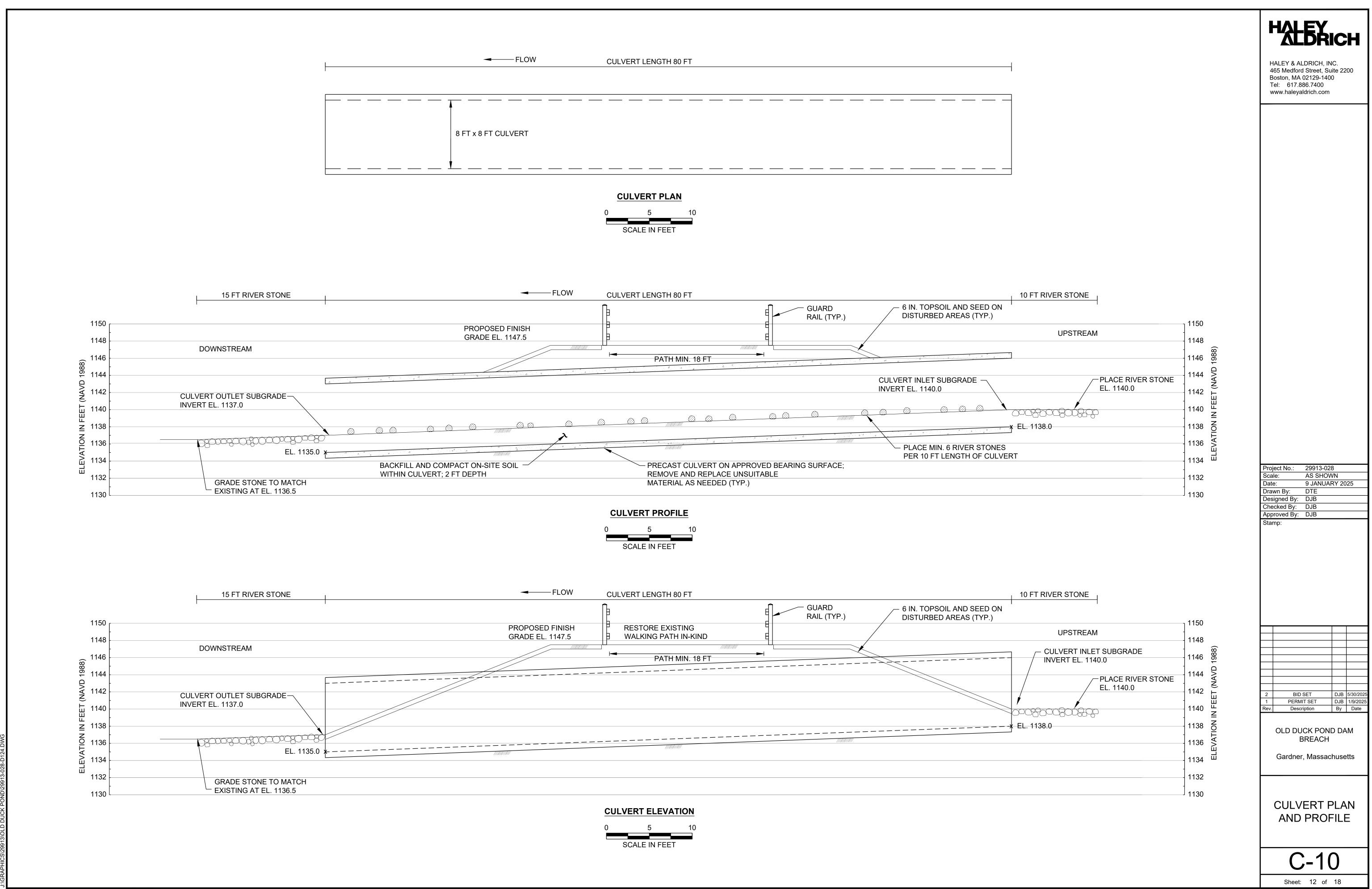


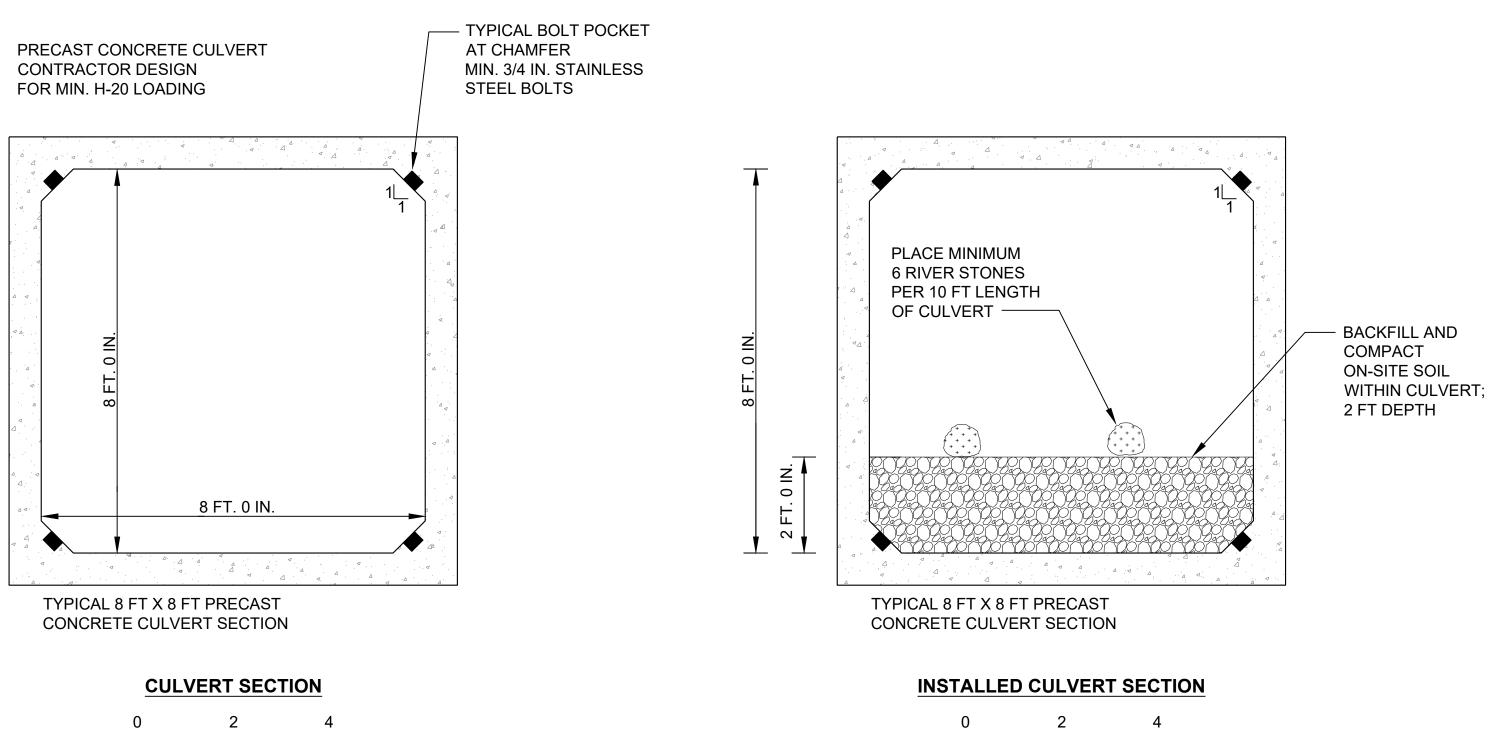








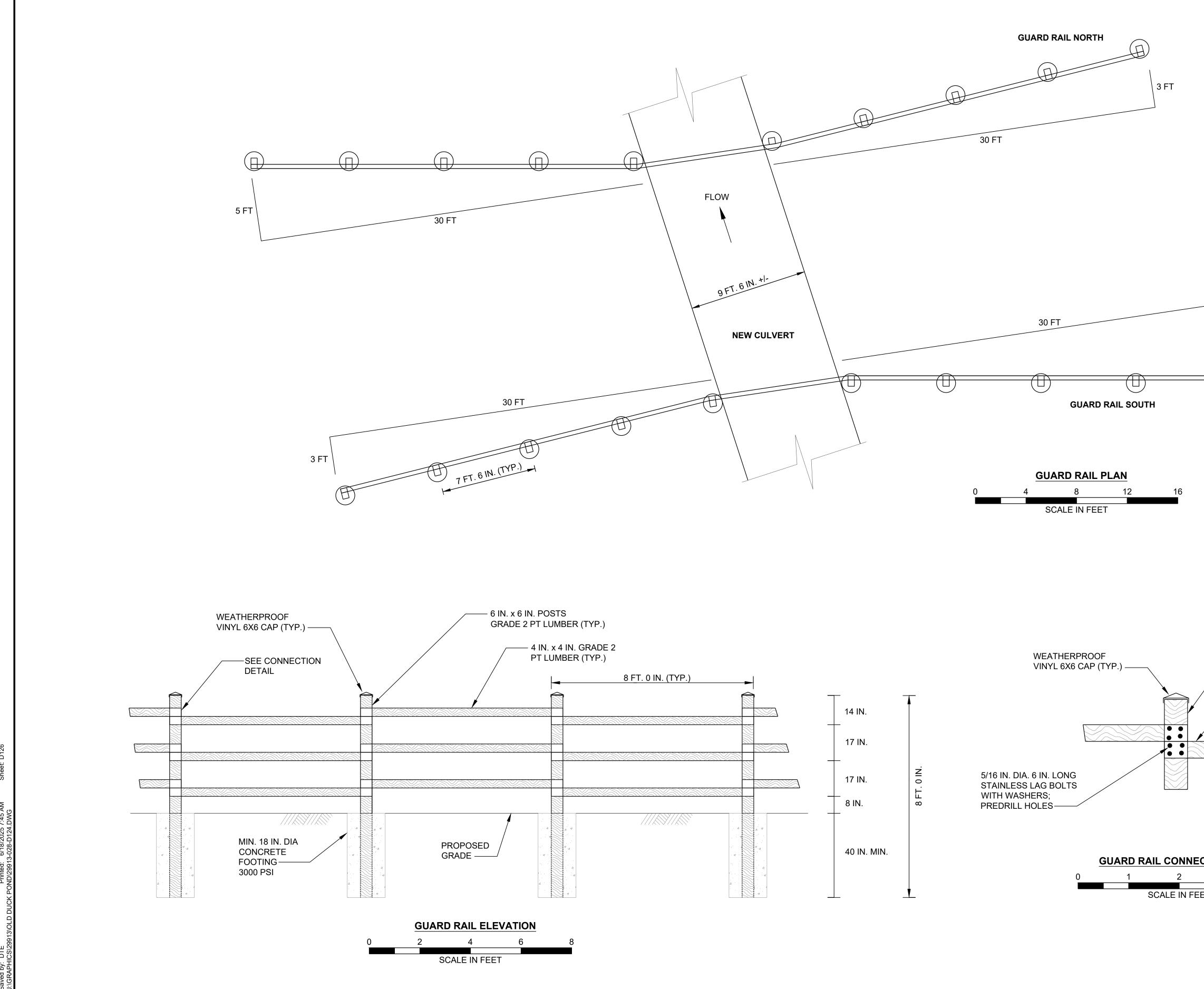




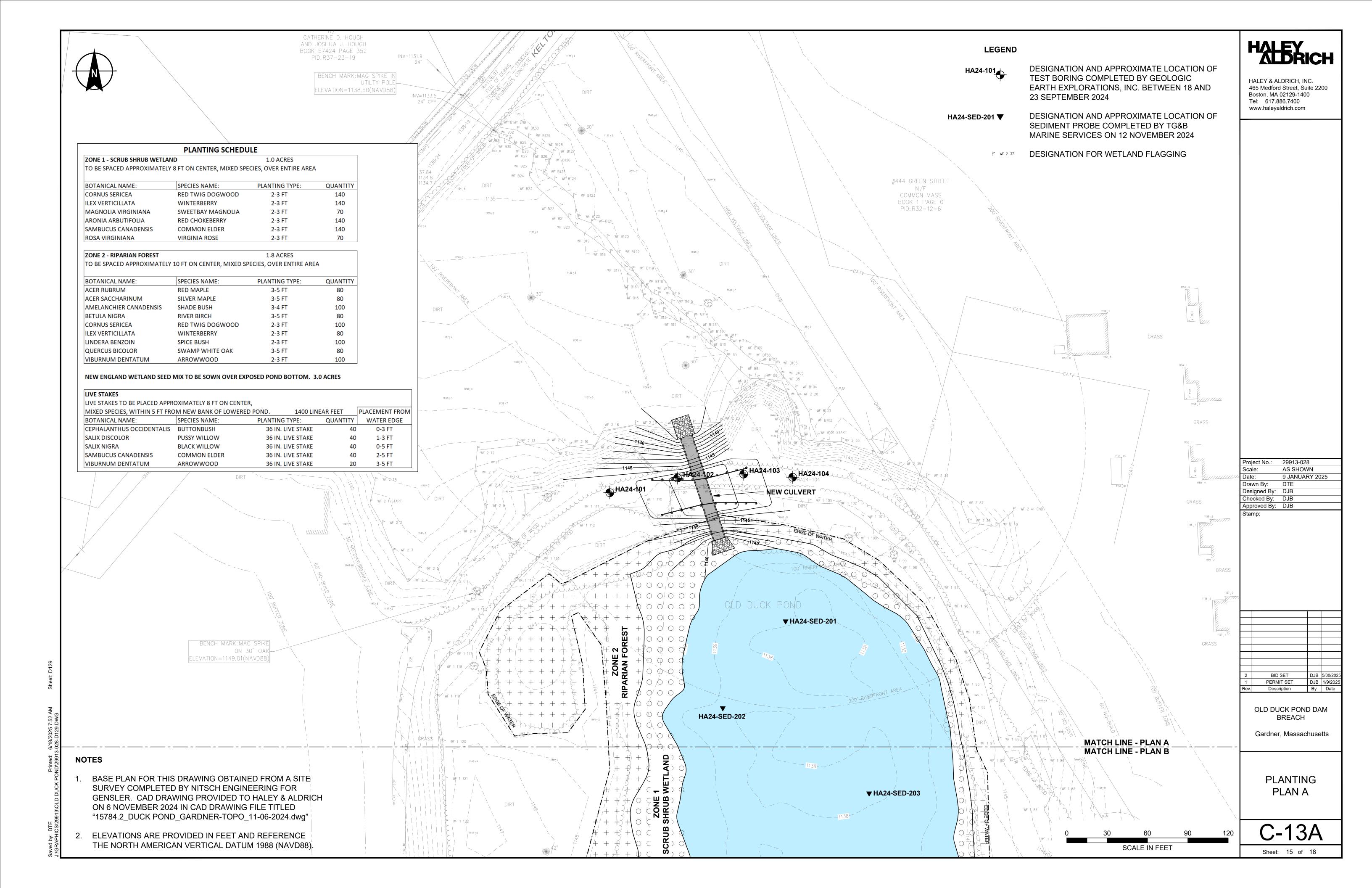
SCALE IN FEET



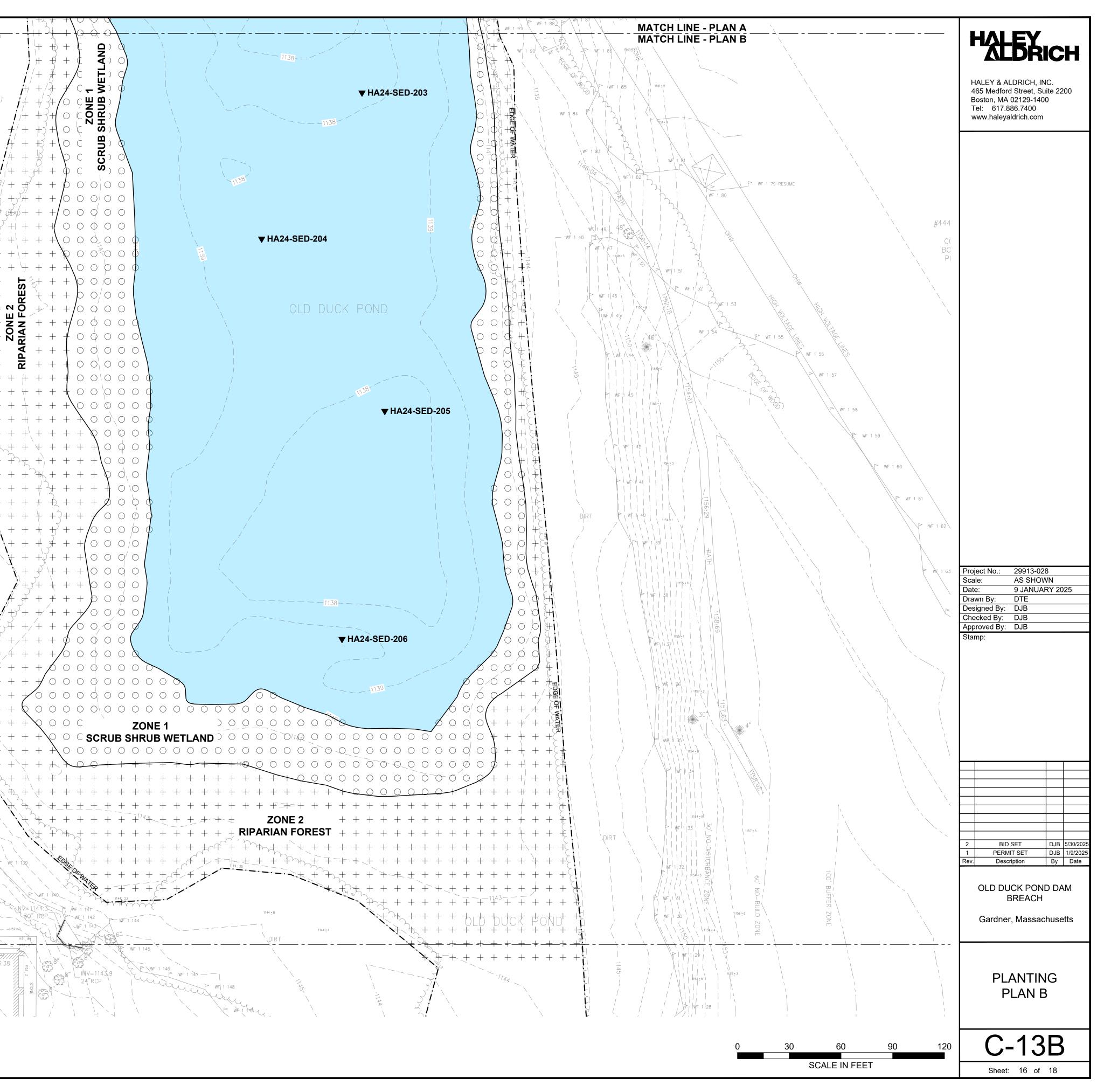
HALEY & ALDRICH, IN 465 Medford Street, Su Boston, MA 02129-140 Tel: 617.886.7400 www.haleyaldrich.com	IC. iite 22	
Project No.: 29913-02 Scale: AS SHOV Date: 9 JANUA	٧N	25
Drawn By: DTE Designed By: DJB Checked By: DJB Approved By: DJB		
Stamp:		
2 BID SET	DJB	5/30/2025
2 BID SET 1 PERMIT SET Rev. Description	DJB DJB By	5/30/2025 1/9/2025 Date
1 PERMIT SET	DJB By	1/9/2025 Date
1 PERMIT SET Rev. Description OLD DUCK PON BREACH	DJB By D DA huse	1/9/2025 Date

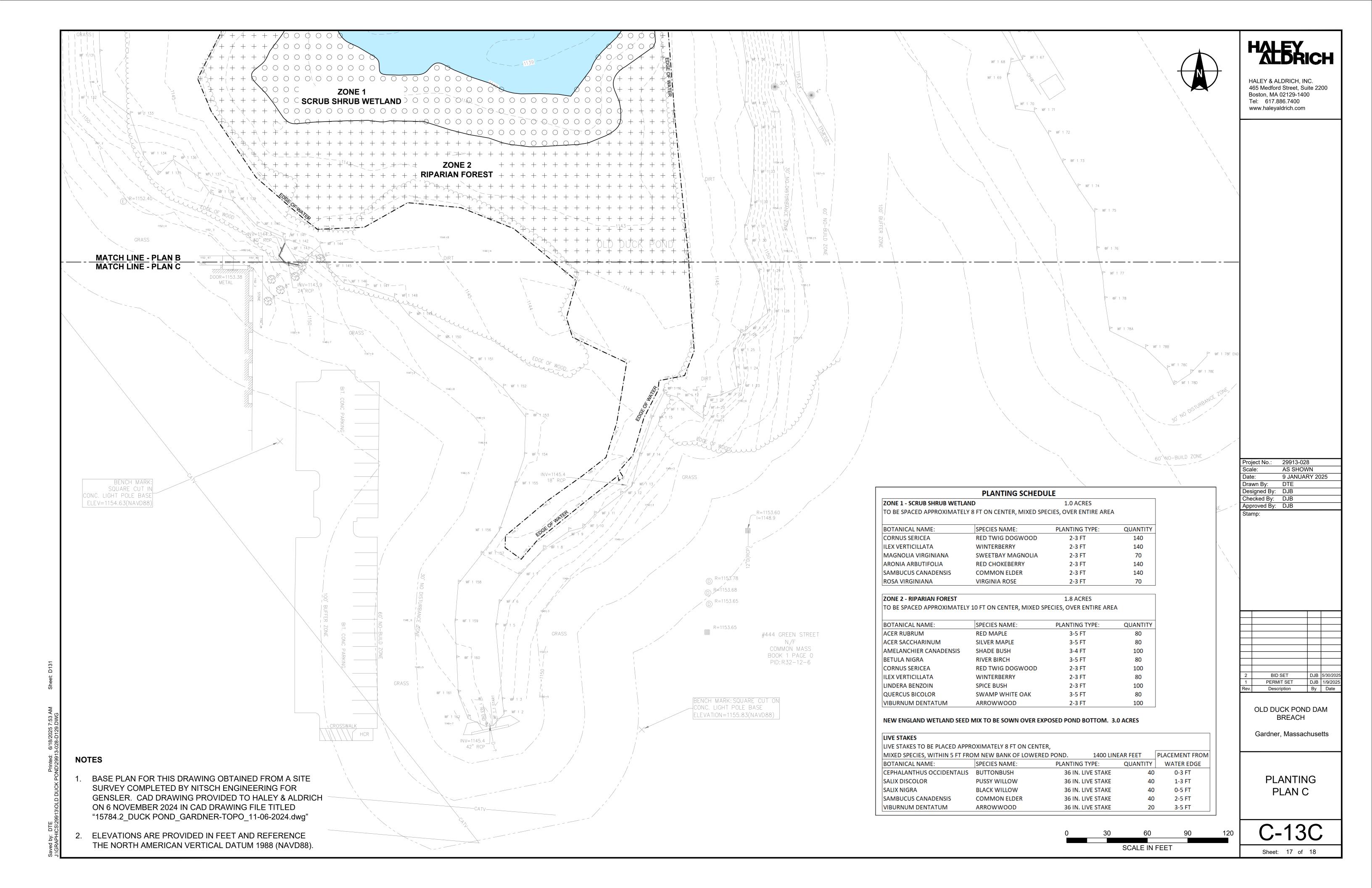


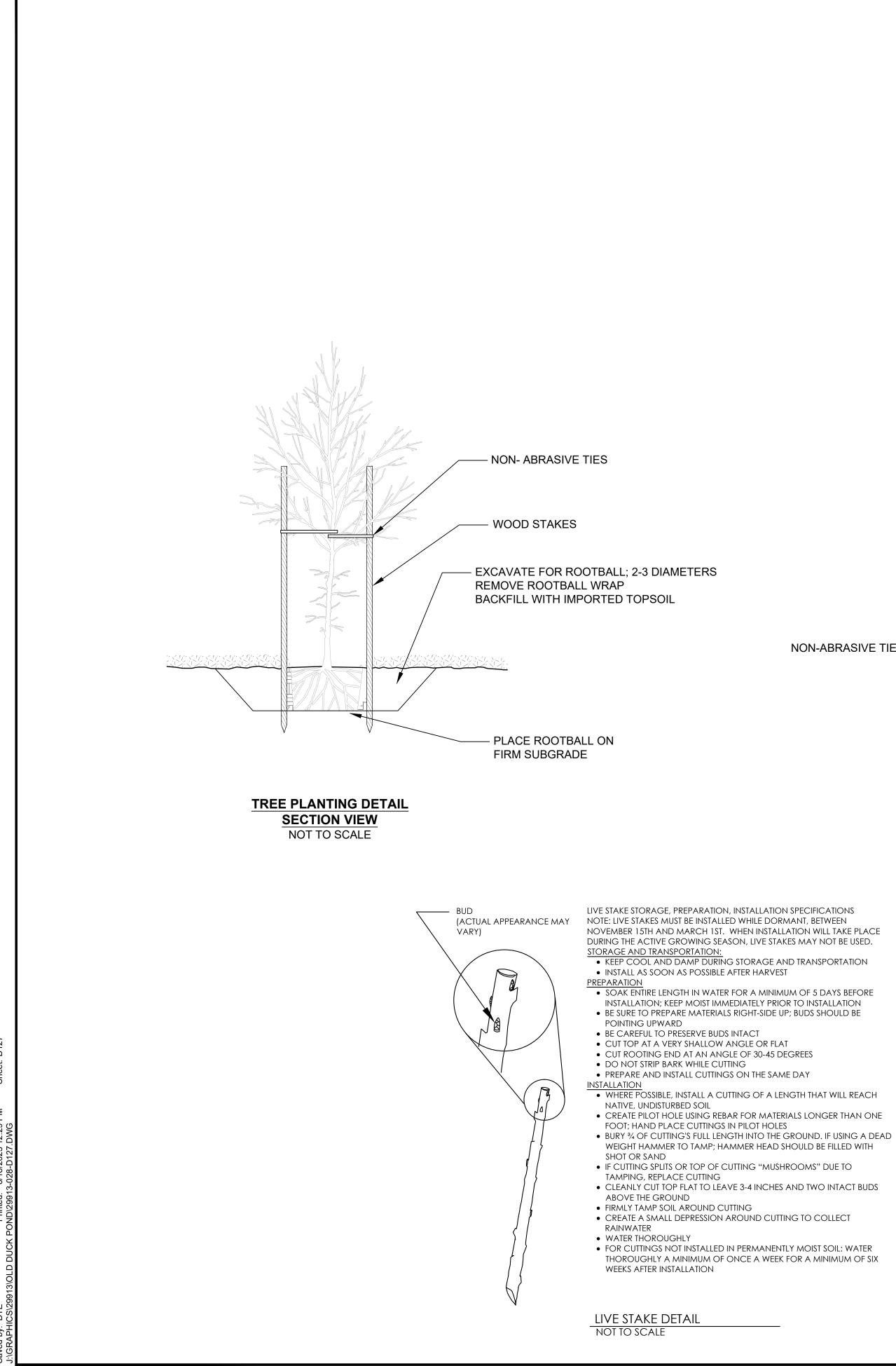
	HALEY & ALDRICH, INC. 465 Medford Street, Suite 2200 Boston, MA 02129-1400 Tel: 617.886.7400 www.haleyaldrich.com
5 FT	
	Project No.:29913-028Scale:AS SHOWNDate:9 JANUARY 2025Drawn By:DTEDesigned By:DJB
	Checked By: DJB Approved By: DJB Stamp:
6 IN. X 6 IN. GRADE 2 PT LUMBER POST 4 IN. X 4 IN. GRADE 2 PT LUMBER	Image:
	Image: constraint of the second se
CTION DETAIL	OLD DUCK POND DAM BREACH Gardner, Massachusetts
3 4 ET	GUARD RAIL DETAILS
	C-12 Sheet: 14 of 18



	1			1146 × 9		1145*0
				WF 1 121 /		\backslash
		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		
EEN STREET					1144 × 8	
I/F DN MASS				L MOOD		
1 PAGE 0 32-12-6			1			
					I DIR⊤	
		53 92				
			GRA\$S	Ę		
			WF 1 131			L.
CAN						\mathcal{I}_{+}
	1					₩ <u>2</u> +
			1,146			
		E CO			11 4	1 2
		E E E E	1 46. WF 32 WF 32 WF 32		1145-	
					1 133	
		1154 11 1154 11			1 133	
		1154 11 EOP			1 133	
		1154 <u>11</u>			1 133 WF 1 134 WF 1 134	
		II54 II		61.2 1 1 1 1 1 1 1 1 1 1 1 1 1	1 133 WF 1 134 WF 1 135	136 WP (1)
		II34 II	1		1 133 WF 1 134 WF 1 135	136 WP(1) R
			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	61.2 1.2 1.2 1.2 1.2 1.2 E R=1152	WF 1 134 WF 1 134 WF 1 135	136 WALL
			1 1 1 146. 1 1 132 1 1 132 1 1 132 1 1 132 1 1 132 1 1	61.2 ER=1152	WF 1 134 WF 1 134 WF 1 135	136 WMA 1 EDGE
			1 1 1 1 1 1 1 146. 1 1 1 1 1 1 1 146. 1 1 1 1 1 2 1 1 1 1 2 1 1 1 1 2 1 1 1 1 2 1 1 1 1 2 3 0 1 1 1 1 2 3 0 1 1 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	61.2 () () () () () () () () () ()	WF 1 135	136 B U U U U U U U U U U U U U U U U U U
			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>



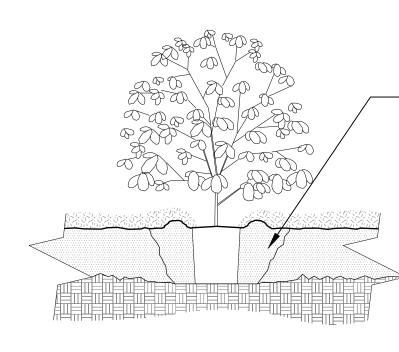




NON-ABRASIVE TIES

- 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		
	2 1 Rev.	BID SET PERMIT SET Description	DJB DJB DJB By	5/30/202 1/9/202 Date
				1
	Des Che	wn By:DTEigned By:DJBcked By:DJBroved By:DJBnp:		
	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