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Legend

- BANK FLAG
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- LAND UNDER WATER
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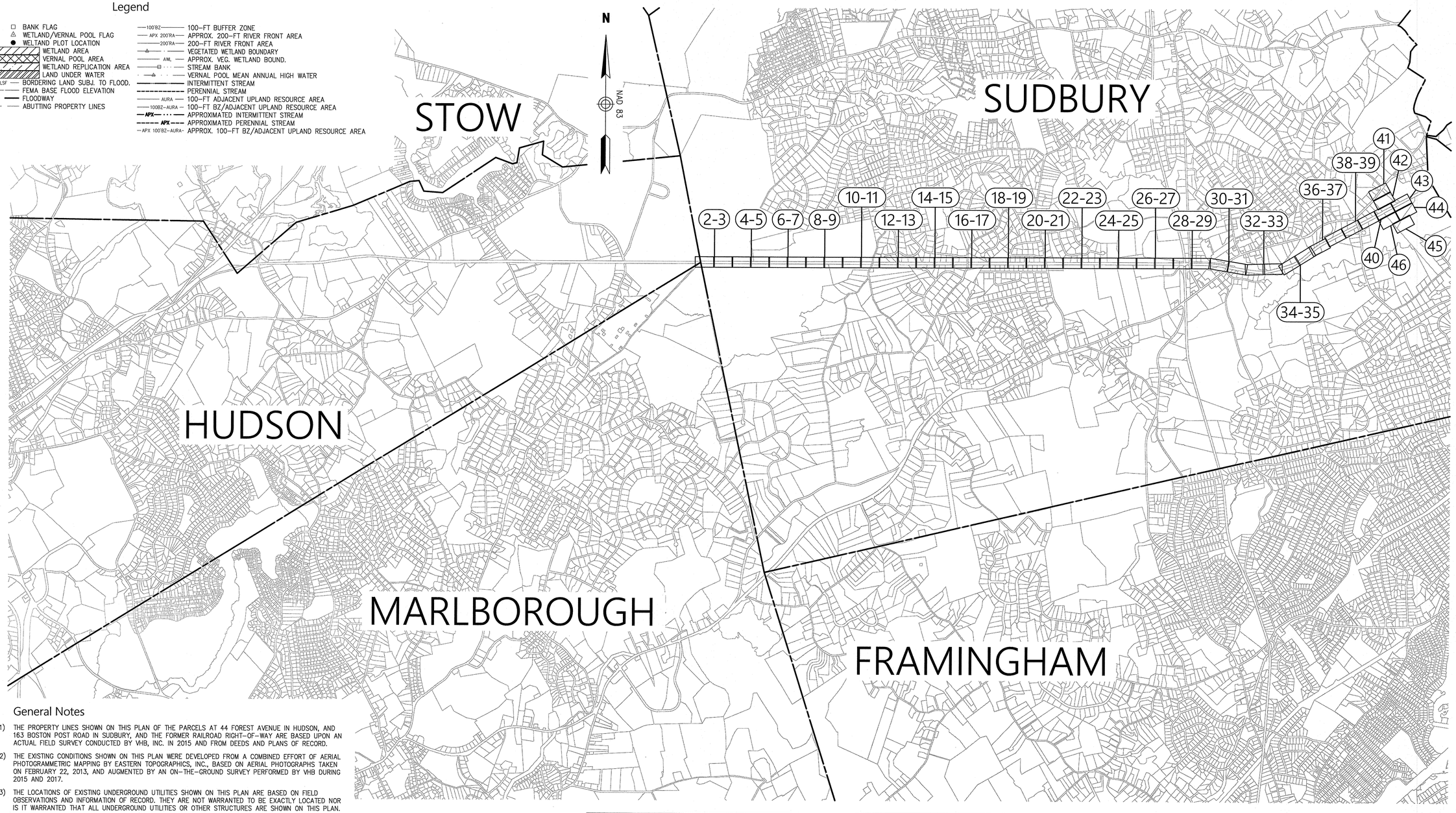

General Notes

1) THE PROPERTY LINES SHOWN ON THIS PLAN OF THE PARCELS AT 44 FOREST AVENUE IN HUDSON, AND 163 BOSTON POST ROAD IN SUDBURY, AND THE FORMER RAILROAD RIGHT-OF-WAY ARE BASED UPON AN ACTUAL FIELD SURVEY CONDUCTED BY VHB, INC. IN 2015 AND FROM DEEDS AND PLANS OF RECORD.

2) THE EXISTING CONDITIONS SHOWN ON THIS PLAN WERE DEVELOPED FROM A COMBINED EFFORT OF AERIAL PHOTOGRAMMETRIC MAPPING BY EASTERN TOPOGRAPHICS, INC., BASED ON AERIAL PHOTOGRAPHS TAKEN ON FEBRUARY 22, 2013, AND AUGMENTED BY AN ON-THE-GROUND SURVEY PERFORMED BY VHB DURING 2015 AND 2017.

3) THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES SHOWN ON THIS PLAN ARE BASED ON FIELD OBSERVATIONS AND INFORMATION OF RECORD. THEY ARE NOT WARRANTED TO BE EXACTLY LOCATED NOR IS IT WARRANTED THAT ALL UNDERGROUND UTILITIES OR OTHER STRUCTURES ARE SHOWN ON THIS PLAN.

4) HORIZONTAL DATUM IS BASED ON MASS. GRID SYSTEM, NAD 1983. ELEVATIONS SHOWN ON THIS PLAN REFER TO NAVD OF 1988.

5) THE DELINEATED WETLANDS SHOWN ON THIS PLAN WERE FLAGGED BY VHB ENVIRONMENTAL DEPARTMENT AND FIELD SURVEYED BY VHB IN SEPTEMBER AND OCTOBER, 2017. UPDATED IN MAY, 2018.

6) WITHIN THE LIMITS OF THE MBTA RIGHT OF WAY, THE LOCATIONS OF THE BLSF BOUNDARIES SHOWN ON THESE PLANS WERE DETERMINED BY A FIELD SURVEY USING TRADITIONAL INSTRUMENT METHODS BY LOCATING THE BASE FLOOD ELEVATIONS. SURVEYS WERE CONDUCTED BY VHB BETWEEN JUNE 26, 2018, AND JULY 16, 2018.

7) THE APPROXIMATE WETLANDS AND STREAMS WERE TAKEN FROM AVAILABLE MASSGIS DATA. THESE WERE NOT FIELD DELINEATED OR FIELD VERIFIED.

8) VHB UTILIZED A GPS SYSTEM THAT USES A LEICA RTK NETWORK TO OBTAIN REAL TIME CORRECTIONS TO THE READINGS. IN LOCATIONS WHERE THE FLAGS WERE LOCATED WITH GPS, THE 3D QUALITY WAS PLUS OR MINUS 0.25'. IN AREAS THAT WERE TOO THICK TO ALLOW THE GPS TO OBTAIN THE LEVEL OF 3D QUALITY, A TOTAL STATION WAS USED TO LOCATE THE FLAG WHICH HAS AN ACCURACY OF PLUS OR MINUS 0.02'

COMMONWEALTH OF MASSACHUSETTS
RUSSELL J. BOUSQUET
NO. 35389
REGISTERED PROFESSIONAL LAND SURVEYOR

7/24/18

1500 0 1500 3000
1"=1,500'

STRUCTURES

NO.	TYPE	HEIGHT	SPAN	GUYS

Prepared By

Vanasse Hangen Brustlin, Inc.

vhb

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Environmental Services

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REVISIONS

NO.	COMMENTS	DATE
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2.	ADDED STATIONING	3/28/2018
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7.	UPDATED BLSF LINES	6/18/2018
8.	UPDATED BLSF LINES AND GEN. NOTES	7/24/2018

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DRAWING NAME: 12970.01-ANRAD-Sudbury.dwg

FIELD BOOK. NO:

Project Title

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Sudbury, Massachusetts

Drawing Title

Existing Conditions Plan For ANRAD Submittal

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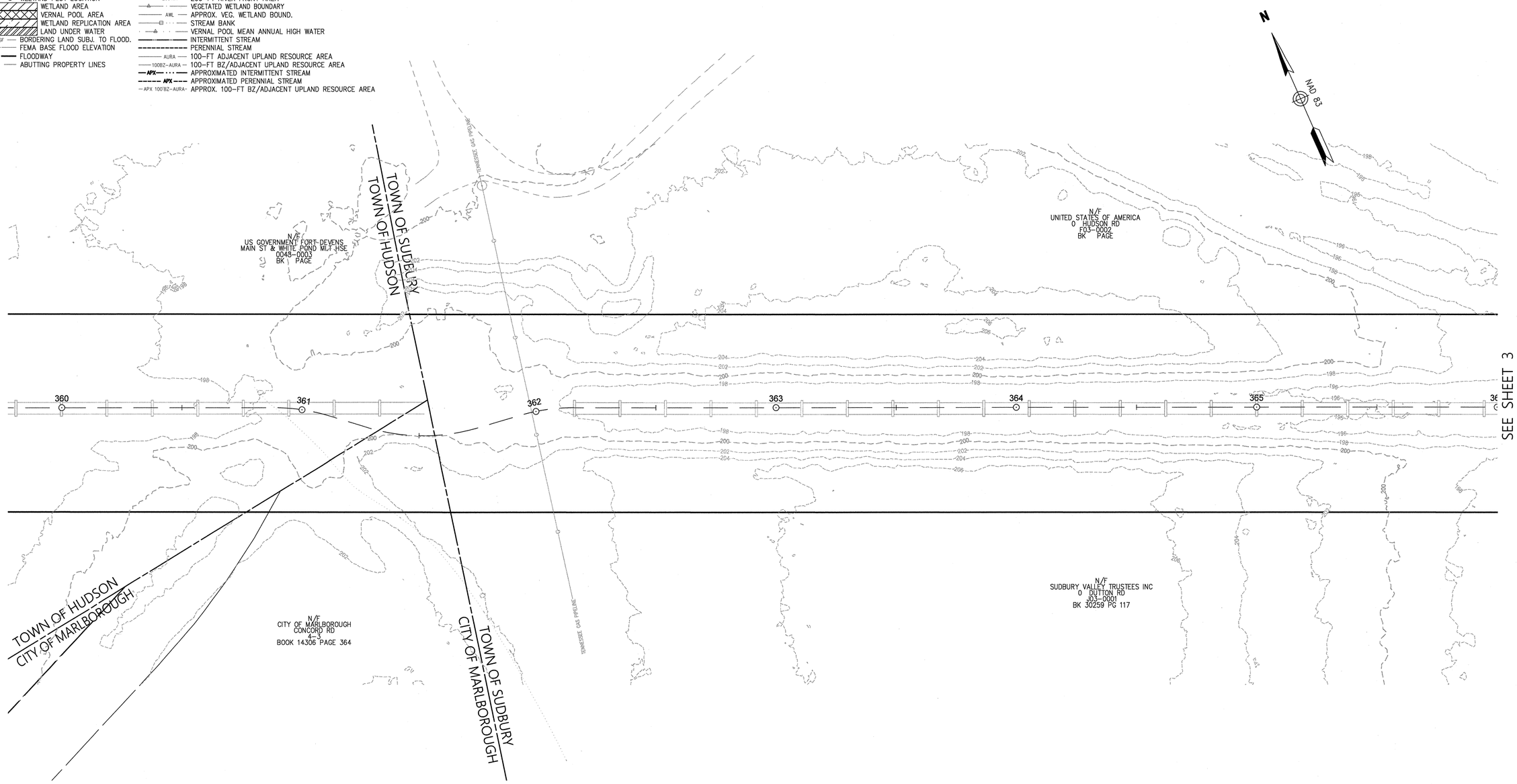

20 0 20 40
1"=20'

COMMONWEALTH OF MASSACHUSETTS
RUSSELL J. BOUSQUET
NO. 35389
REGISTERED PROFESSIONAL LAND SURVEYOR
7/26/18

STRUCTURES				
NO.	TYPE	HEIGHT	SPAN	GUYS

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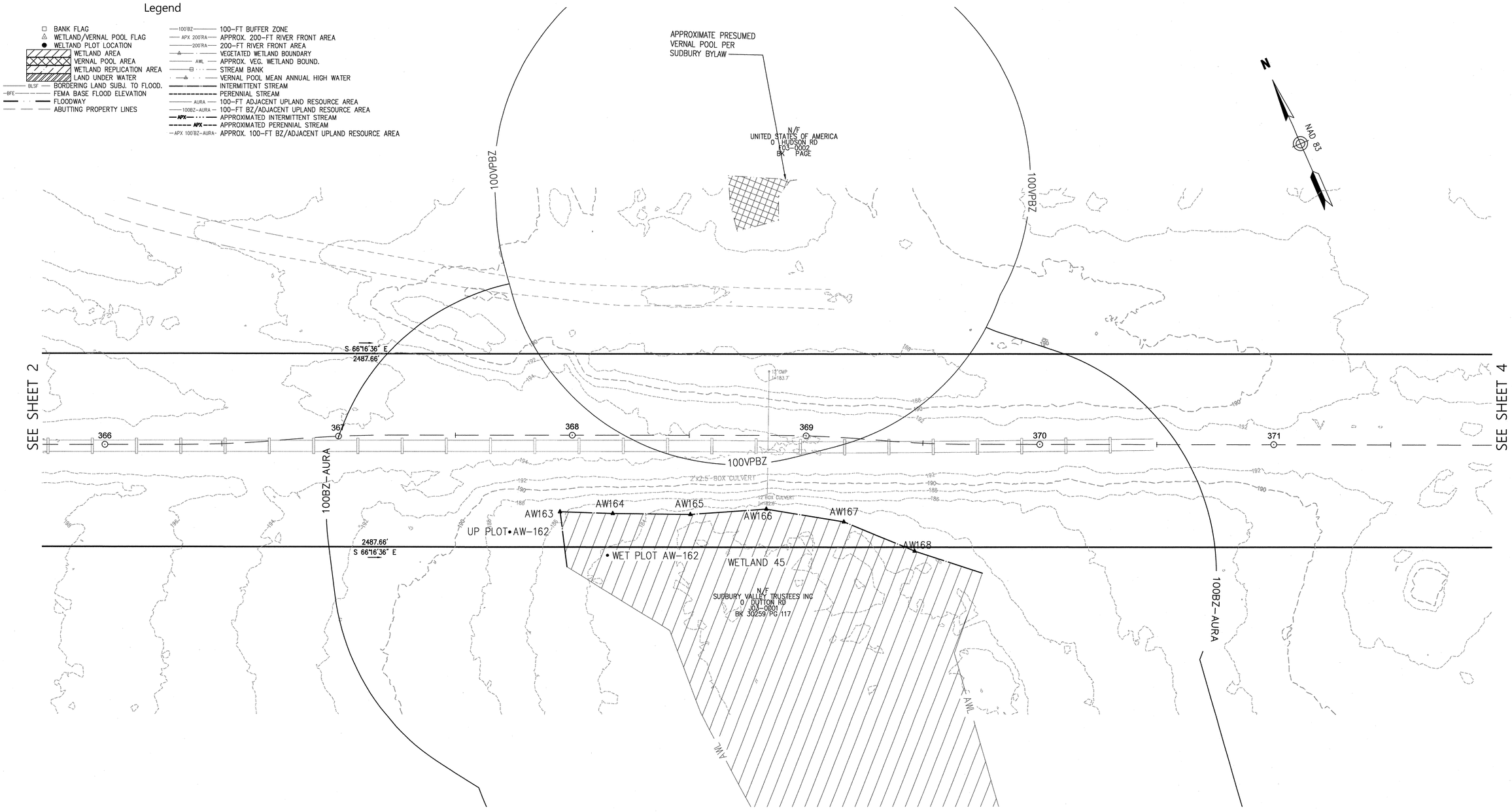

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Russell J. Bousquet 7/24/18

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SHEET 3 OF 46

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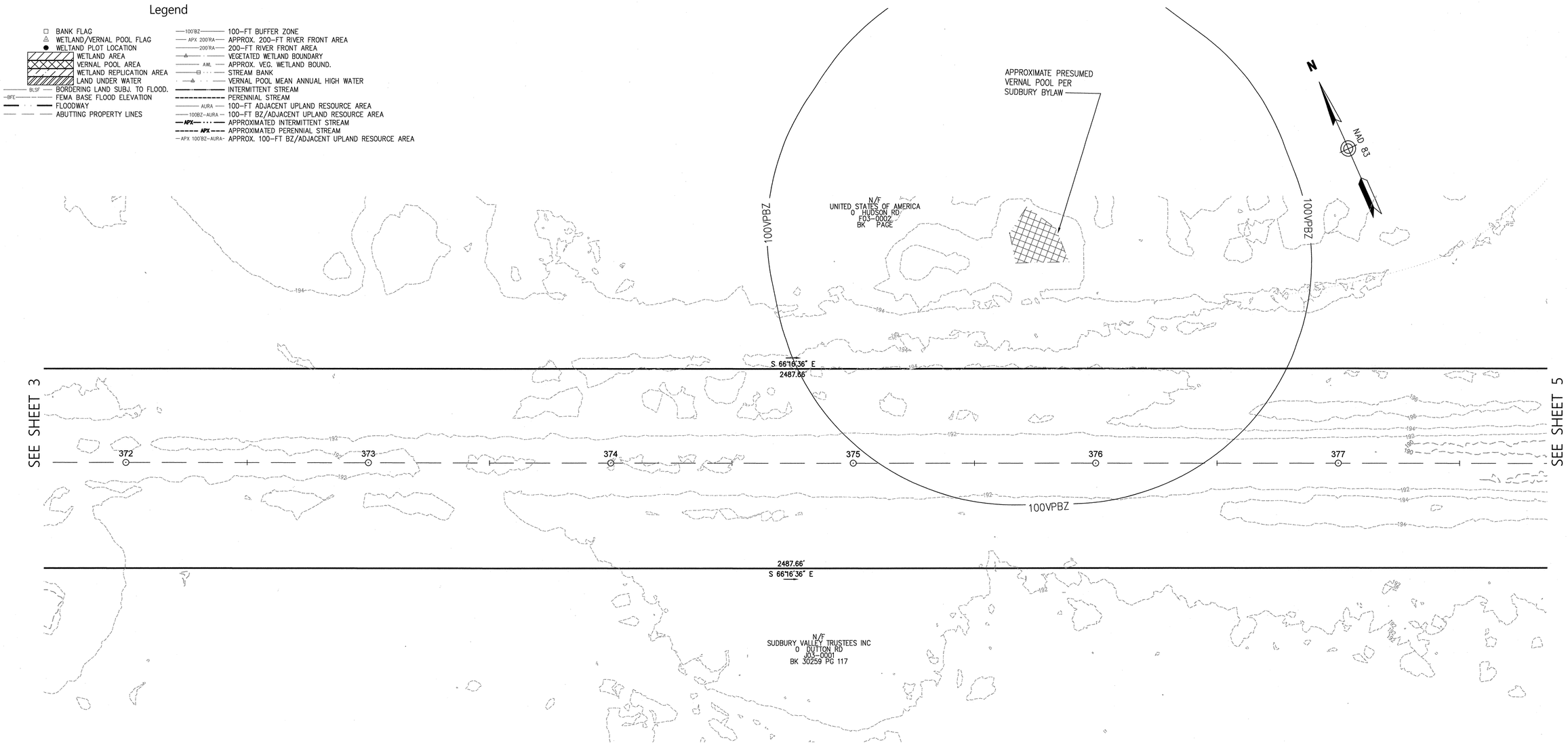

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1"=20'

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NO. 35389
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7/24/18

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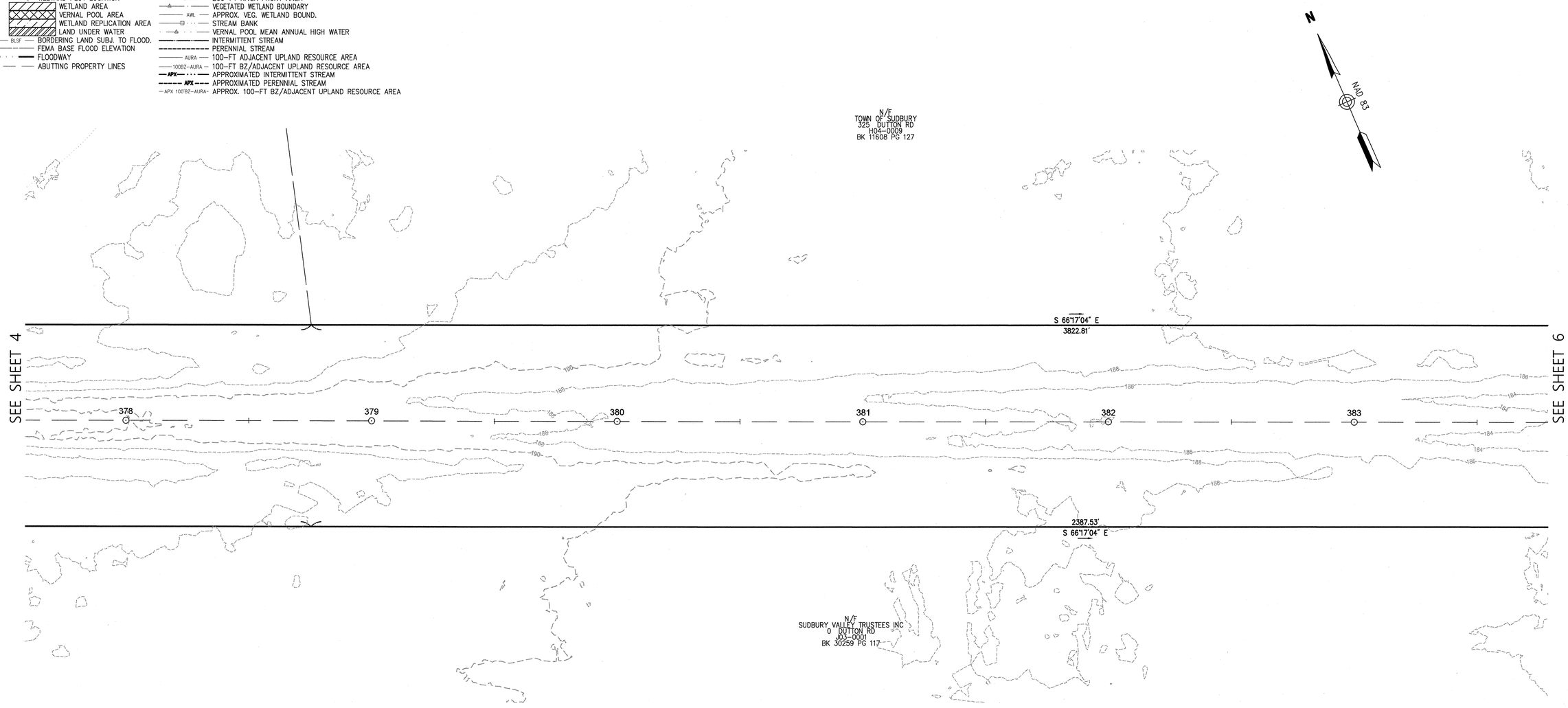

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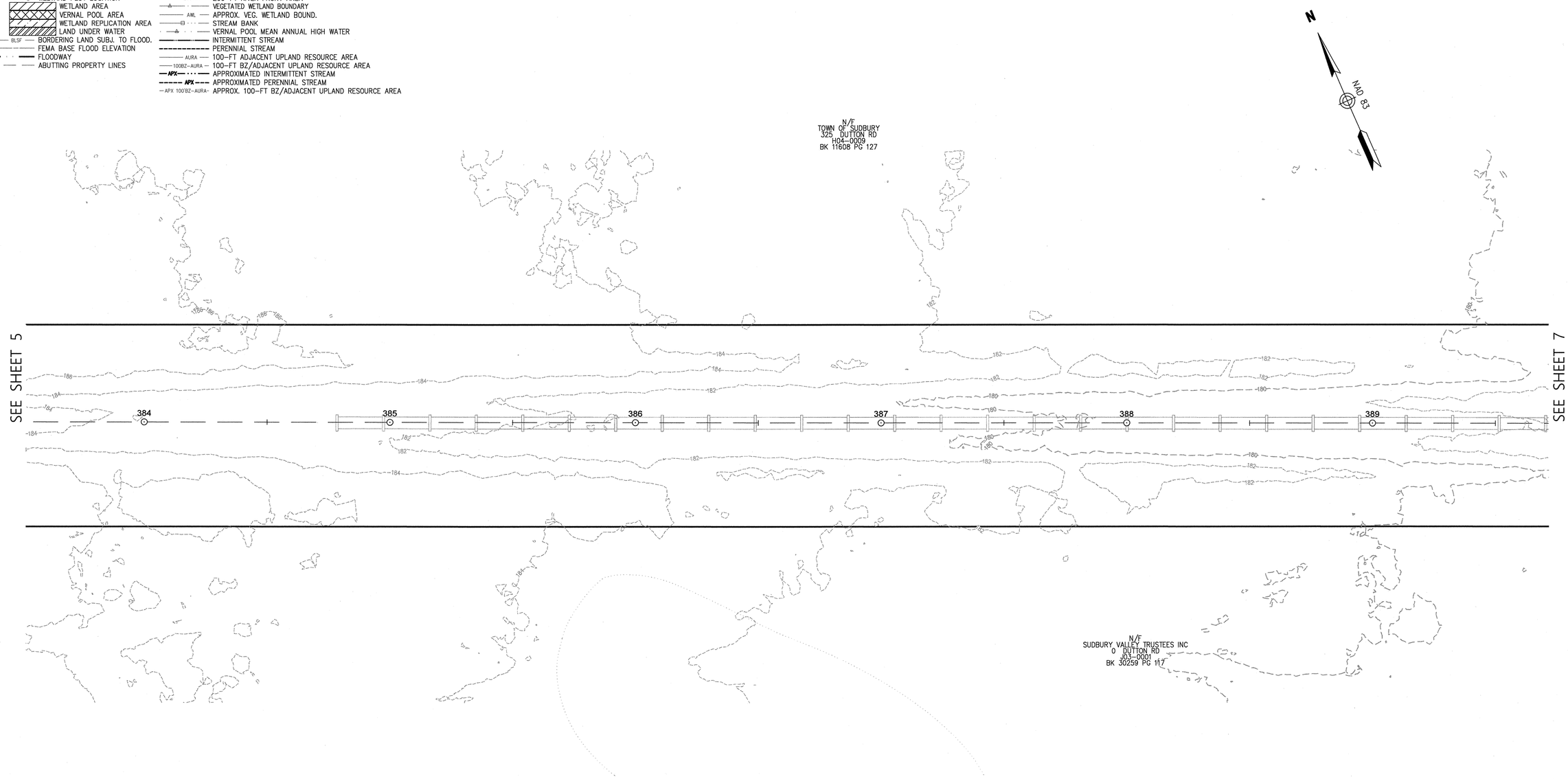

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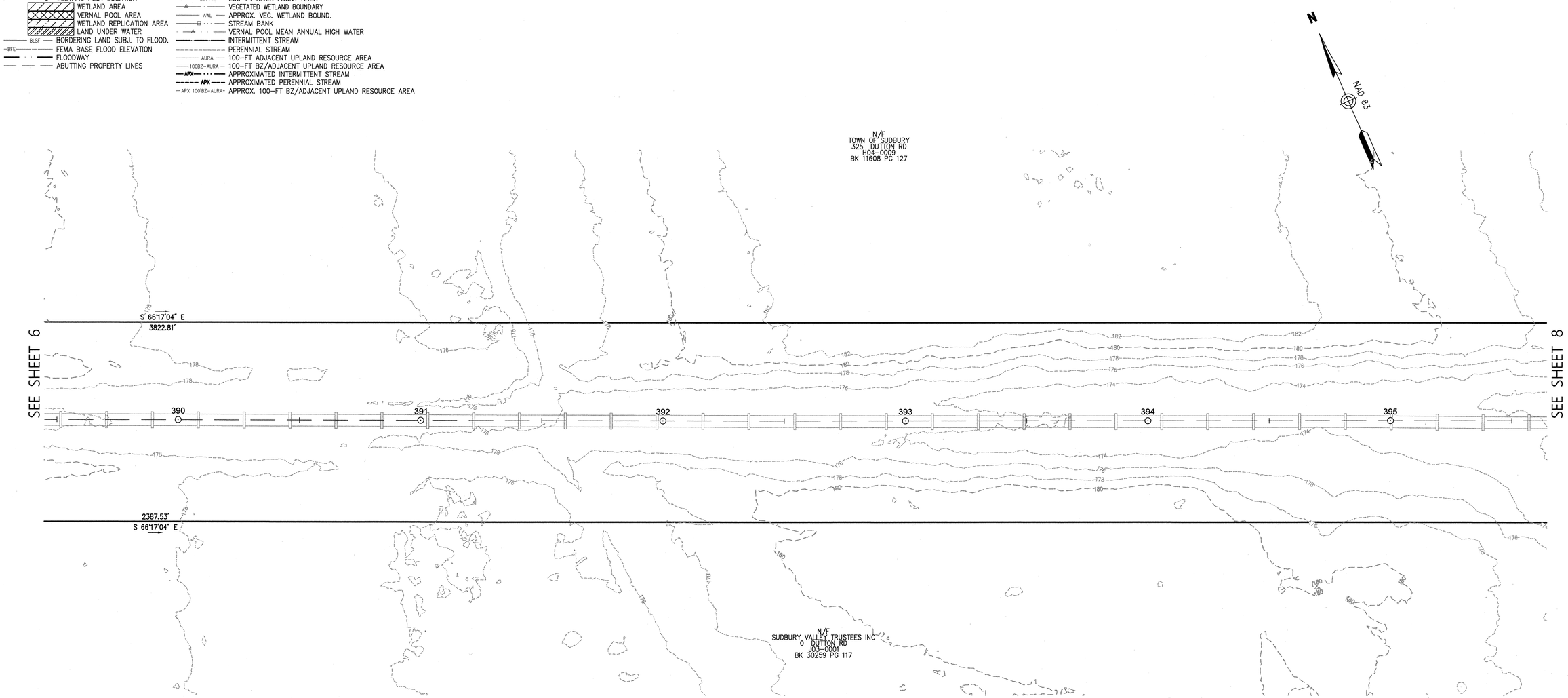

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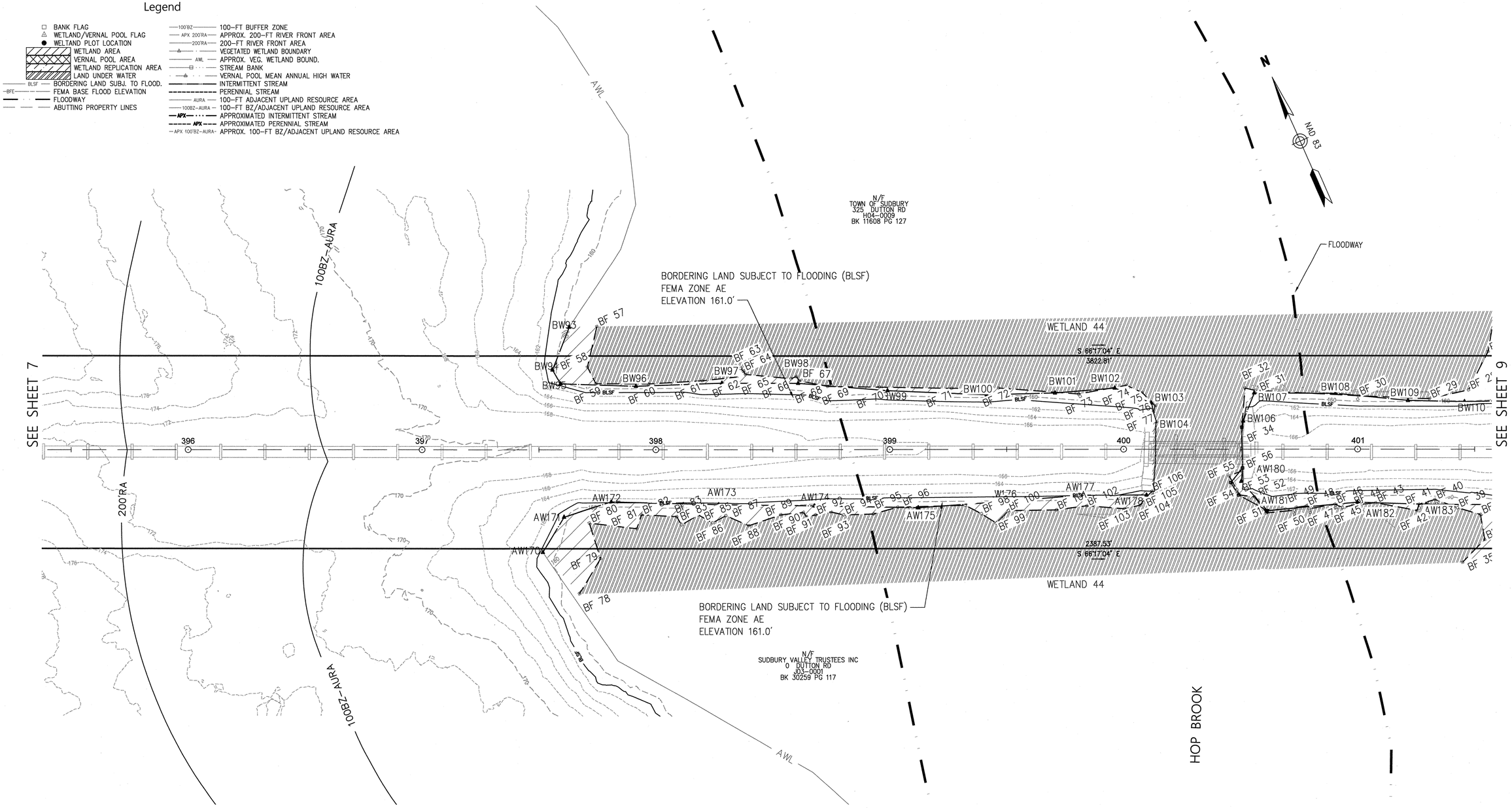

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1"=20'

COMMONWEALTH OF MASSACHUSETTS
RUSSELL J. BOUSQUET
NO. 35389
REGISTERED
PROFESSIONAL LAND SURVEYOR
7/24/18

STRUCTURES				
NO.	TYPE	HEIGHT	SPAN	GUYS

Prepared By

Vanasse Hangen Brustlin, Inc.

vhb

Transportation
Land Development
Environmental Services

101 Walnut Street, P.O. Box9151
Watertown, Massachusetts 02471-9151
617.924.1770 • FAX 617.924.2286

REVISIONS

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8.	UPDATED BLSF LINES AND GEN. NOTES	7/24/2018

Issued For

EVERSOURCE ENERGY

SCALE: 20 FEET TO THE INCH

DRAWING NAME: 12970.01-ANRAD-Sudbury.dwg

FIELD BOOK. NO:

Project Title

Sudbury-Hudson Transmission Reliability Project

Sudbury, Massachusetts

Drawing Title

Existing Conditions Plan For ANRAD Submittal

DATE: OCTOBER 18, 2017

SHEET 8 OF 46

Saved Wednesday, July 25, 2018 2:01:47 PM SRYAN Plotted Wednesday, July 25, 2018 2:06:26 PM Ryan, Steven \\VHB\PROJ\WAT-LD\12970.01 SUDBURY-HUDSON-SURVEY\CAD\SR\PLANSET\ANRAD\12970.01-ANRAD-SUDBURY

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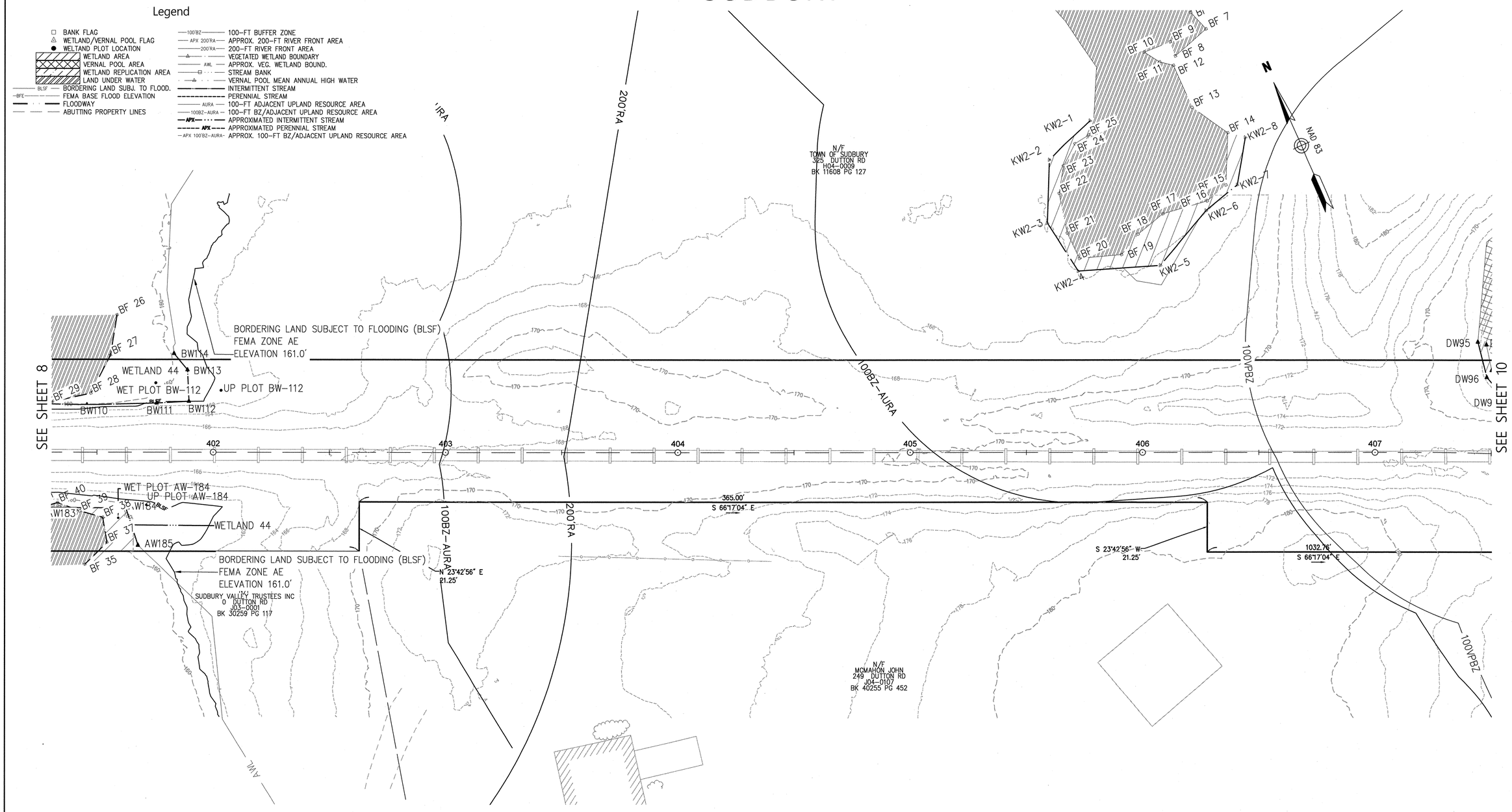

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SUDBURY

Legend

- BANK FLAG
- WETLAND/VERNAL POOL FLAG
- WELTAND PLOT LOCATION
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- LAND UNDER WATER
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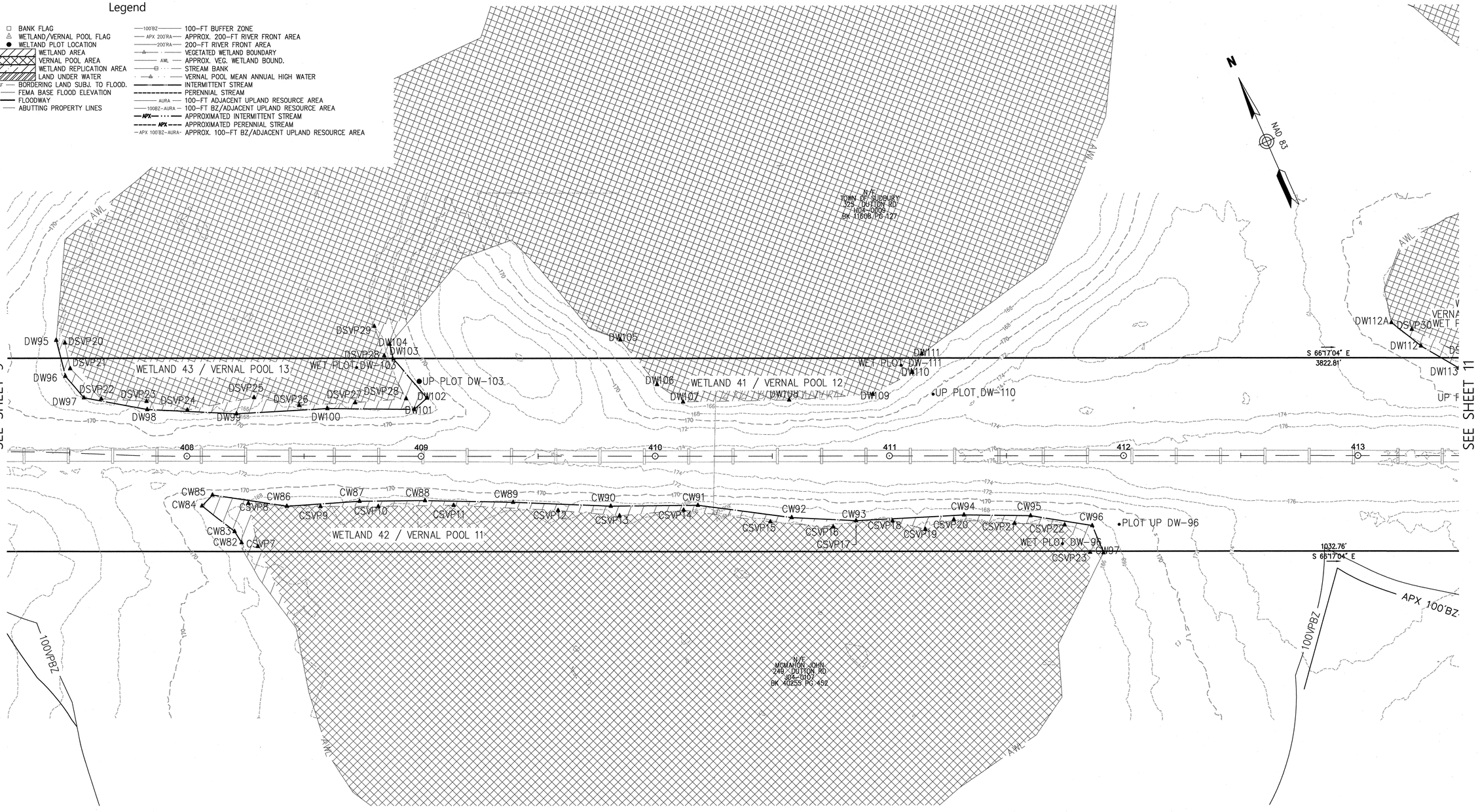

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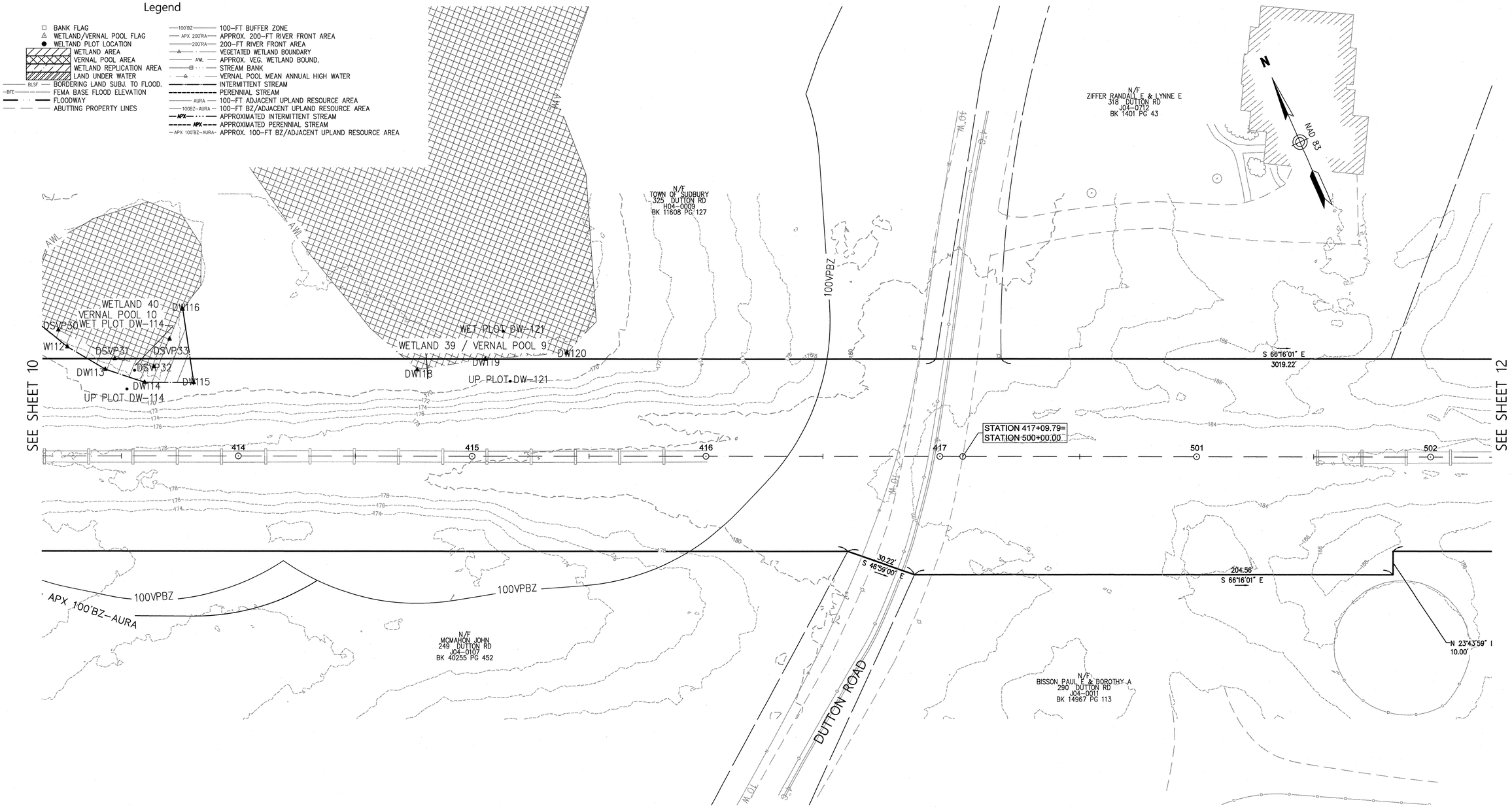

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RUSSELL J. BOUSQUET
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REGISTERED PROFESSIONAL LAND SURVEYOR
7/24/18

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Drawing Title
Existing Conditions Plan
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SHEET 11 OF 46

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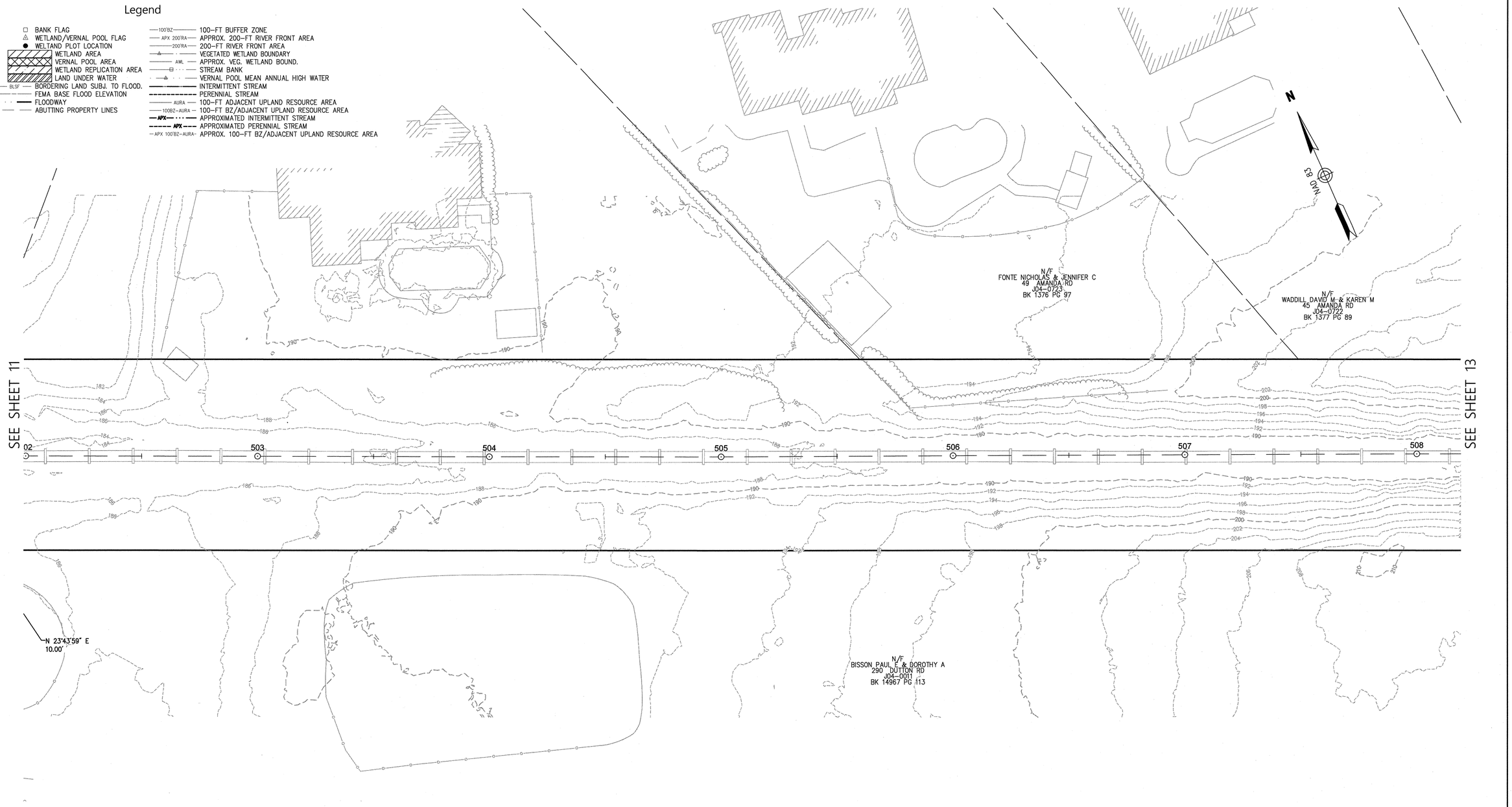

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Sudbury, Massachusetts

Drawing Title

Existing Conditions Plan For ANRAD Submittal

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SHEET 12 OF 46

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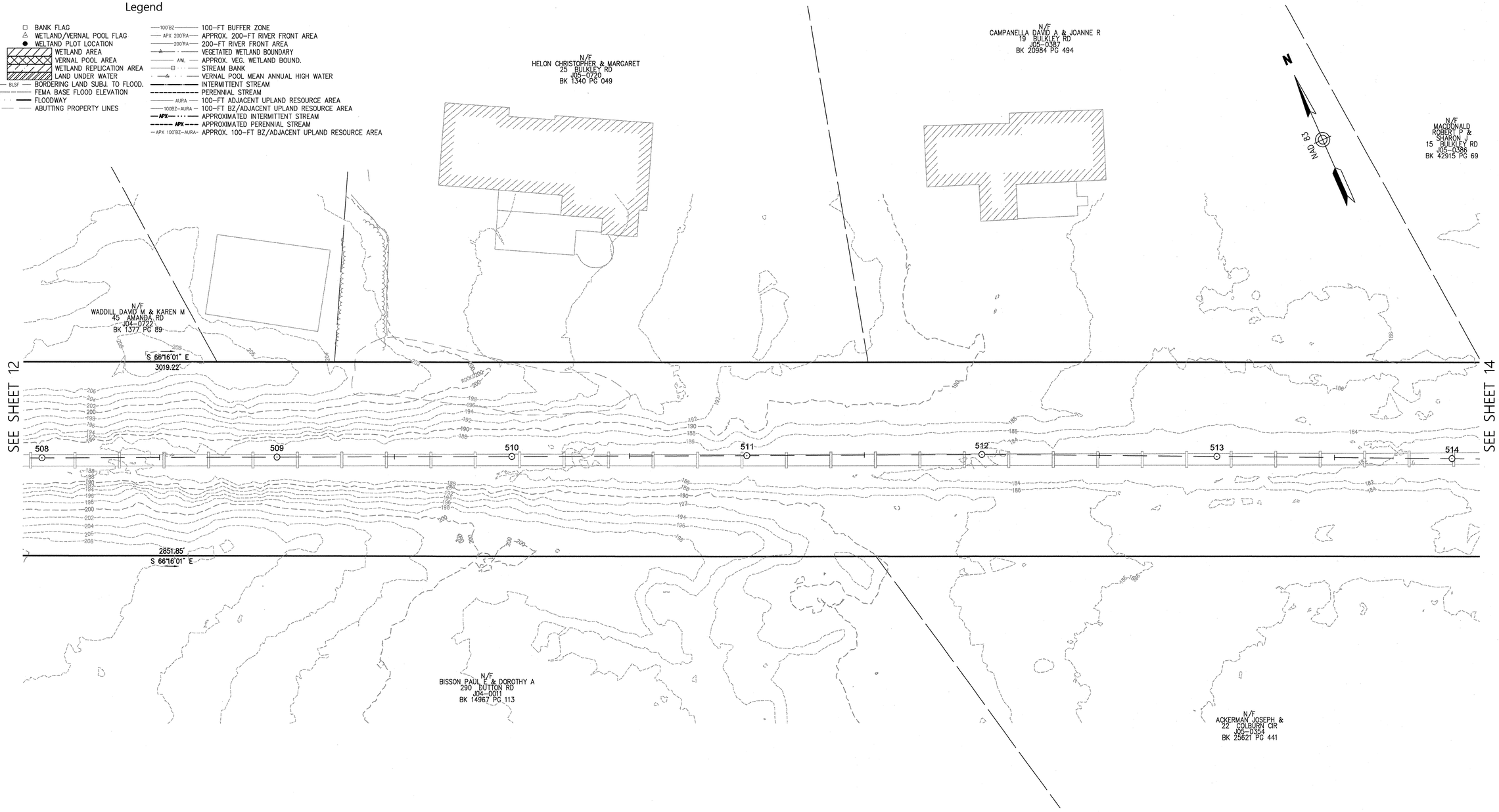

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COMMONWEALTH OF MASSACHUSETTS
RUSSELL J. BOUSQUET
NO. 35389
REGISTERED
PROFESSIONAL LAND SURVEYOR
7/24/18

STRUCTURES				
NO.	TYPE	HEIGHT	SPAN	GUYS

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Sudbury, Massachusetts

Drawing Title
Existing Conditions Plan
For ANRAD Submittal

DATE: OCTOBER 18, 2017

SHEET 13 OF 46

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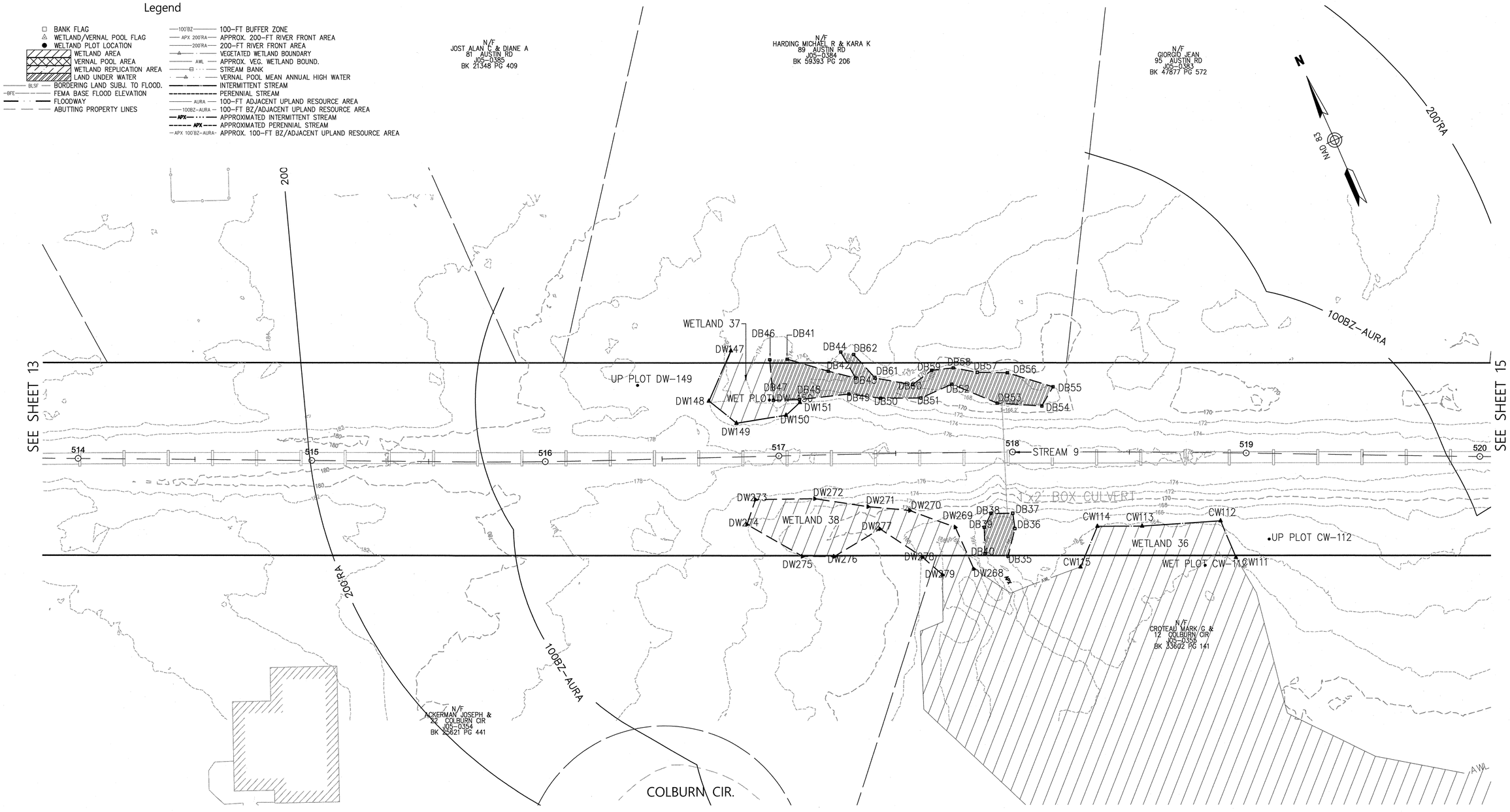

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4/24/18

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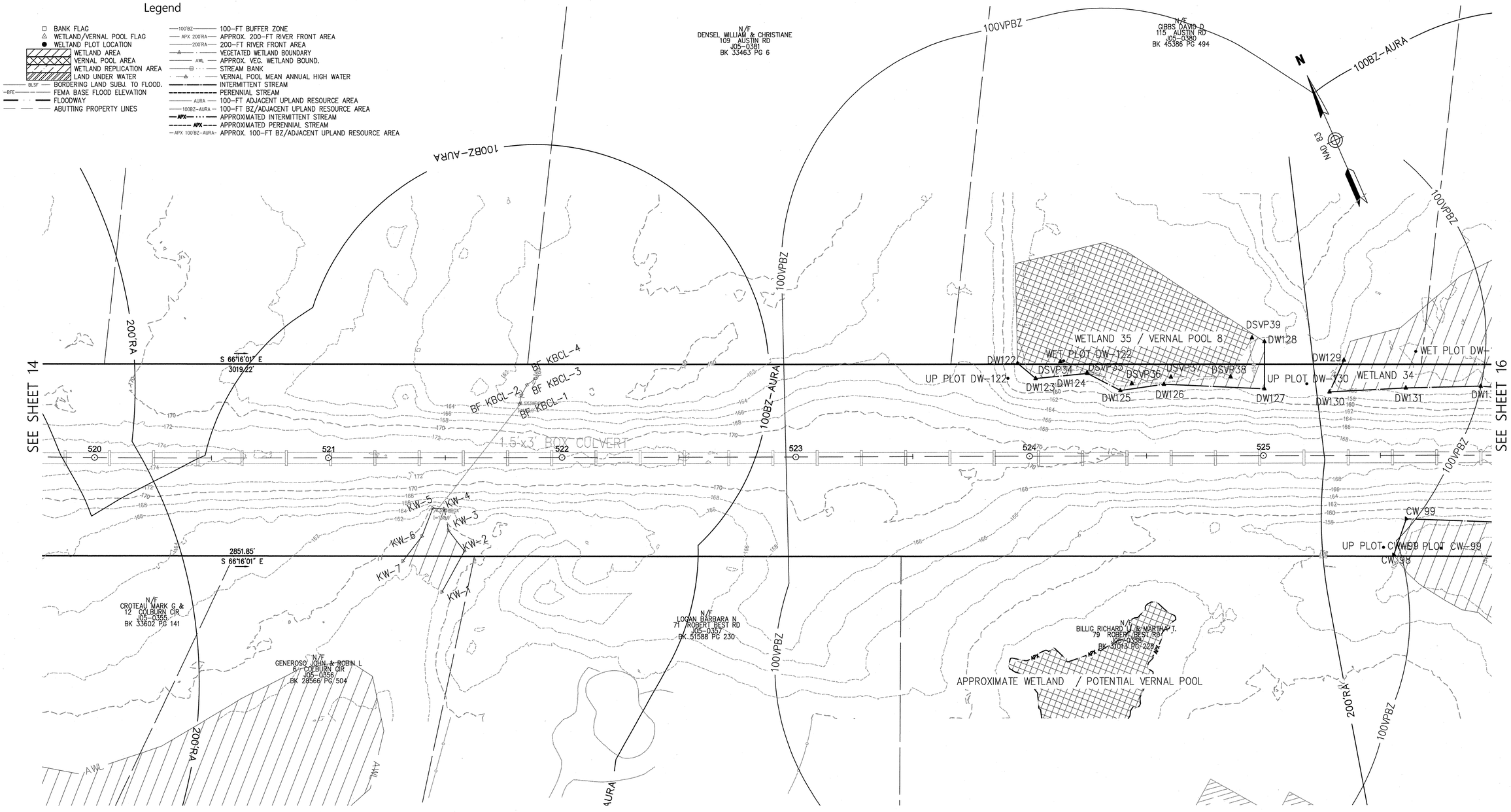

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Russell J. Bousquet 7/24/18

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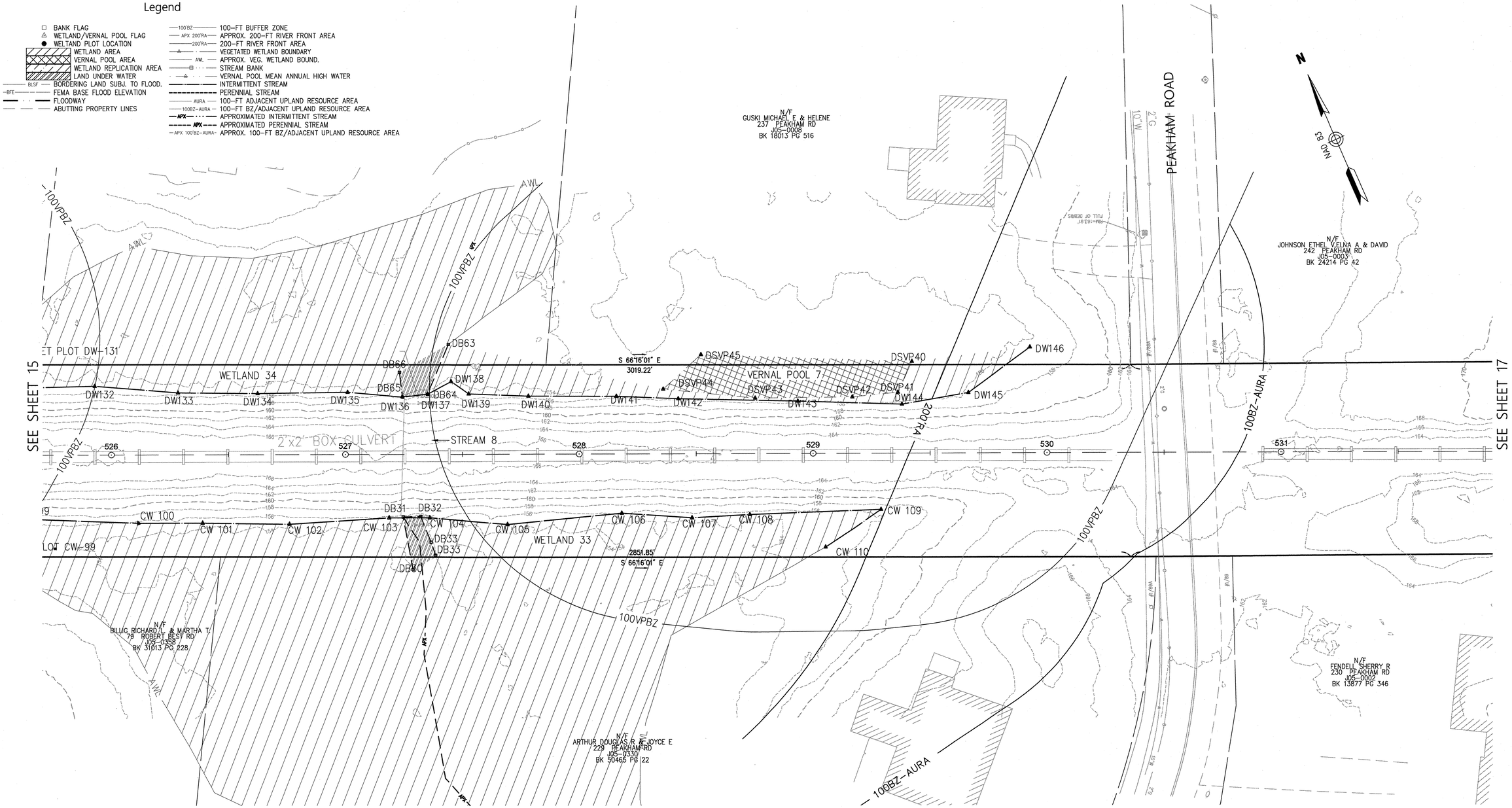

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COMMONWEALTH OF MASSACHUSETTS
RUSSELL J. BOUSQUET
NO. 35389
REGISTERED PROFESSIONAL LAND SURVEYOR
7/24/18

STRUCTURES				
NO.	TYPE	HEIGHT	SPAN	GUYS

Prepared By
Vanasse Hangen Brustlin, Inc.
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Transportation
Land Development
Environmental Services
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Watertown, Massachusetts 02471-9151
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REVISIONS

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SCALE: 20 FEET TO THE INCH

DRAWING NAME: 12970.01-ANRAD-Sudbury.dwg

FIELD BOOK. NO:

Project Title
Sudbury-Hudson Transmission Reliability Project
Sudbury, Massachusetts

Drawing Title
Existing Conditions Plan
For ANRAD Submittal

DATE: OCTOBER 18, 2017

SHEET 16 OF 46

Saved Wednesday, July 25, 2018 2:01:47 PM SRYAN Plotted Wednesday, July 25, 2018 2:10:37 PM Ryan, Steven \\VHB\PROJ\WAT-LD\12970.01 SUDBURY-HUDSON-SURVEY\CAD\SR\PLANSET\ANRAD\12970.01-ANRAD-SUDBURY

SUDBURY

Legend

- BANK FLAG
- WETLAND/VERNAL POOL FLAG
- WELTAND PLOT LOCATION
- WETLAND AREA
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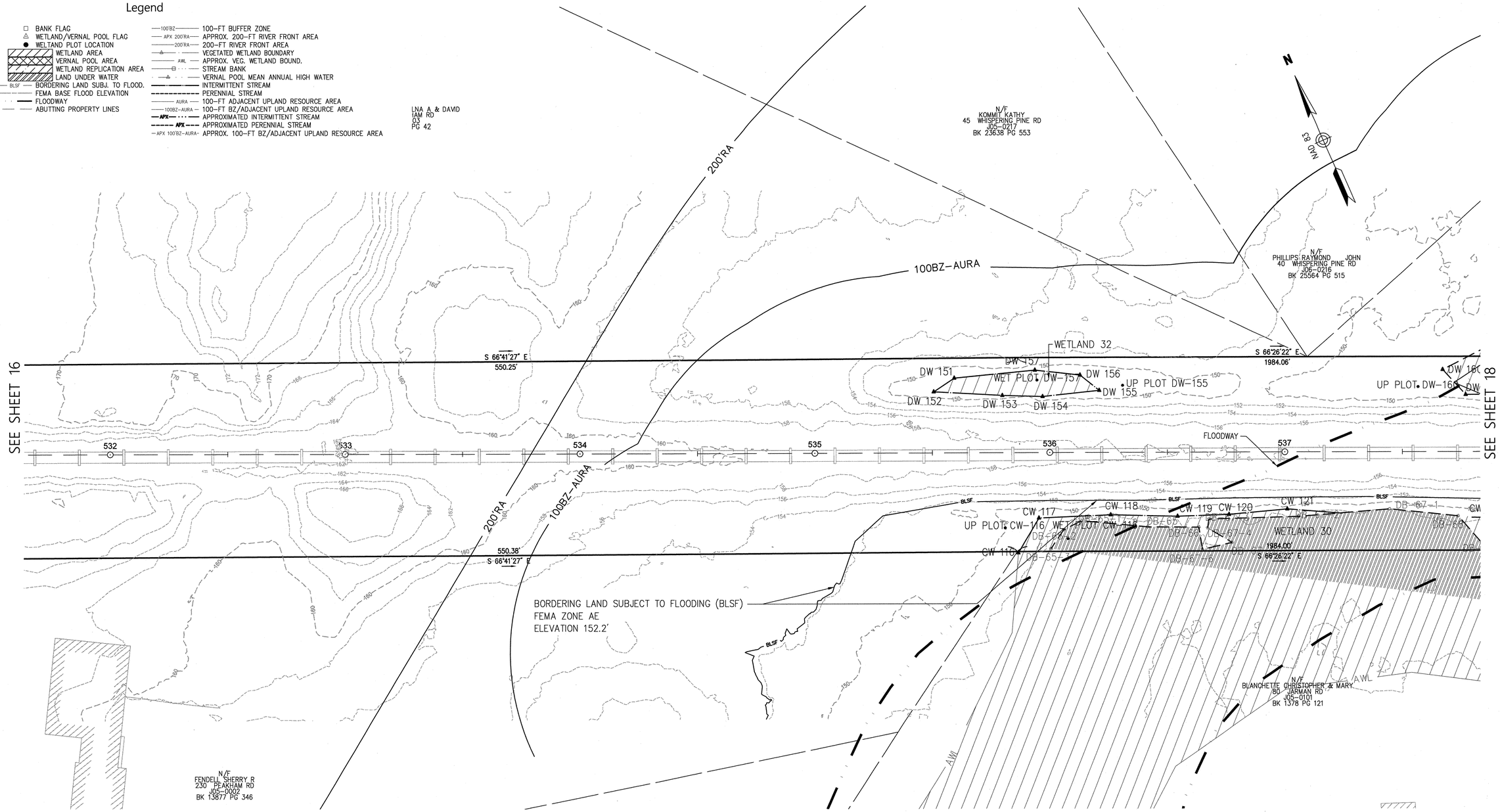

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COMMONWEALTH OF MASSACHUSETTS
RUSSELL J. BOUSQUET
NO. 35389
REGISTERED PROFESSIONAL LAND SURVEYOR
7/24/18

STRUCTURES				
NO.	TYPE	HEIGHT	SPAN	GUYS

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Drawing Title
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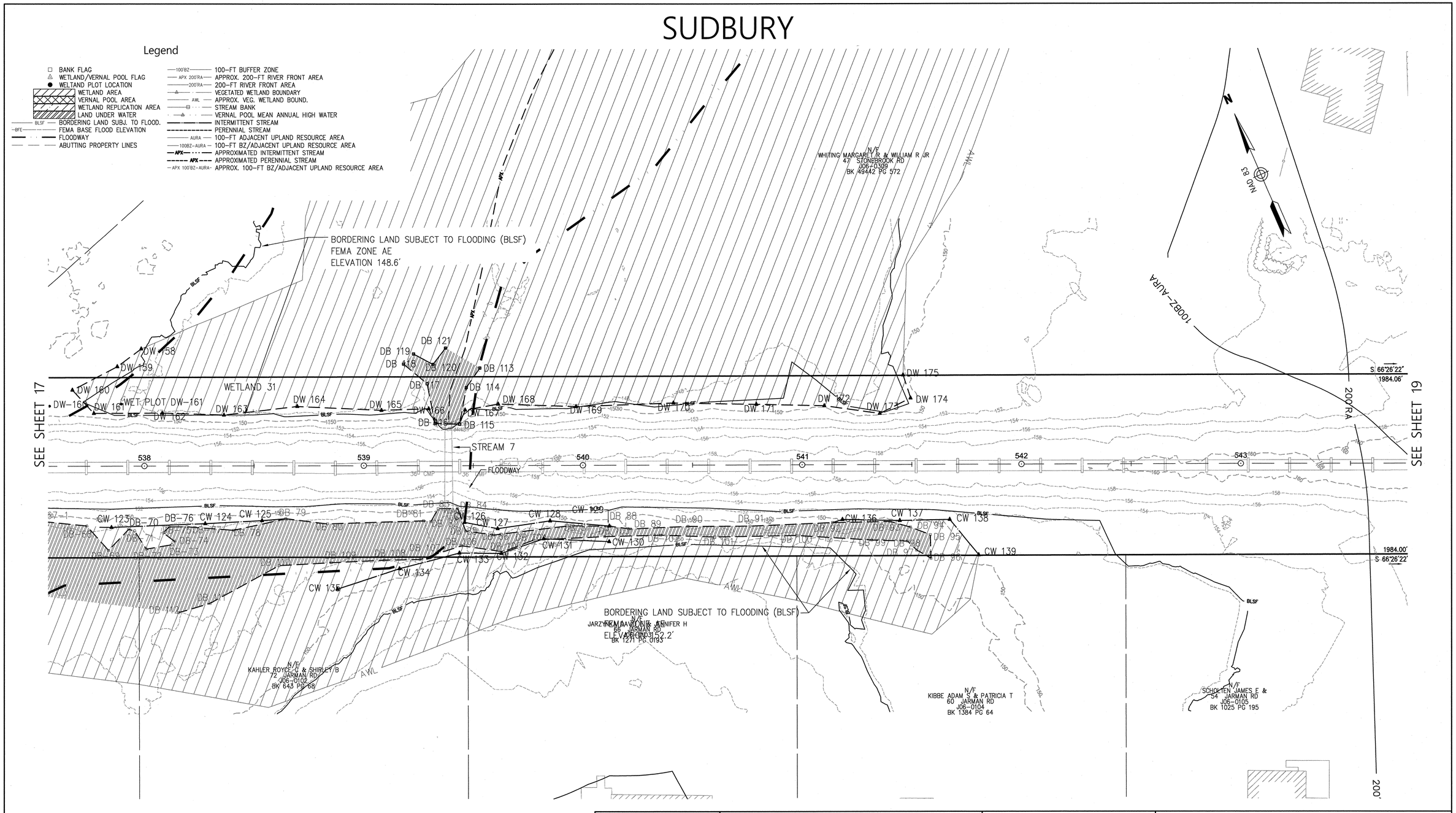
SHEET 17 OF 46

Saved Wednesday, July 25, 2018 2:01:47 PM SRYAN Plotted Wednesday, July 25, 2018 2:11:01 PM Ryan, Steven \\VHB\PROJ\WAT-LO\12970.01 SUDBURY-HUDSON-SURVEY\CAD\SR\PLANSET\ANRAD\12970.01-ANRAD-SUDBURY

SUDBURY



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COMMONWEALTH OF MASSACHUSETTS
RUSSELL J. BOUSQUET
NO. 35389
RESISTERED PROFESSIONAL LAND SURVEYOR
7/24/18

STRUCTURES				
NO.	TYPE	HEIGHT	SPAN	GUYS

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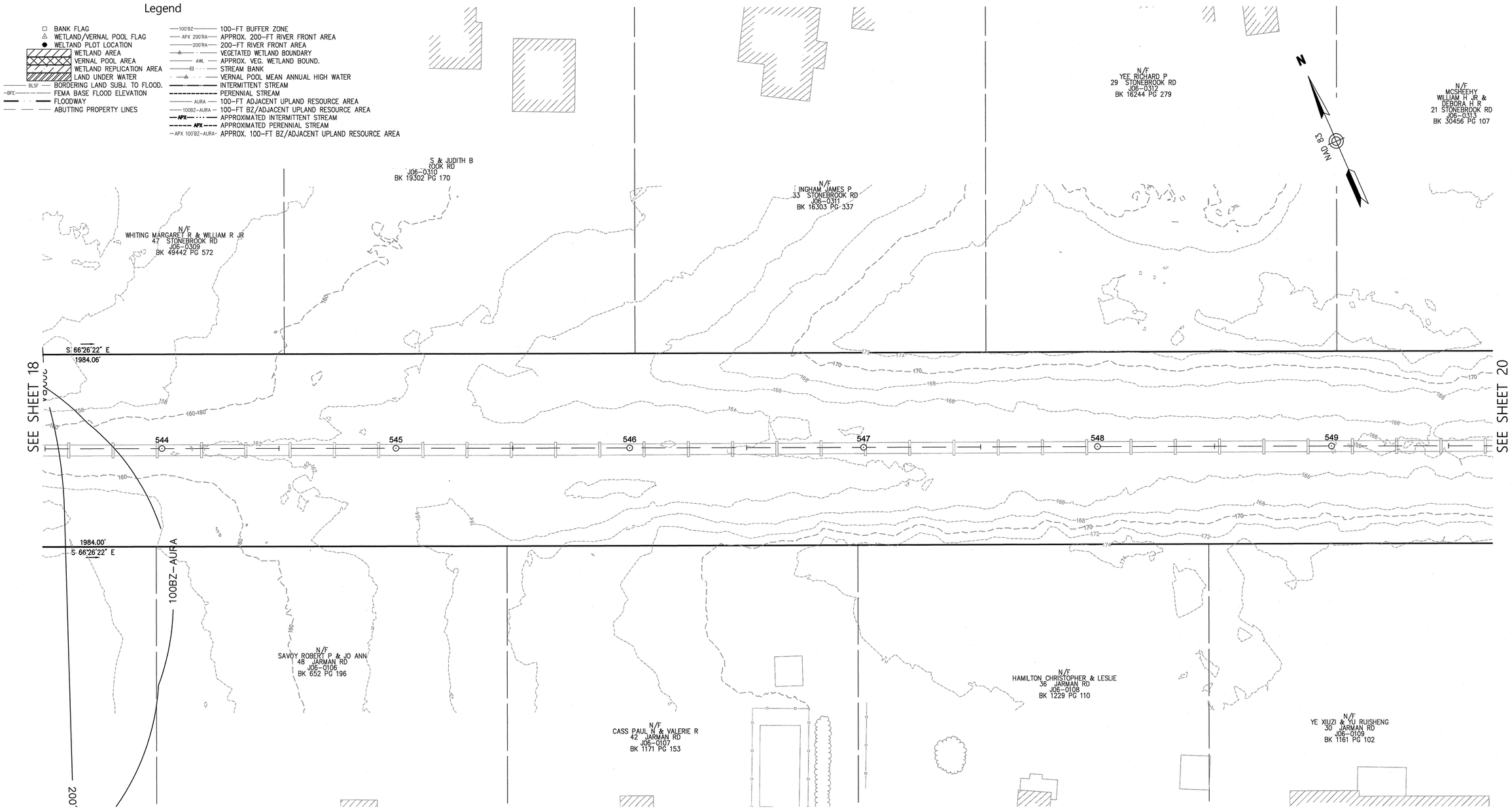

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Sudbury, Massachusetts

Drawing Title

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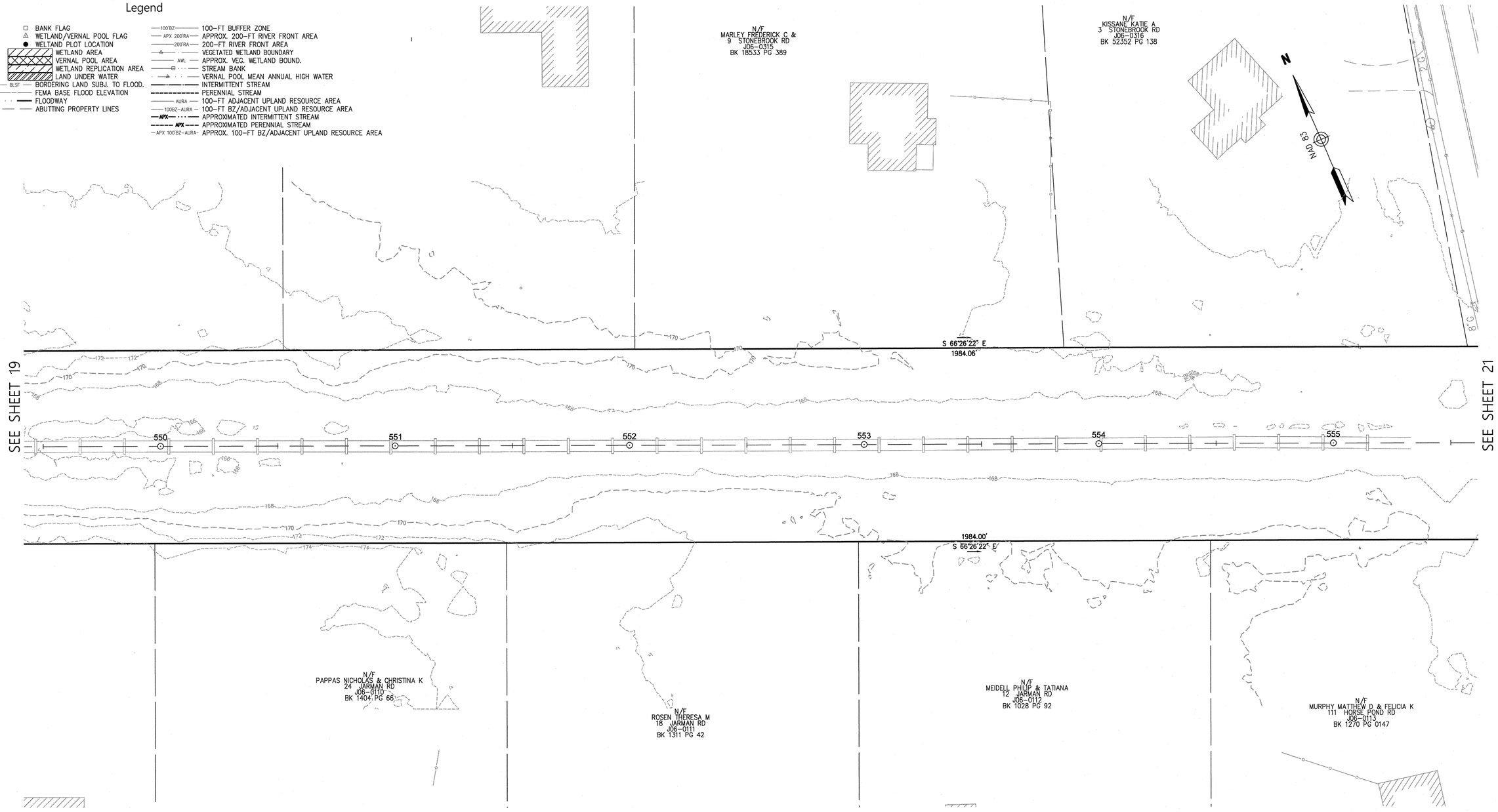

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COMMONWEALTH OF MASSACHUSETTS
RUSSELL J. BOUSQUET
NO. 35389
REGISTERED PROFESSIONAL LAND SURVEYOR
7/24/18

STRUCTURES				
NO.	TYPE	HEIGHT	SPAN	GUYS

Prepared By
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vhb
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FIELD BOOK. NO:

Project Title
Sudbury-Hudson Transmission Reliability Project
Sudbury, Massachusetts

Drawing Title
Existing Conditions Plan For ANRAD Submittal

DATE: OCTOBER 18, 2017

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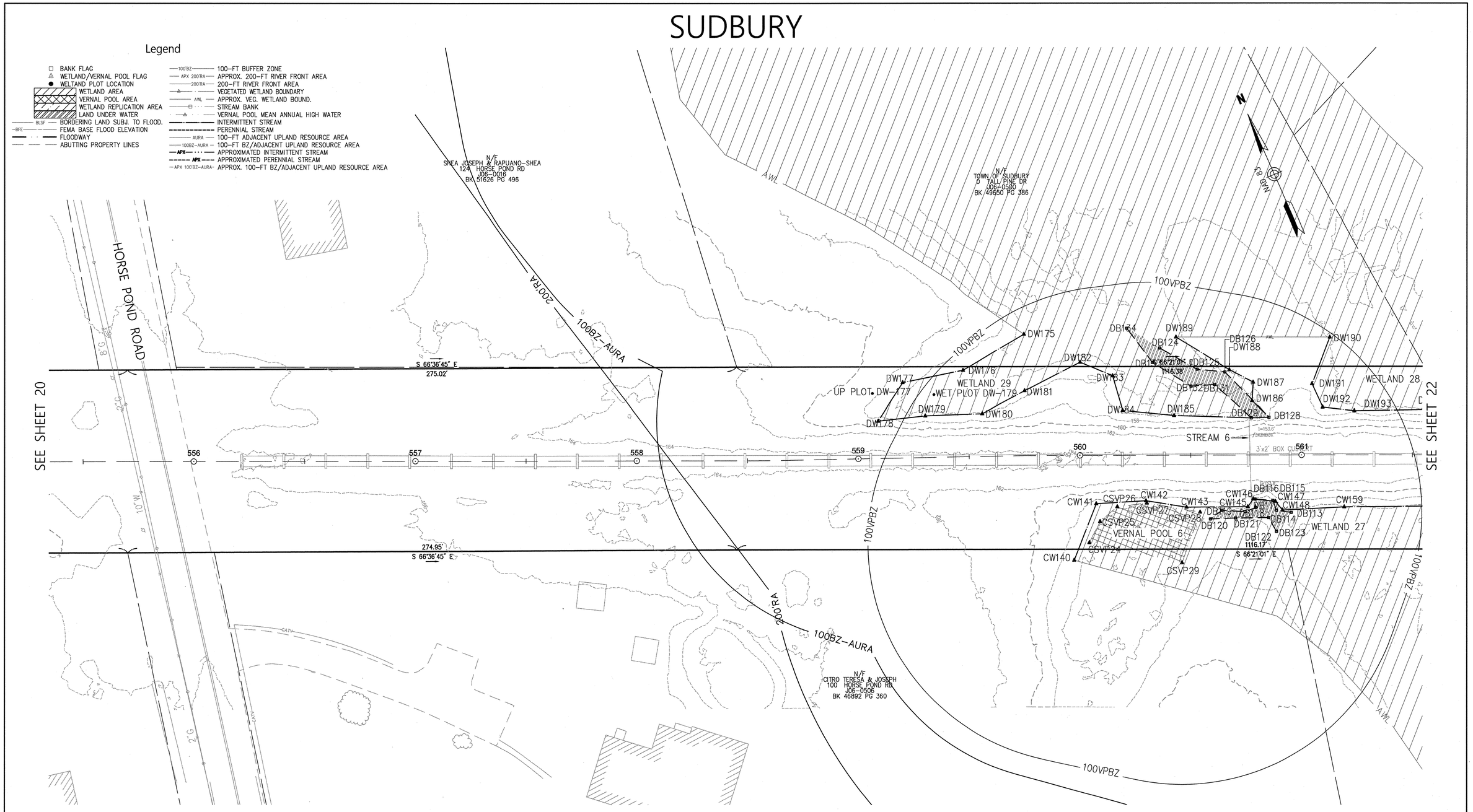

STRUCTURES				
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COMMONWEALTH OF MASSACHUSETTS
RUSSELL J. BOUSQUET
NO. 35389
REGISTERED PROFESSIONAL LAND SURVEYOR
7/24/18

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Project Title

Sudbury-Hudson Transmission Reliability Project

Sudbury, Massachusetts

Drawing Title

Existing Conditions Plan For ANRAD Submittal

DATE: OCTOBER 18, 2017

SHEET 21 OF 46

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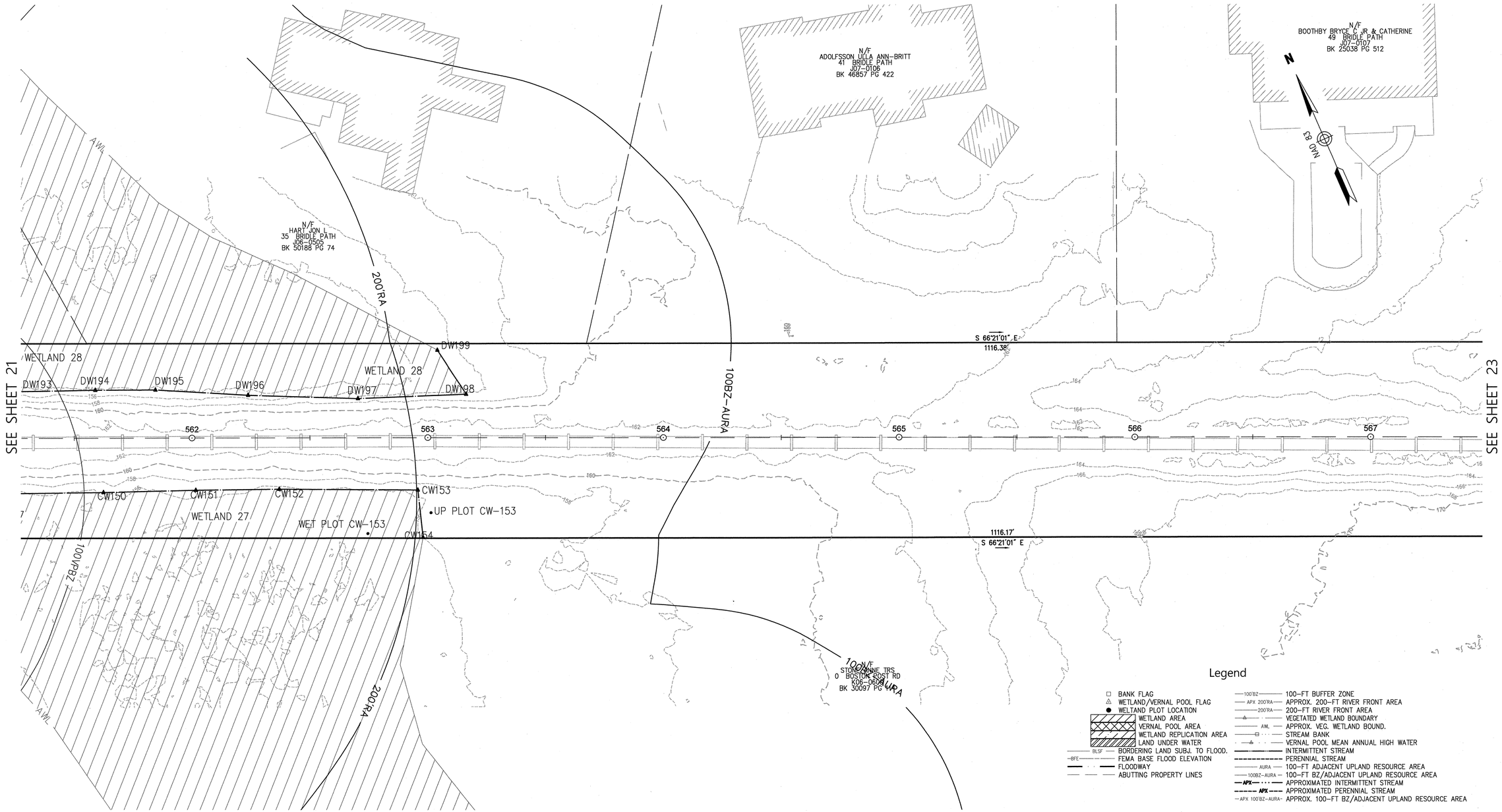

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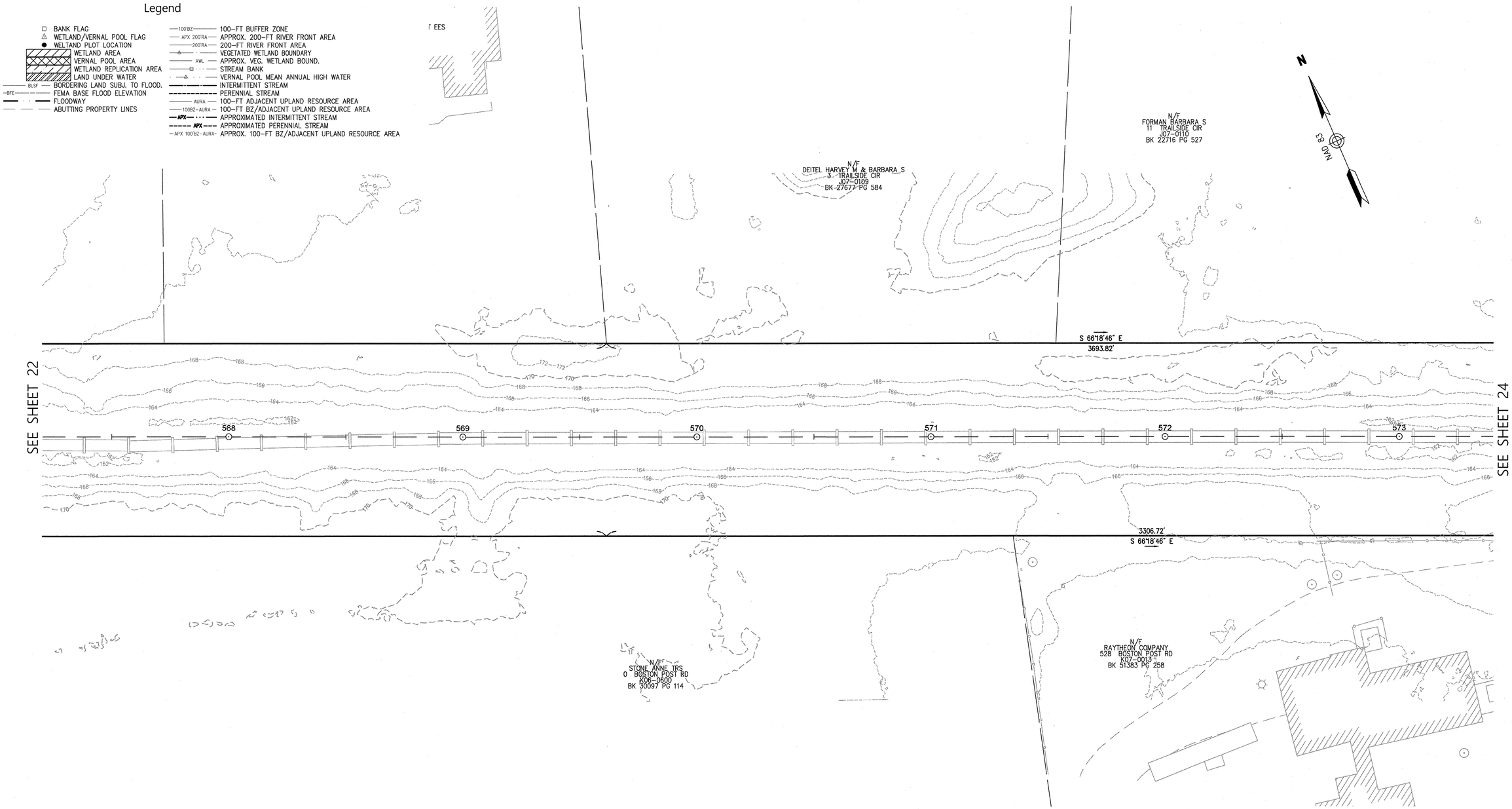

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COMMONWEALTH OF MASSACHUSETTS
RUSSELL J. BOUSQUET
NO. 35389
REGISTERED PROFESSIONAL LAND SURVEYOR
7/24/18

STRUCTURES				
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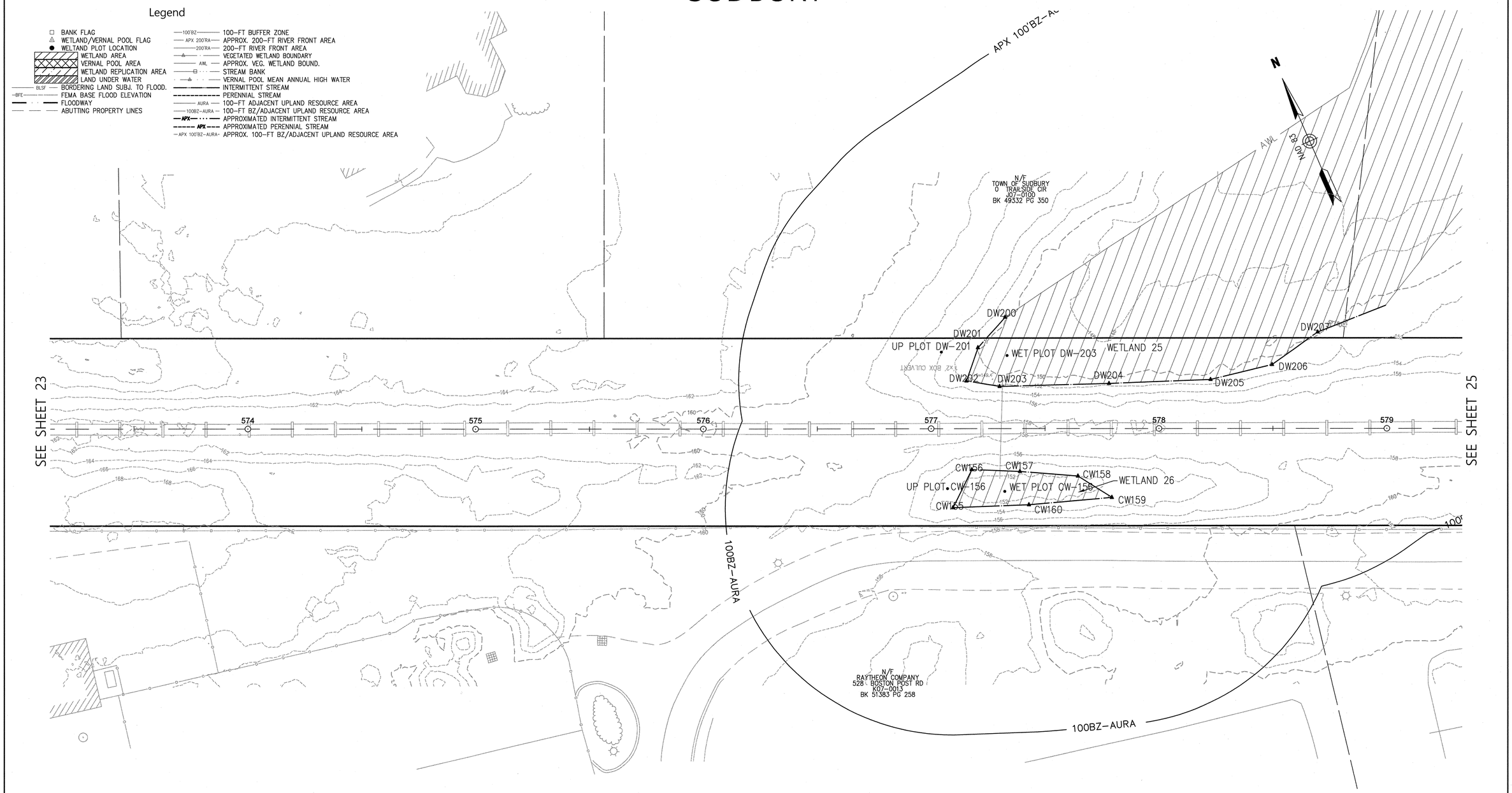

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SHEET 24 OF 46

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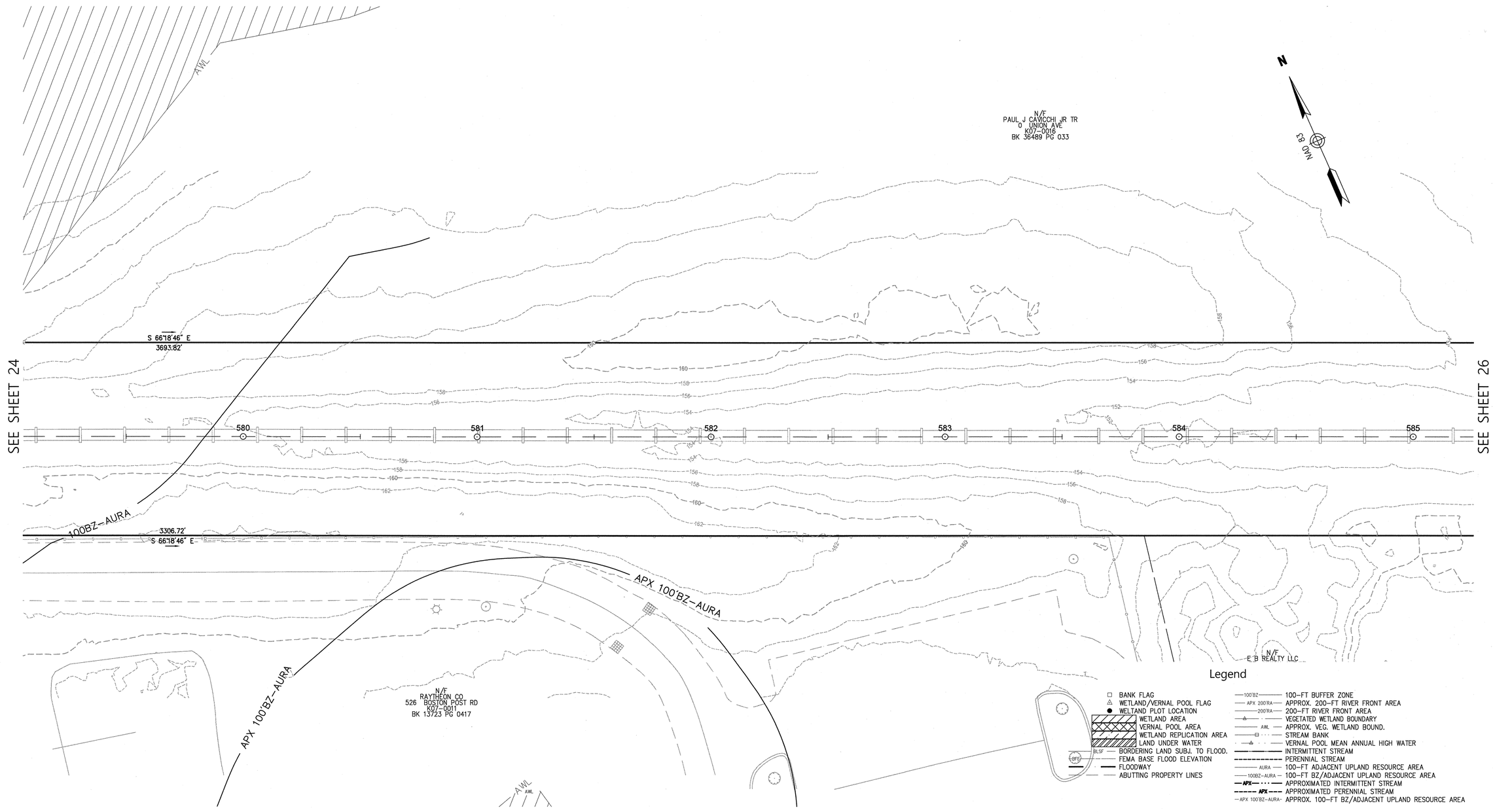

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SUDBURY

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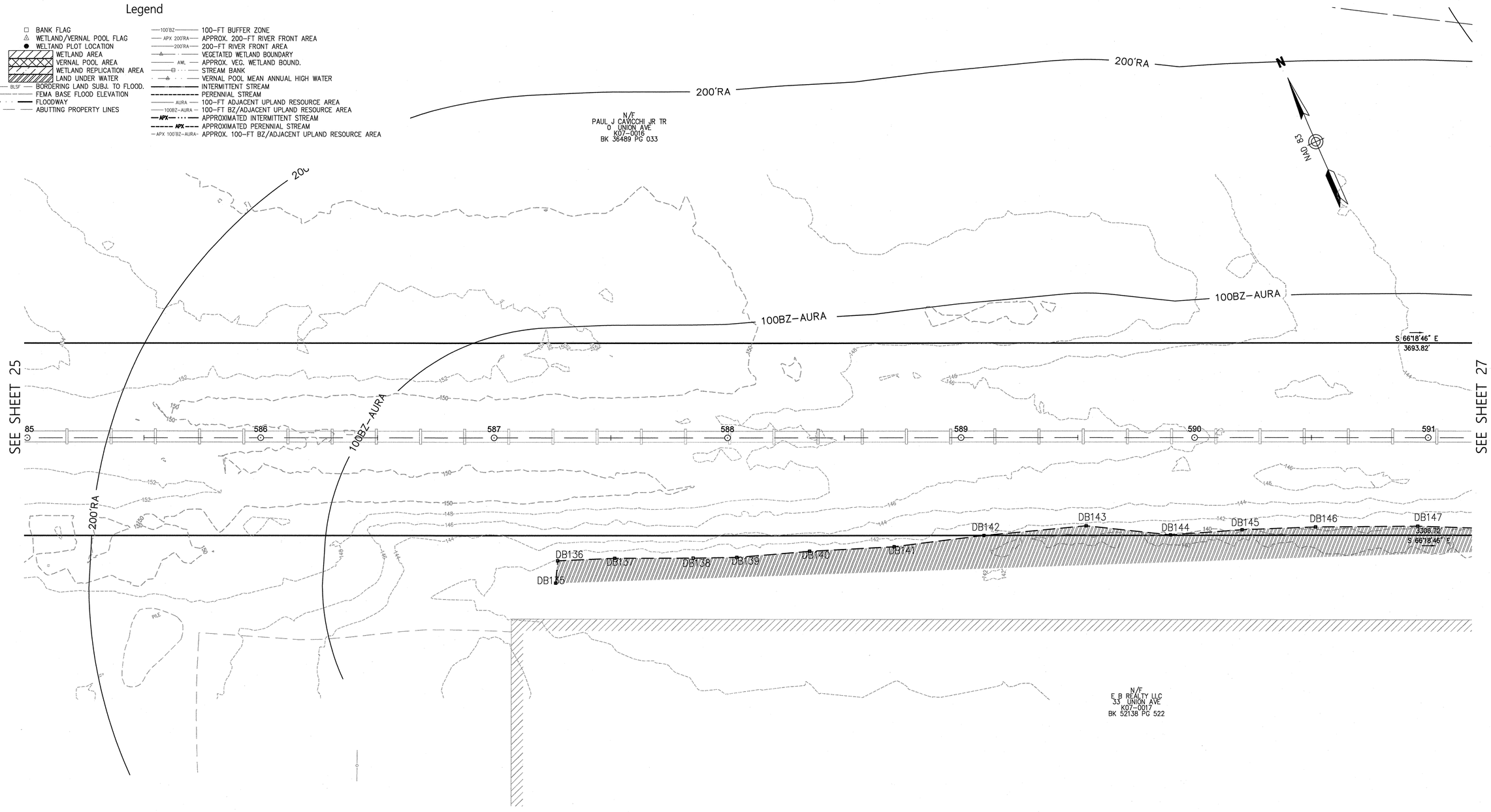

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1"=20'

COMMONWEALTH OF MASSACHUSETTS
RUSSELL J. BOUSQUET
NO. 35389
REGISTERED PROFESSIONAL LAND SURVEYOR
7/24/18

STRUCTURES				
NO.	TYPE	HEIGHT	SPAN	GUYS

Prepared By

Vanasse Hangen Brustlin, Inc.

vhb

Transportation
Land Development
Environmental Services

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Watertown, Massachusetts 02471-9151
617.924.1770 • FAX 617.924.2286

REVISIONS

NO.	COMMENTS	DATE
1.	ADDITION OF BLSF	1/30/2018
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4.	UPDATED BLSF	4/24/2018
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7.	UPDATED BLSF LINES	6/18/2018
8.	UPDATED BLSF LINES AND GEN. NOTES	7/24/2018

Issued For

EVERSOURCE ENERGY

SCALE: 20 FEET TO THE INCH

DRAWING NAME: 12970.01-ANRAD-Sudbury.dwg

FIELD BOOK. NO:

Project Title

Sudbury-Hudson Transmission Reliability Project

Sudbury, Massachusetts

Drawing Title

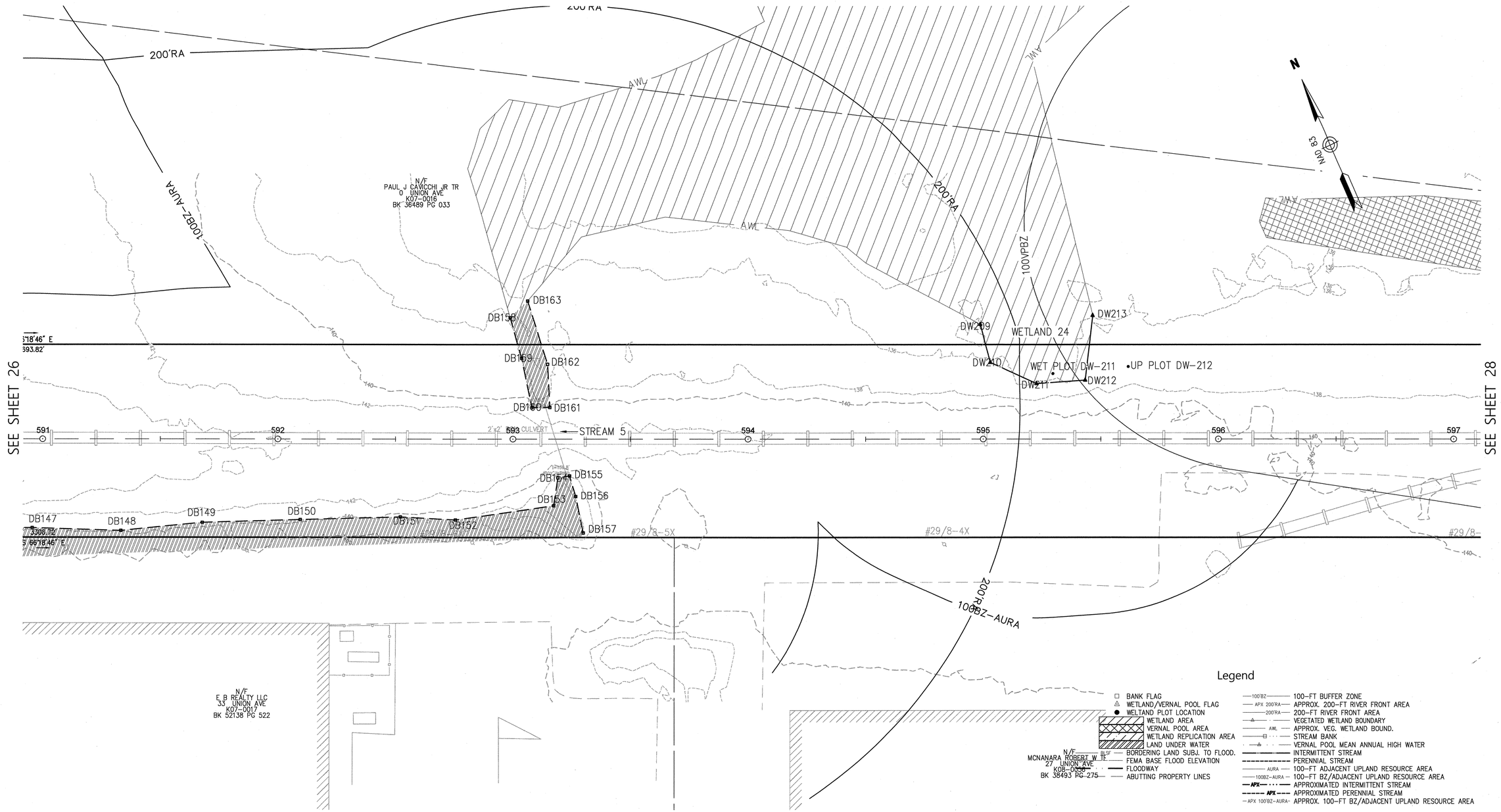
Existing Conditions Plan For ANRAD Submittal

DATE: OCTOBER 18, 2017

SHEET 26 OF 46

Saved Wednesday, July 25, 2018 2:01:47 PM SRYAN Plotted Wednesday, July 25, 2018 2:15:26 PM Ryan, Steven \\VHB\PROJ\WAT-LD\12970.01 SUDBURY-HUDSON-SURVEY\CAD\SR\PLANSET\ANRAD\12970.01-ANRAD-SUDBURY

SUDBURY



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SHEET 27 OF 46

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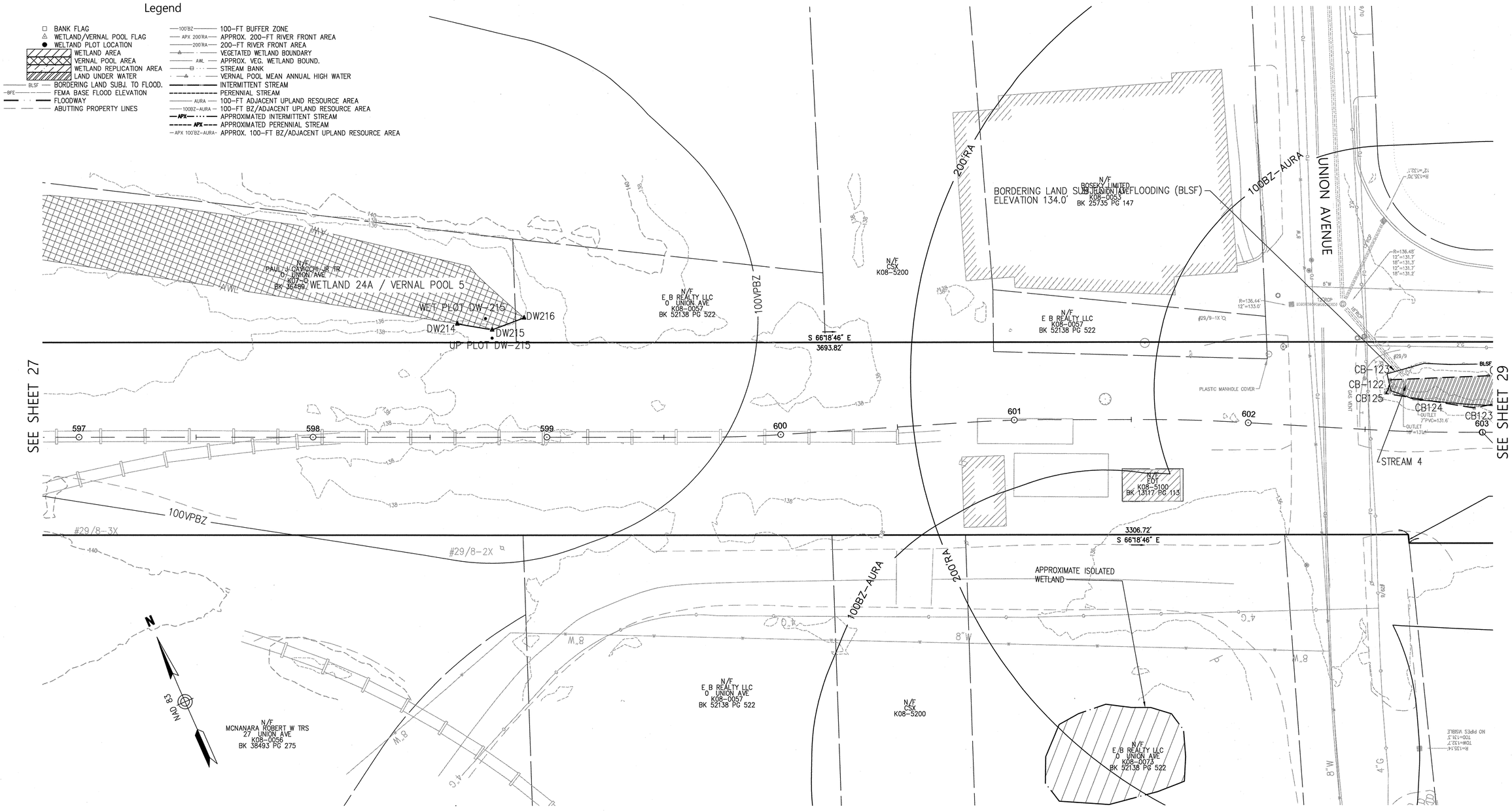

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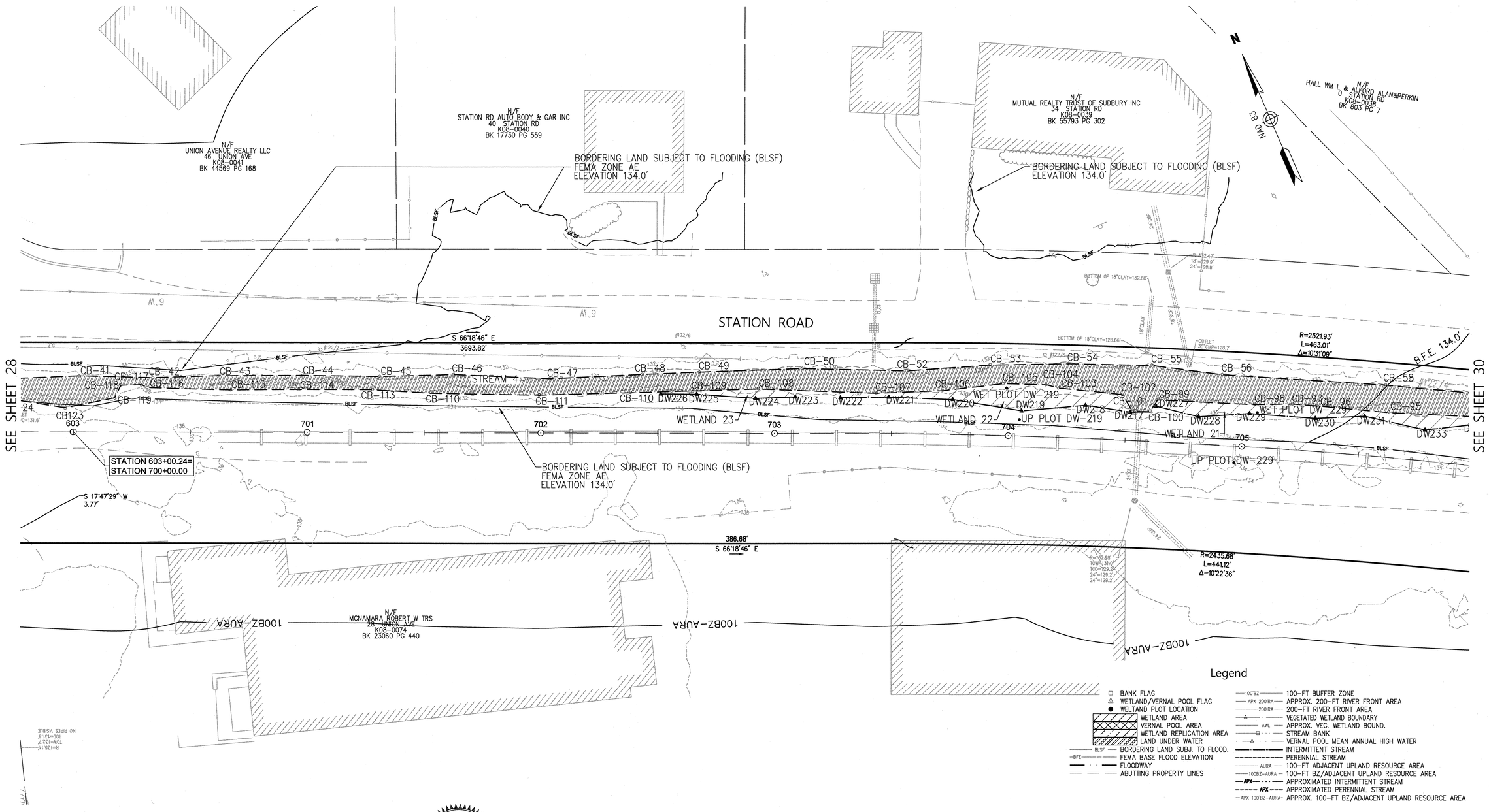

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NO. 35389
REGISTERED PROFESSIONAL LAND SURVEYOR

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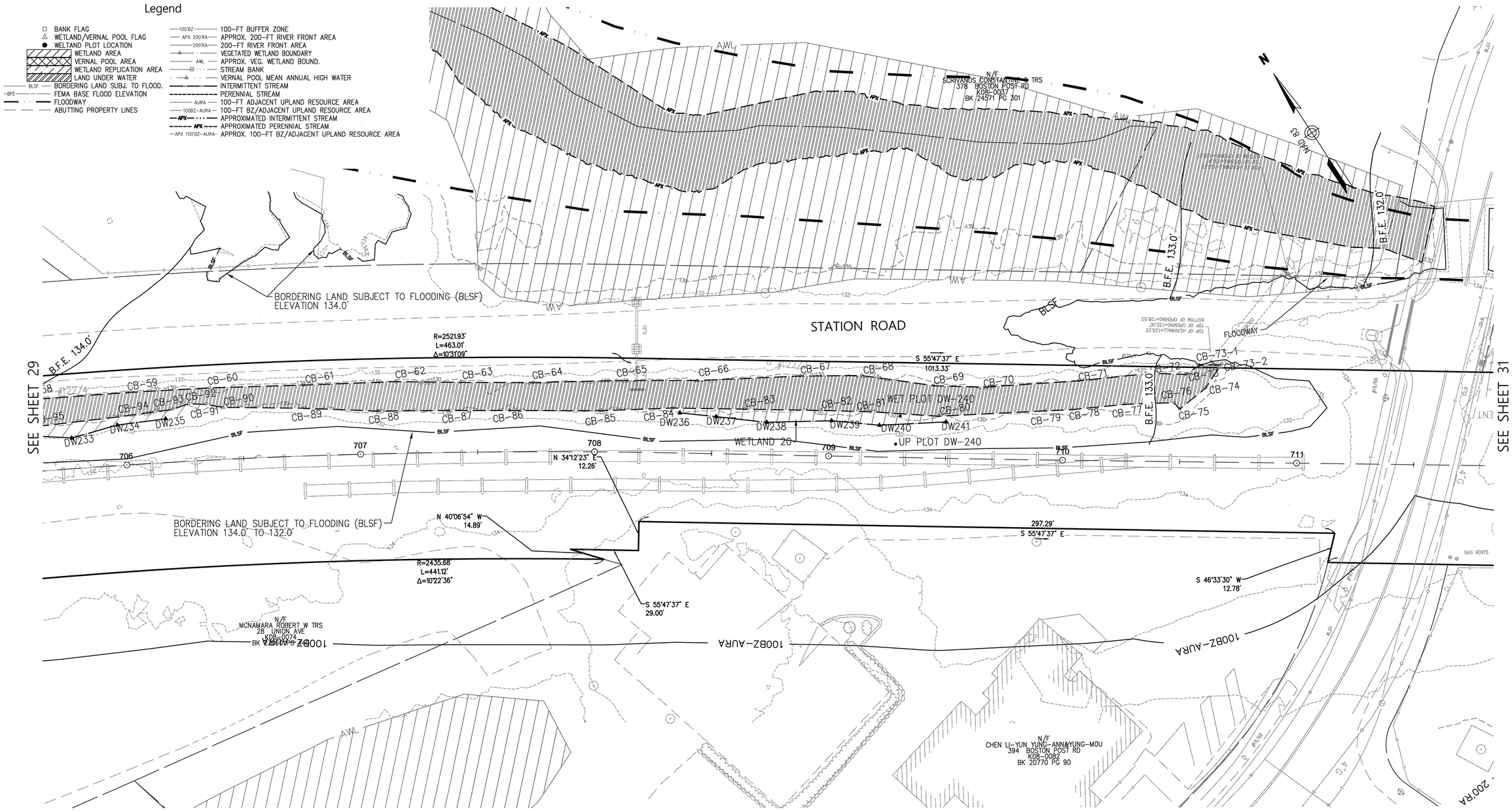

COMMONWEALTH OF MASSACHUSETTS
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Russell J. Bousquet 9/20/12

20 0 20 40
1"=20'

STRUCTURES				
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Existing Conditions Plan For ANRAD Submittal

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SHEET 30 OF 46

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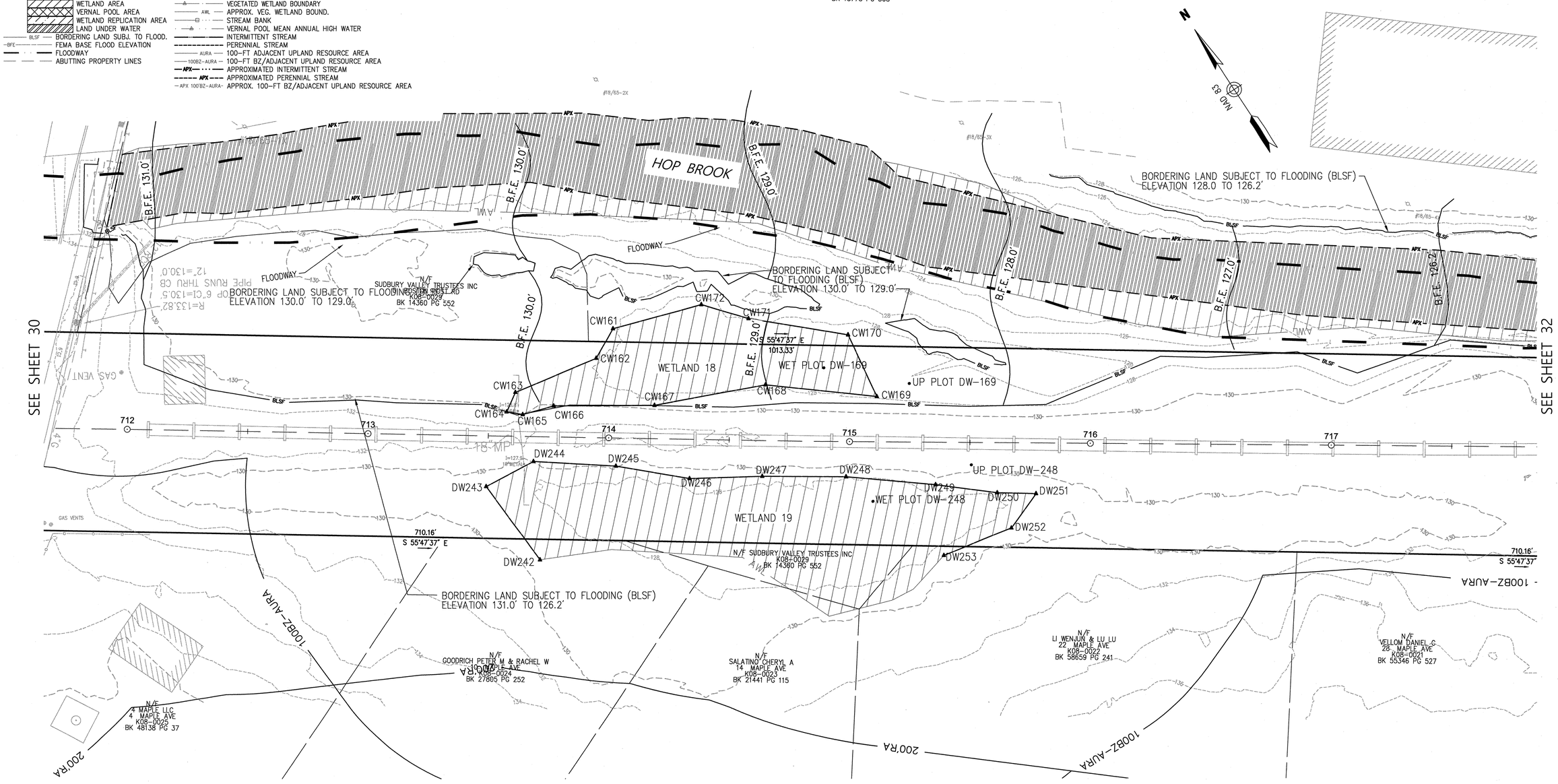

COMMONWEALTH OF MASSACHUSETTS
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NO. 35389
REGISTERED PROFESSIONAL LAND SURVEYOR

Russell J. Bousquet 1/24/18

20 0 20 40
1"=20'

STRUCTURES				
NO.	TYPE	HEIGHT	SPAN	GUYS

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Sudbury, Massachusetts

Drawing Title

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SHEET 31 OF 46

Saved Wednesday, July 25, 2018 2:01:47 PM SRYAN Plotted Wednesday, July 25, 2018 2:17:16 PM Ryan, Steven \\VHB\PROJ\WAT-LD\12970.01 SUDBURY-HUDSON-SURVEY\CAD\SR\PLANSET\ANRAD\12970.01-ANRAD-SUDBURY

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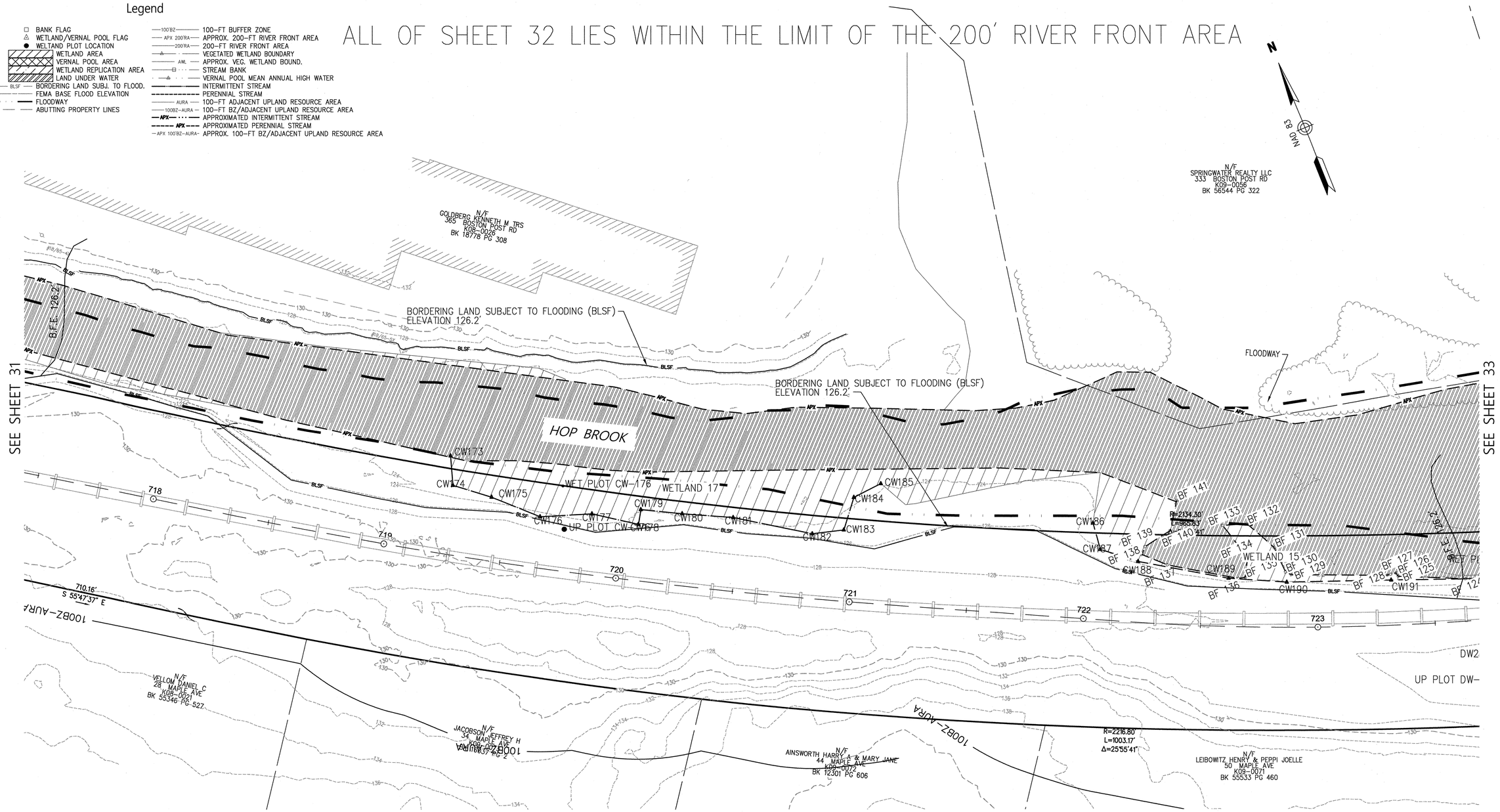
ALL OF SHEET 32 LIES WITHIN THE LIMIT OF THE 200' RIVER FRONT AREA



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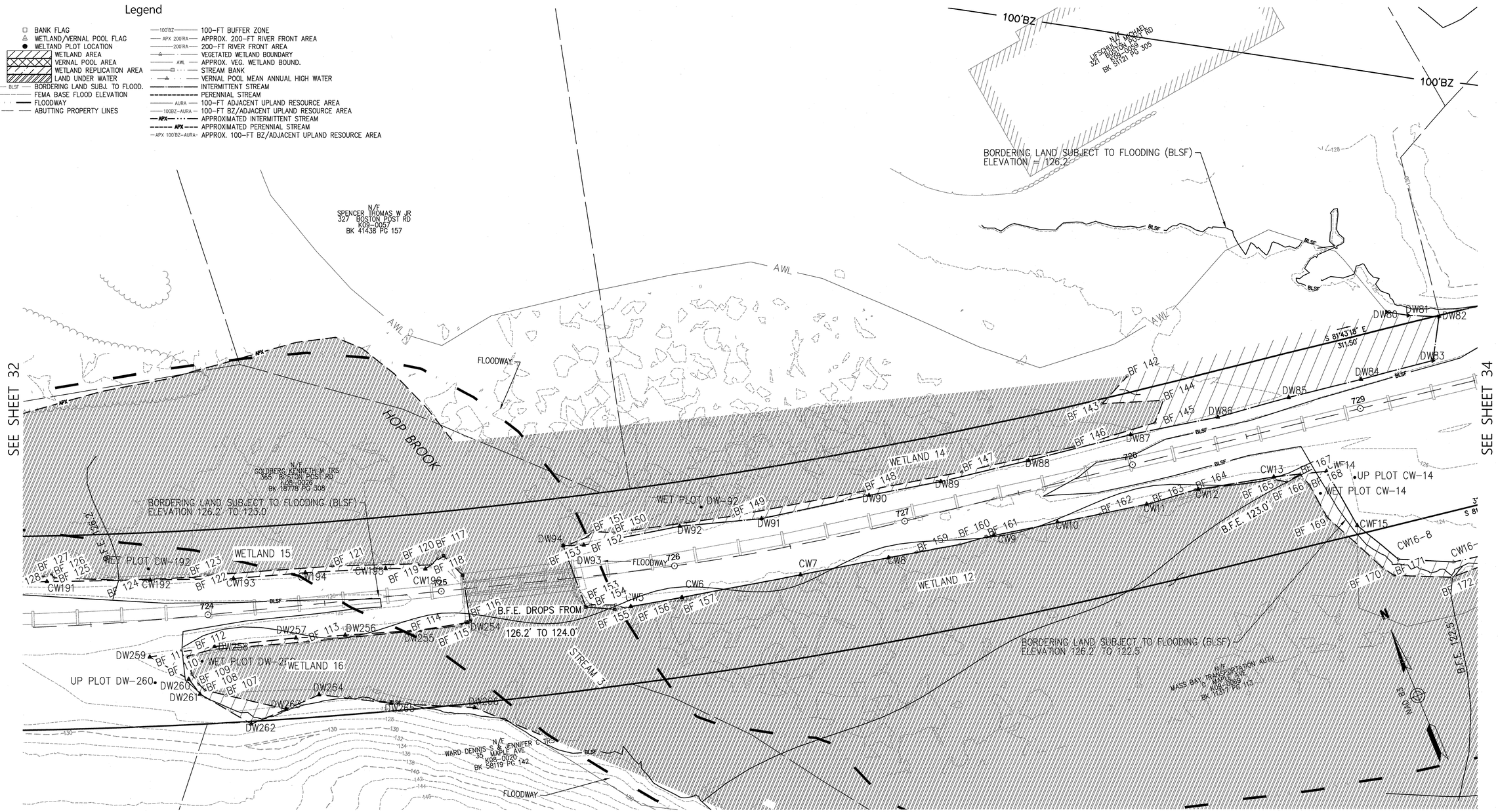

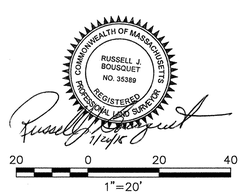

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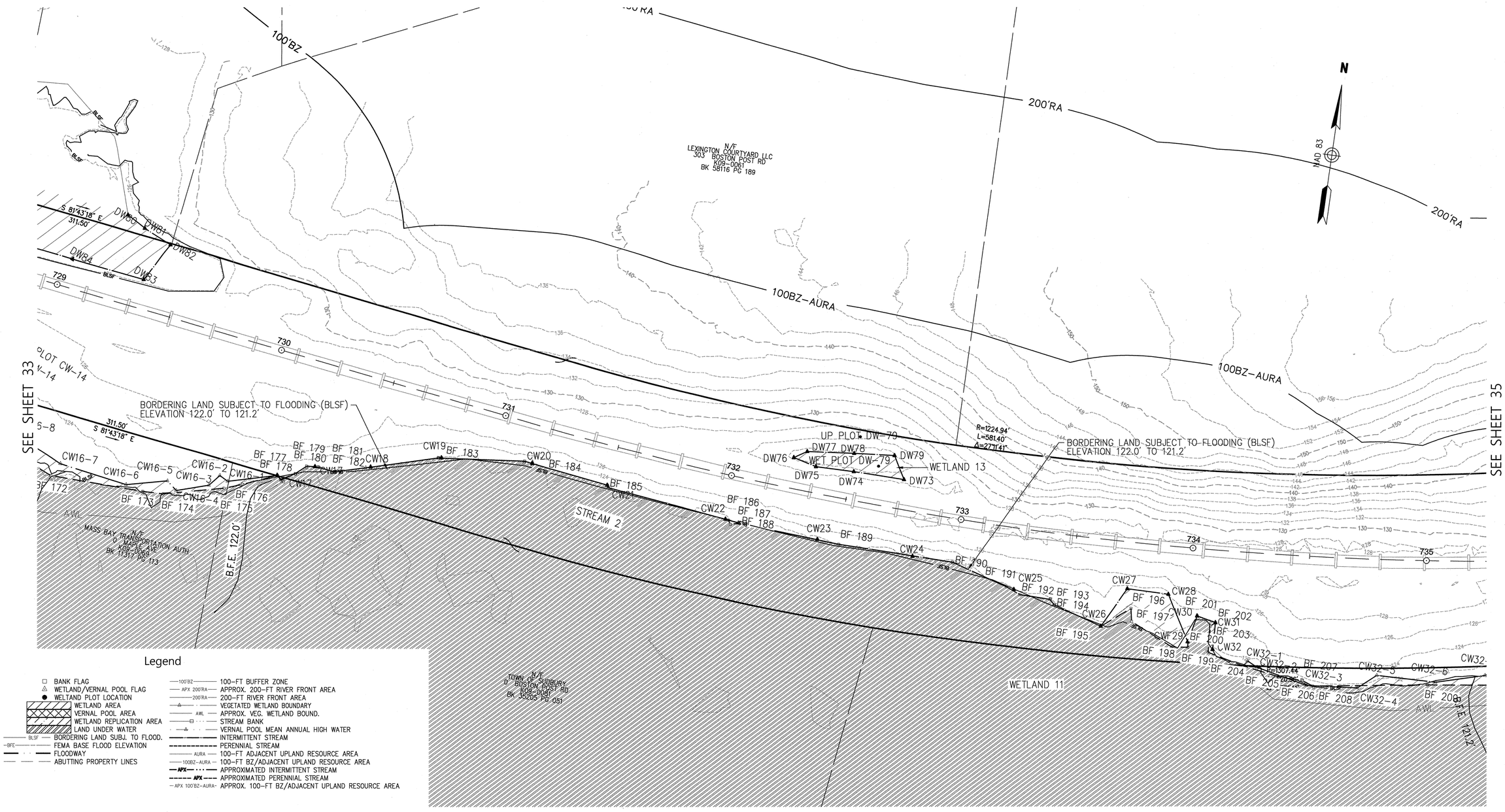

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- WELTAND PLOT LOCATION
- WETLAND AREA
- VERNAL POOL AREA
- WETLAND REPLICATION AREA
- LAND UNDER WATER
- BLSF — BORDERING LAND SUBJ. TO FLOOD.
- BFE — FEMA BASE FLOOD ELEVATION
- FLOODWAY
- ABUTTING PROPERTY LINES
- 100'BZ — 100-FT BUFFER ZONE
- APX 200'RA — APPROX. 200-FT RIVER FRONT AREA
- 200'RA — 200-FT RIVER FRONT AREA
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- AWL — APPROX. VEG. WETLAND BOUND.
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COMMONWEALTH OF MASSACHUSETTS
RUSSELL J. BOUSQUET
NO. 35389
REGISTERED PROFESSIONAL ENGINEER

20 0 20 40
1"=20'

STRUCTURES				
NO.	TYPE	HEIGHT	SPAN	GUYS

Prepared By

Vanasse Hangen Brustlin, Inc.

vhb

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Land Development
Environmental Services

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Watertown, Massachusetts 02471-9151
617.924.1770 • FAX 617.924.2286

REVISIONS

NO.	COMMENTS	DATE
1.	ADDITION OF BLSF	1/30/2018
2.	ADDED STATIONING	3/28/2018
3.	UPDATED BLSF	4/5/2018
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5.	MISC.	5/16/2018
6.	UPDATED WETLAND BUFFERS	6/14/2018
7.	UPDATED BLSF LINES	6/18/2018
8.	UPDATED BLSF LINES AND GEN. NOTES	7/24/2018

Issued For

EVERSOURCE ENERGY

SCALE: 20 FEET TO THE INCH

DRAWING NAME: 12970.01-ANRAD-Sudbury.dwg

FIELD BOOK. NO:

Project Title

Sudbury-Hudson Transmission Reliability Project

Sudbury, Massachusetts

Drawing Title

Existing Conditions Plan For ANRAD Submittal

DATE: OCTOBER 18, 2017

SHEET 34 OF 46

SUDBURY

Legend

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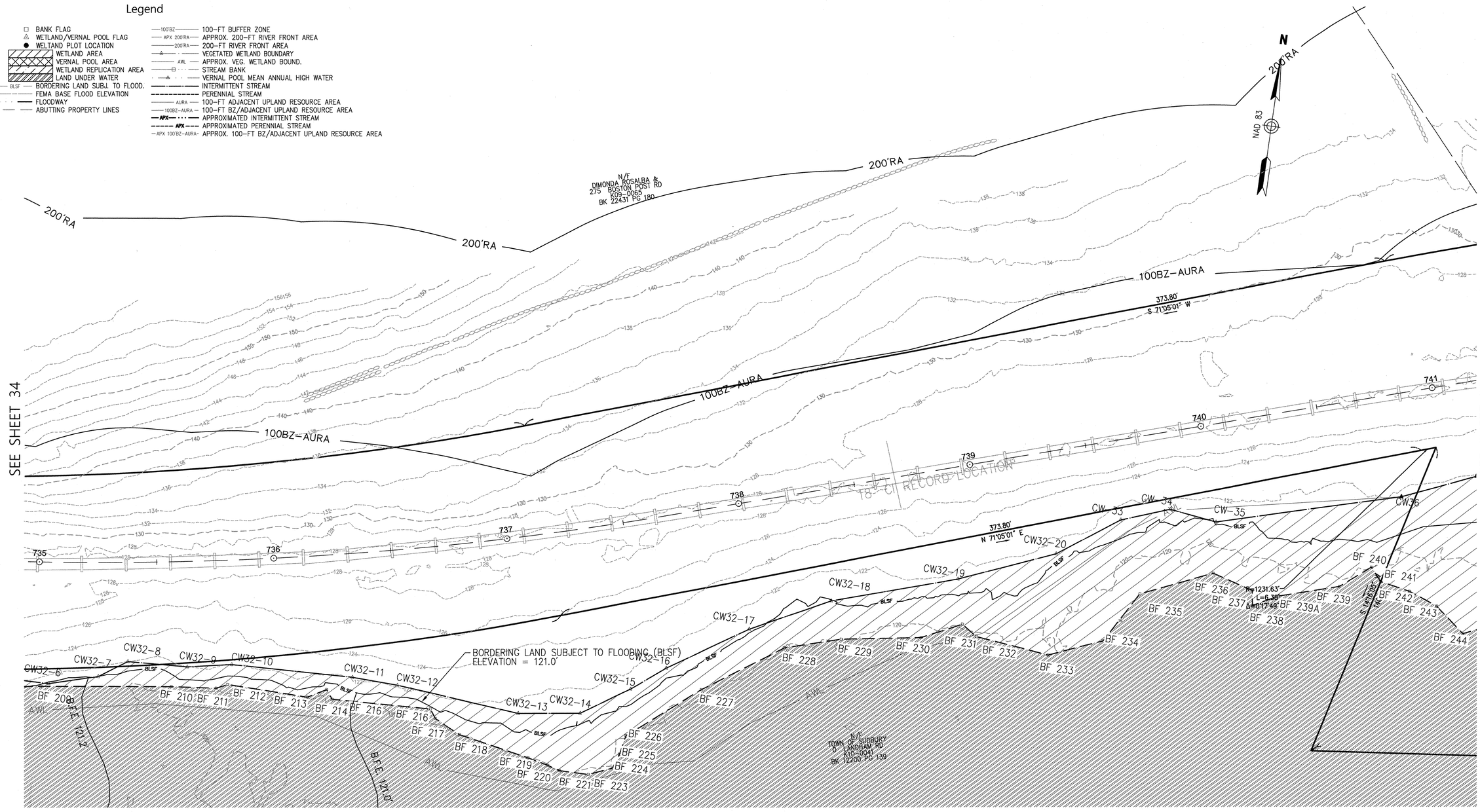

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7/24/18

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Sudbury, Massachusetts

Drawing Title

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SHEET 35 OF 46

Saved Wednesday, July 25, 2018 2:01:47 PM SRYAN Plotted Wednesday, July 25, 2018 2:18:53 PM Ryan, Steven \\VHB\PROJ\WAT-LD\12970.01 SUDBURY-HUDSON-SURVEY\CAD\SR\PLANSET\ANRAD\12970.01-ANRAD-SUDBURY

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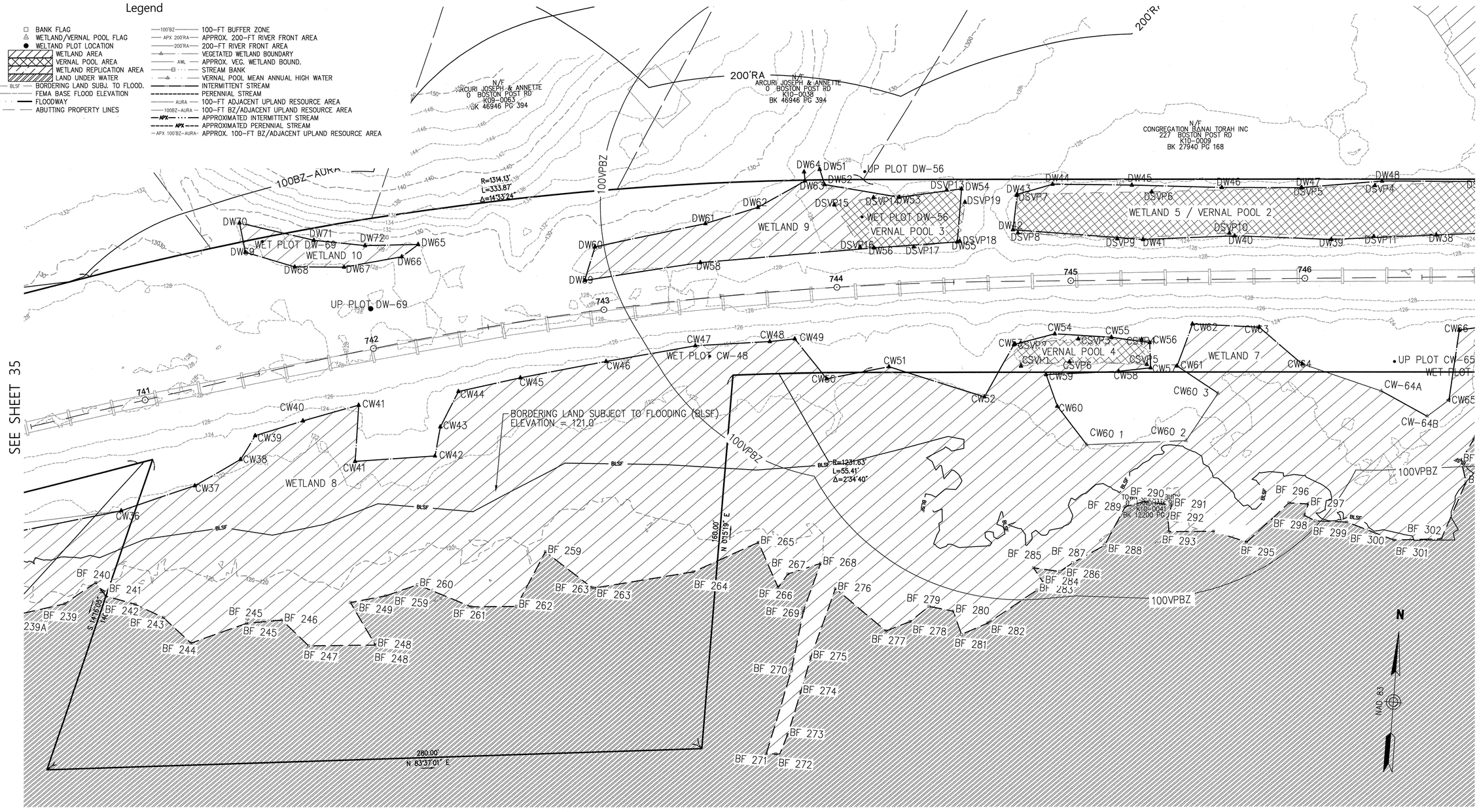

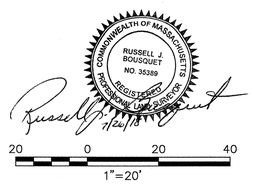

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FIELD BOOK. NO:

Project Title

Sudbury-Hudson Transmission Reliability Project

Sudbury, Massachusetts

Drawing Title

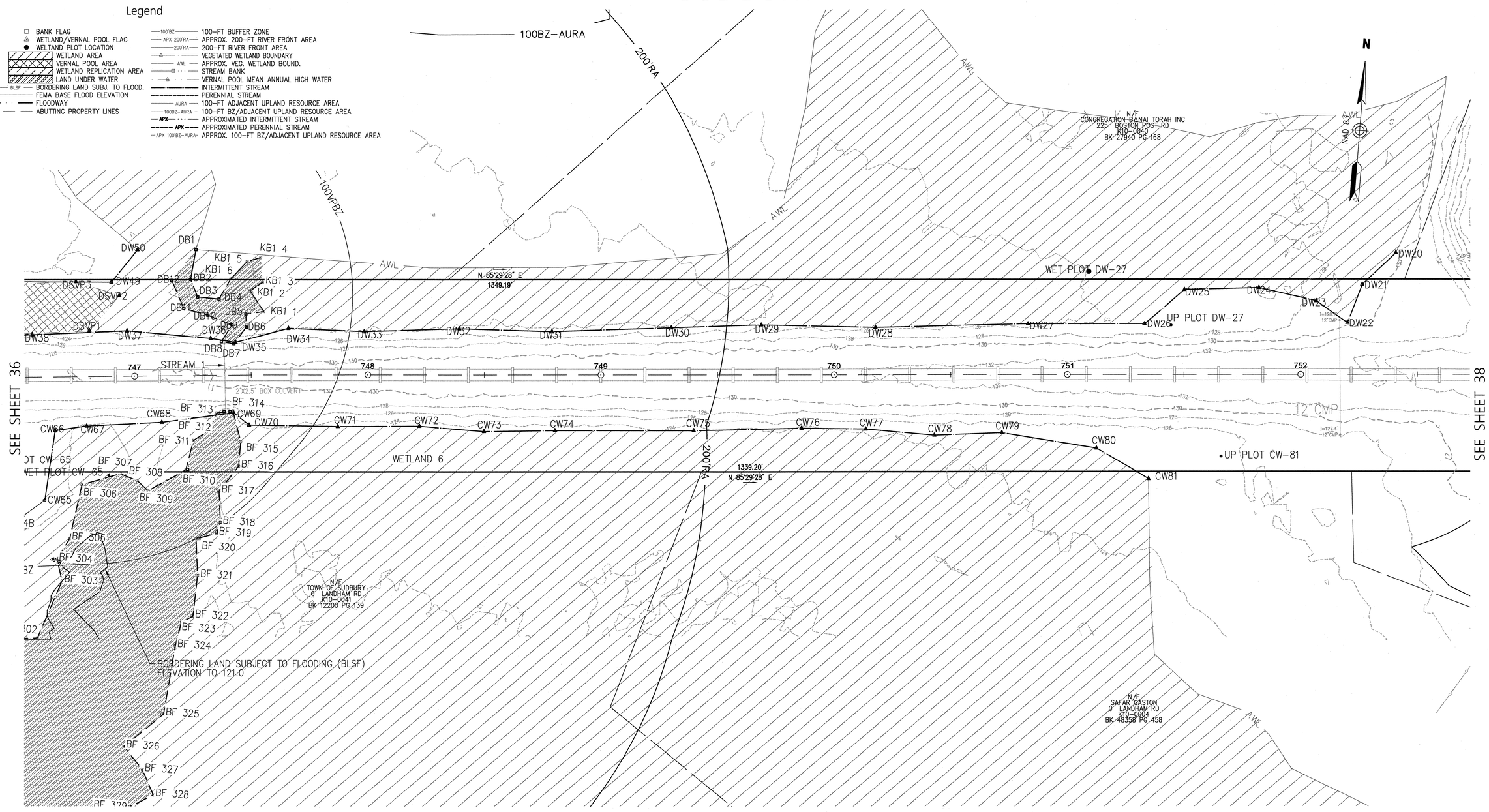
Existing Conditions Plan For ANRAD Submittal

DATE: OCTOBER 18, 2017

SHEET 36 OF 46

Saved Wednesday, July 25, 2018 2:01:47 PM SRYAN Plotted Wednesday, July 25, 2018 2:19:16 PM Ryan, Steven \\VHB\PROJ\WAT-LOT\12970.01 SUDBURY-HUDSON-SURVEY\CAD\SR\PLANSET\ANRAD\12970.01-ANRAD-SUDBURY

SUDBURY



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1"=20'

COMMONWEALTH OF MASSACHUSETTS
RUSSELL J. BOUSQUET
NO. 35389
REGISTERED PROFESSIONAL LAND SURVEYOR
7/24/18

STRUCTURES				
NO.	TYPE	HEIGHT	SPAN	GUYS

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Drawing Title
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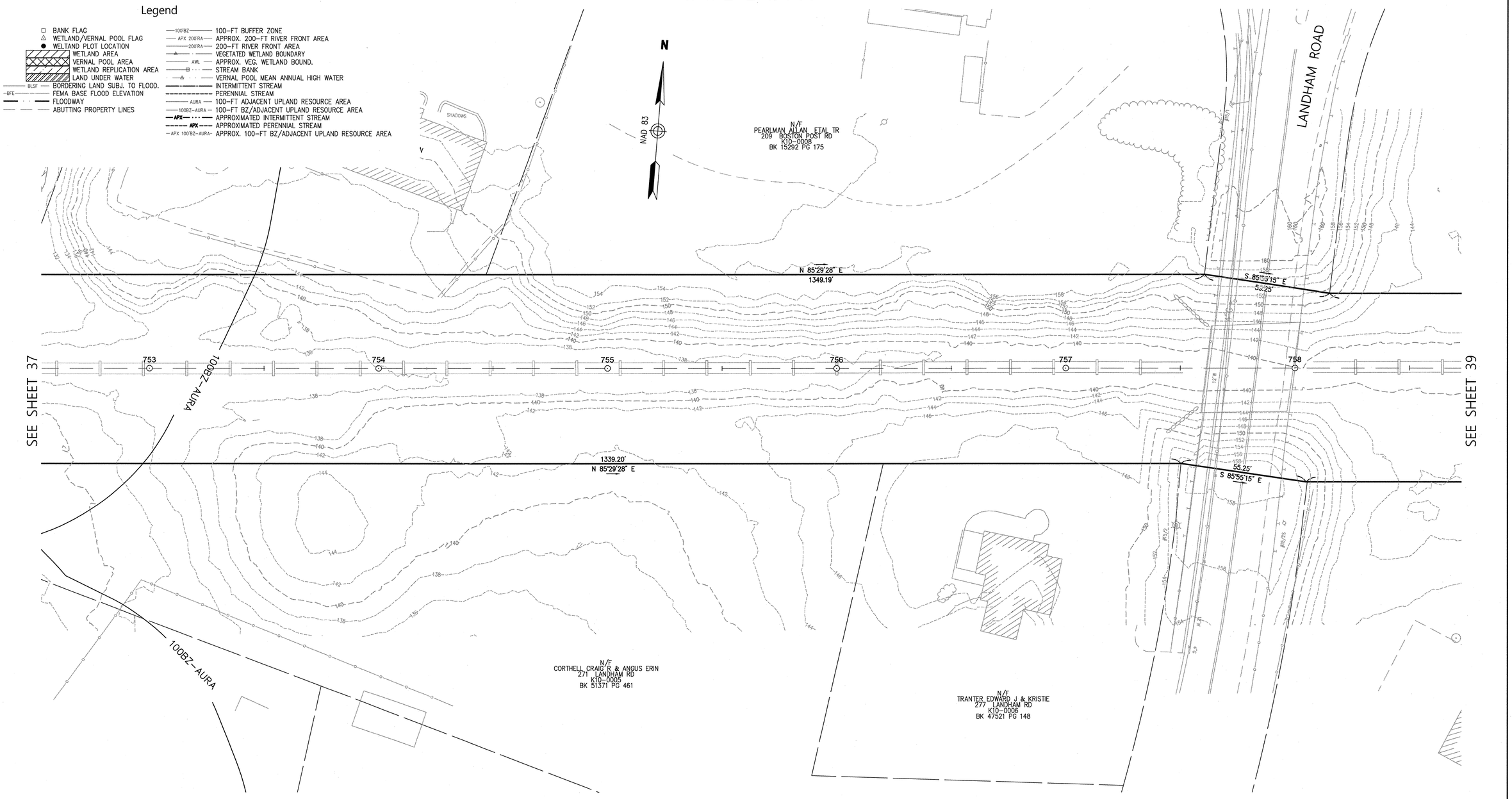

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COMMONWEALTH OF MASSACHUSETTS
RUSSELL J. BOUSQUET
NO. 35389
REGISTERED PROFESSIONAL LAND SURVEYOR
7/26/18

STRUCTURES				
NO.	TYPE	HEIGHT	SPAN	GUYS

Prepared By

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EVERSOURCE ENERGY

SCALE: 20 FEET TO THE INCH

DRAWING NAME: 12970.01-ANRAD-Sudbury.dwg

FIELD BOOK. NO:

Project Title

Sudbury-Hudson Transmission Reliability Project

Sudbury, Massachusetts

Drawing Title

Existing Conditions Plan For ANRAD Submittal

DATE: OCTOBER 18, 2017

SHEET 38 OF 46

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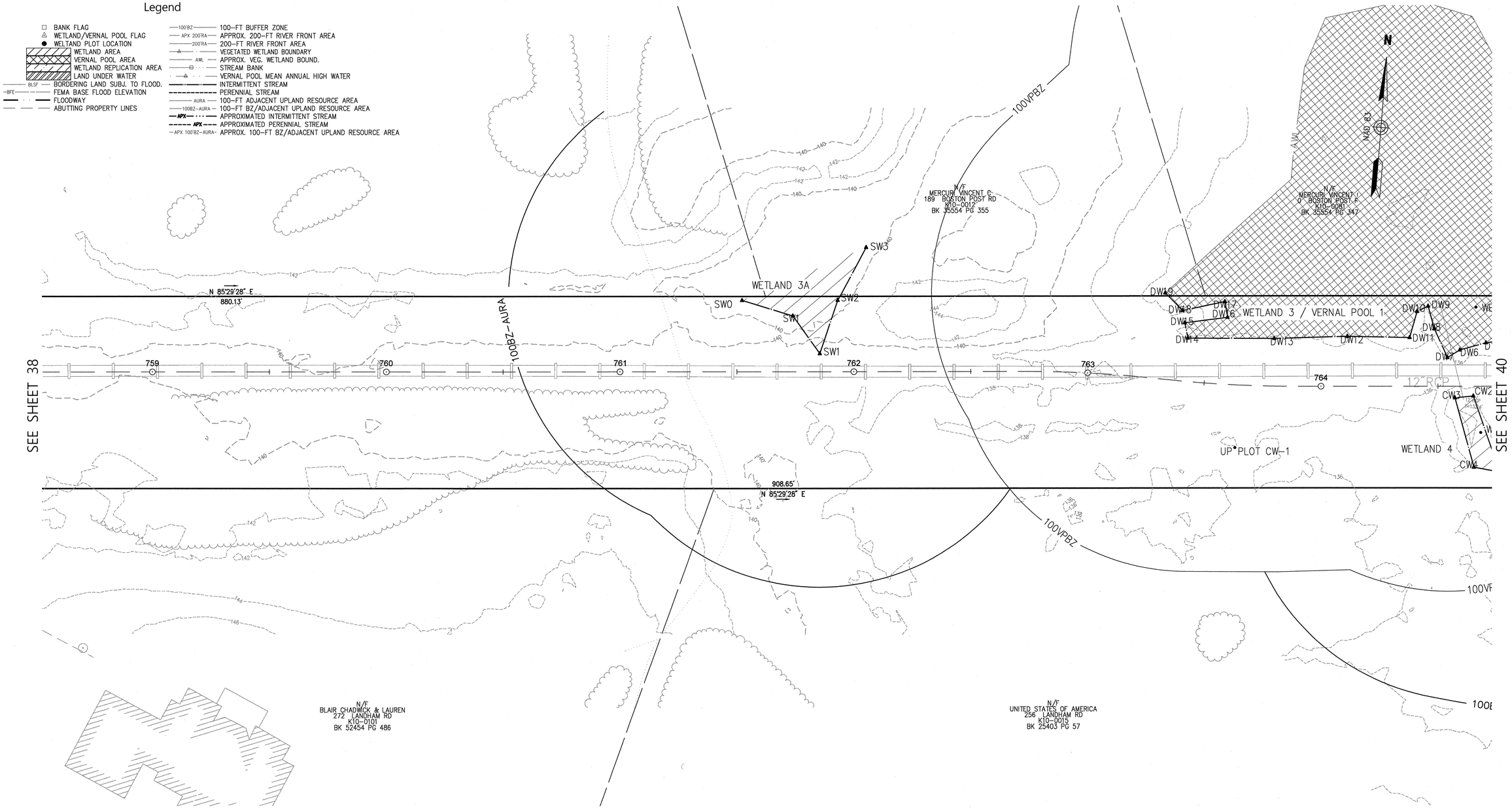

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1"=20'

COMMONWEALTH OF MASSACHUSETTS
RUSSELL J. BOUSQUET
NO. 35389
REGISTERED PROFESSIONAL LAND SURVEYOR
7/24/18

STRUCTURES				
NO.	TYPE	HEIGHT	SPAN	GUYS

Prepared By
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EVERSOURCE ENERGY

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Project Title
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Sudbury, Massachusetts

Drawing Title
Existing Conditions Plan
For ANRAD Submittal

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SHEET 39 OF 46

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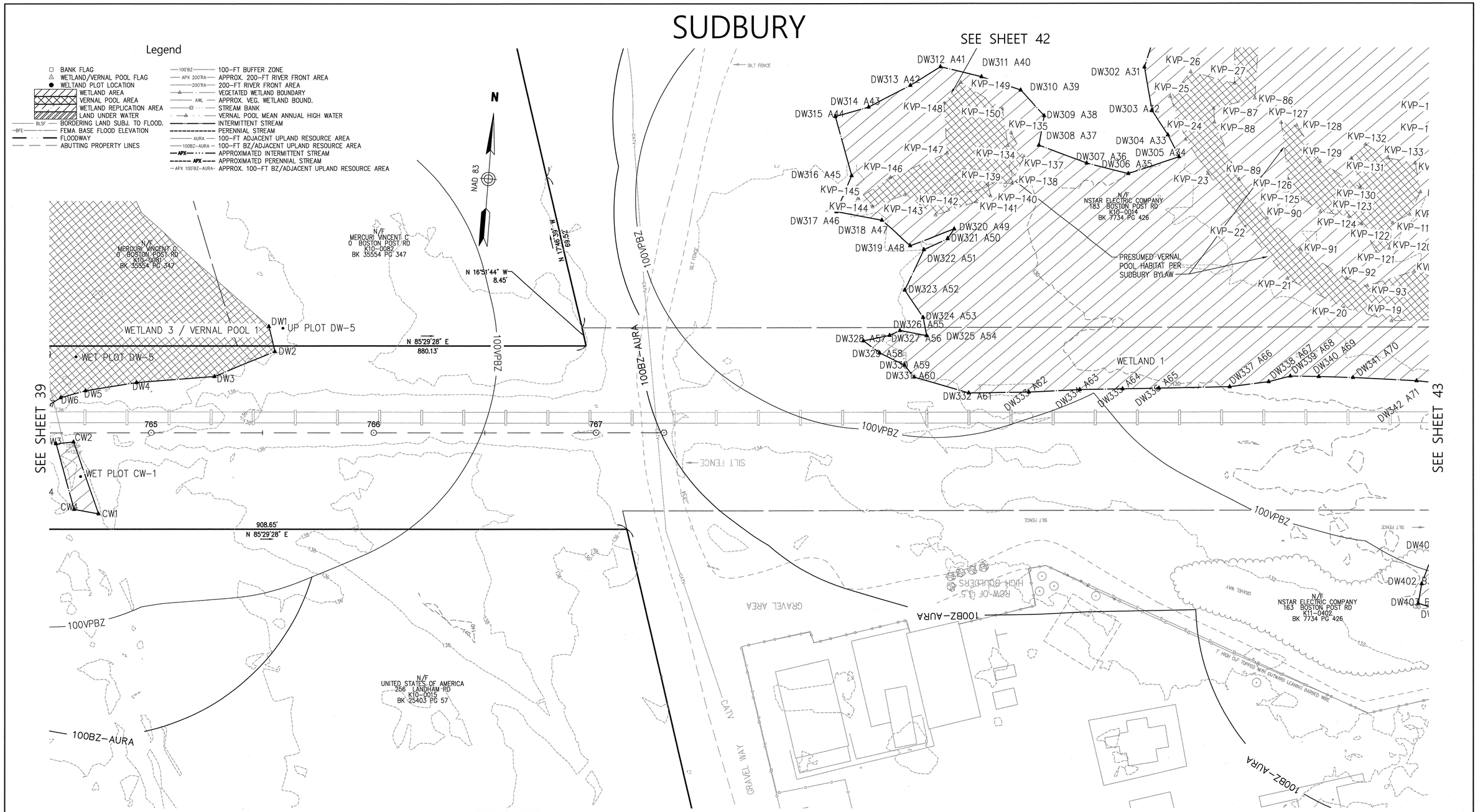

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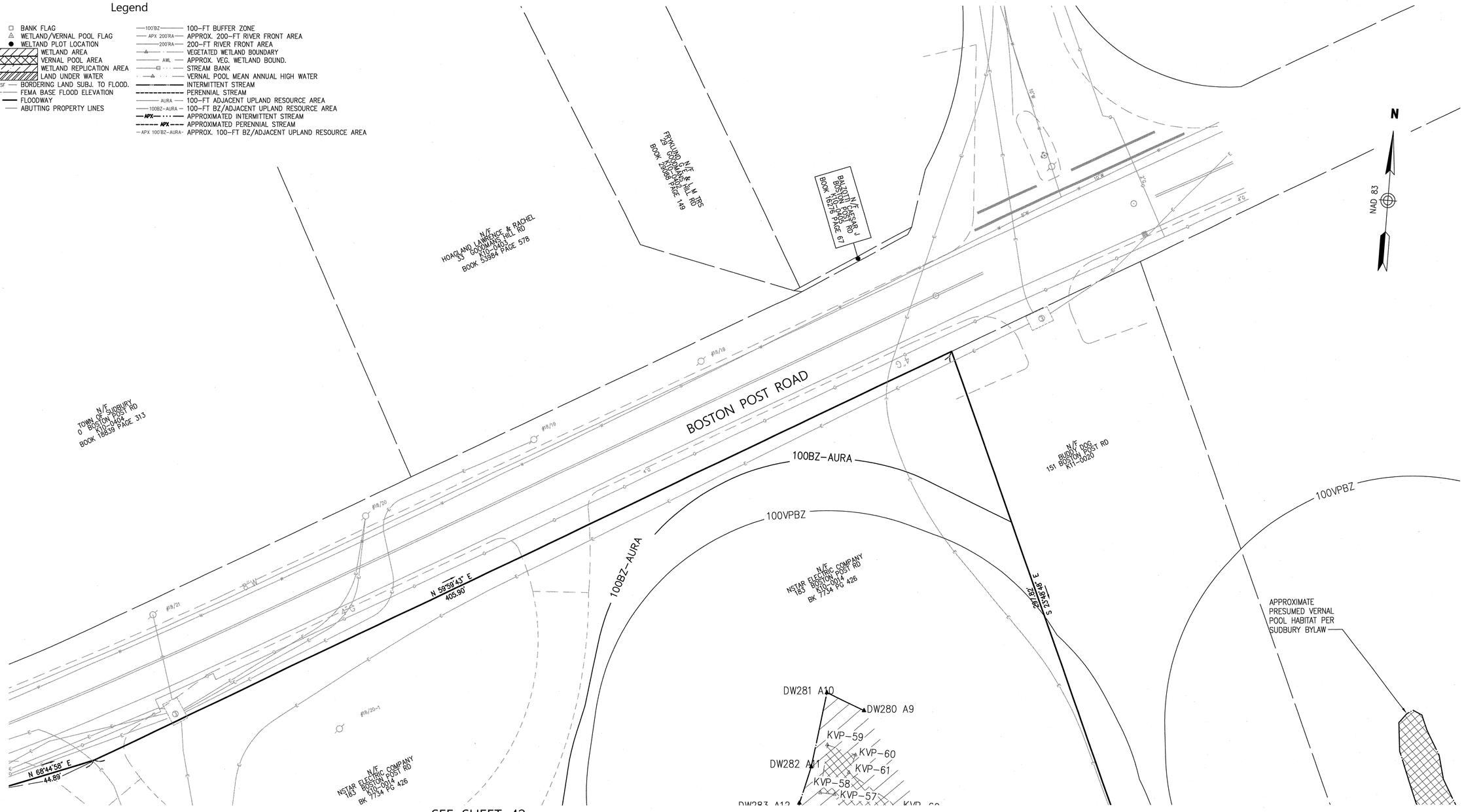

SEE SHEET 42

20 0 20 40
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NO. 35389
REGISTERED PROFESSIONAL LAND SURVEYOR
7/24/18

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COMMONWEALTH OF MASSACHUSETTS
RUSSELL J. BOUSQUET
NO. 35389
REGISTERED PROFESSIONAL LAND SURVEYOR

STRUCTURES				
NO.	TYPE	HEIGHT	SPAN	GUYS

Prepared By
Vanasse Hangen Brustlin, Inc.
vhb
Transportation
Land Development
Environmental Services
101 Walnut Street, P.O. Box9151
Watertown, Massachusetts 02471-9151
617.924.1770 • FAX 617.924.2286

REVISIONS

NO.	COMMENTS	DATE
1.	ADDITION OF BLSF	1/30/2018
2.	ADDED STATIONING	3/28/2018
3.	UPDATED BLSF	4/5/2018
4.	UPDATED BLSF	4/24/2018
5.	MISC.	5/16/2018
6.	UPDATED WETLAND BUFFERS	6/14/2018
7.	UPDATED BLSF LINES	6/18/2018
8.	UPDATED BLSF LINES AND GEN. NOTES	7/24/2018

Issued For
EVERSOURCE ENERGY

SCALE: 20 FEET TO THE INCH

DRAWING NAME: 12970.01-ANRAD-Sudbury.dwg

FIELD BOOK. NO:

Project Title
Sudbury-Hudson Transmission Reliability Project
Sudbury, Massachusetts

Drawing Title
Existing Conditions Plan For ANRAD Submittal

DATE: OCTOBER 18, 2017

SUDBURY

Legend

- BANK FLAG
- WETLAND/VERNAL POOL FLAG
- WELTAND PLOT LOCATION
- WETLAND AREA
- VERNAL POOL AREA
- WETLAND REPLICATION AREA
- LAND UNDER WATER
- BLSF — BORDERING LAND SUBJ. TO FLOOD.
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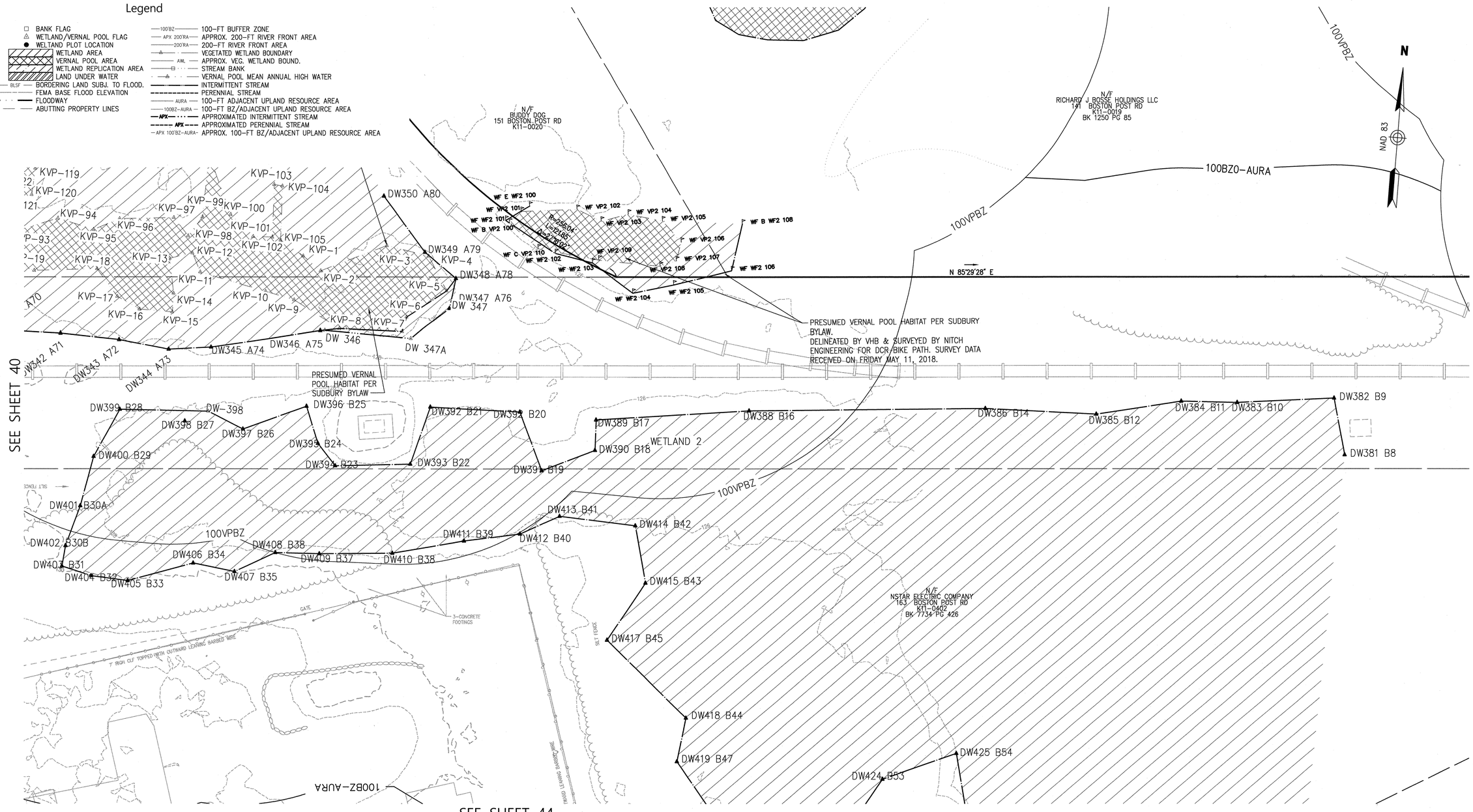
- APX 100'BZ-AURA — APPROX. 100-FT BZ/ADJACENT UPLAND RESOURCE AREA



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SHEET 43 OF 46

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1"=20'

COMMONWEALTH OF MASSACHUSETTS
RUSSELL J. BOUSQUET
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REGISTERED PROFESSIONAL LAND SURVEYOR

Russell J. Bousquet 7/20/18

Saved Wednesday, July 25, 2018 2:01:47 PM SRYAN Plotted Wednesday, July 25, 2018 2:22:35 PM Ryan, Steven \\VHB\PROJ\WAT-LD\12970.01 SUDBURY-HUDSON-SURVEY\CAD\SR\PLANSET\ANRAD\12970.01-ANRAD-SUDBURY

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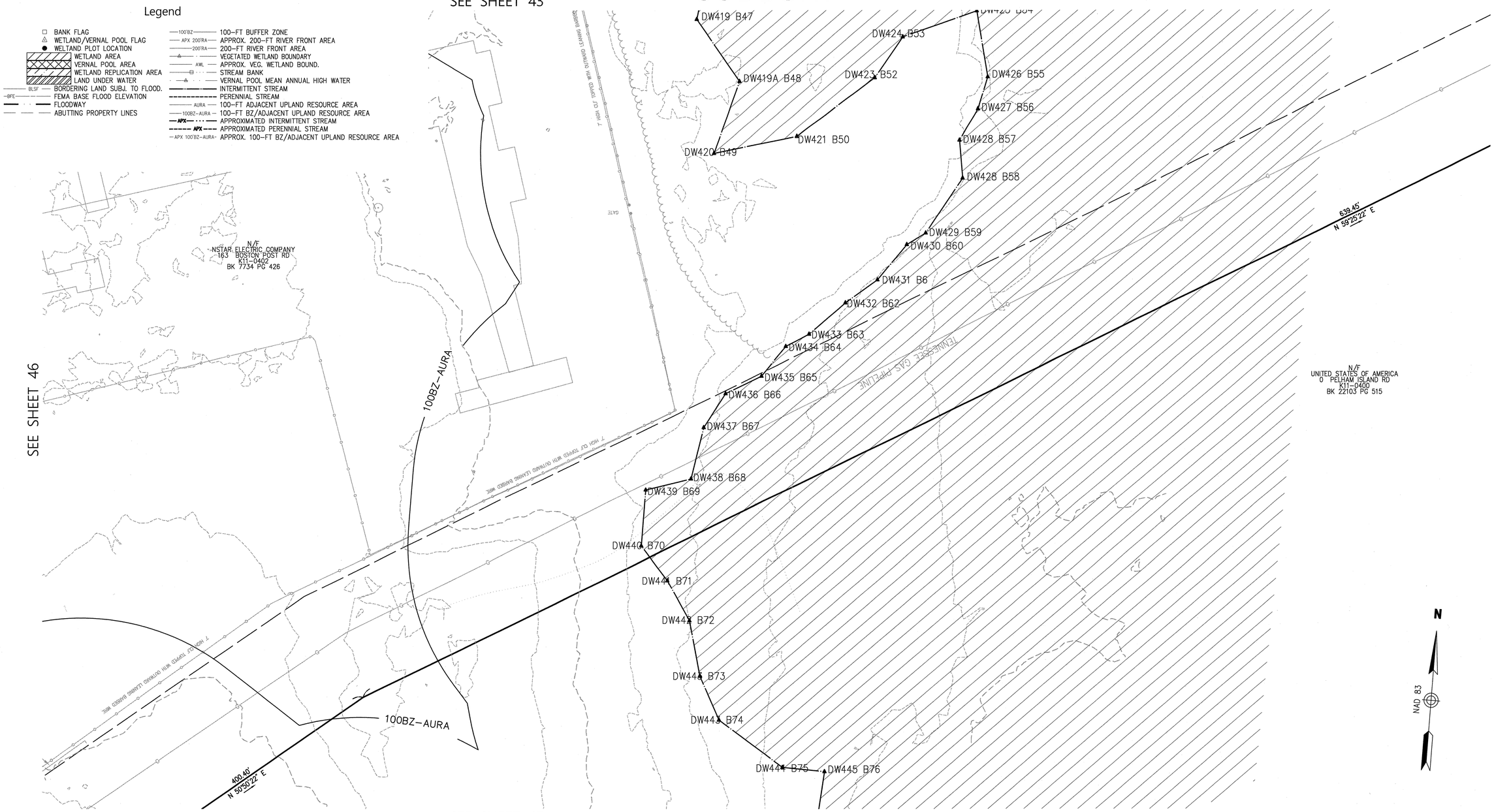

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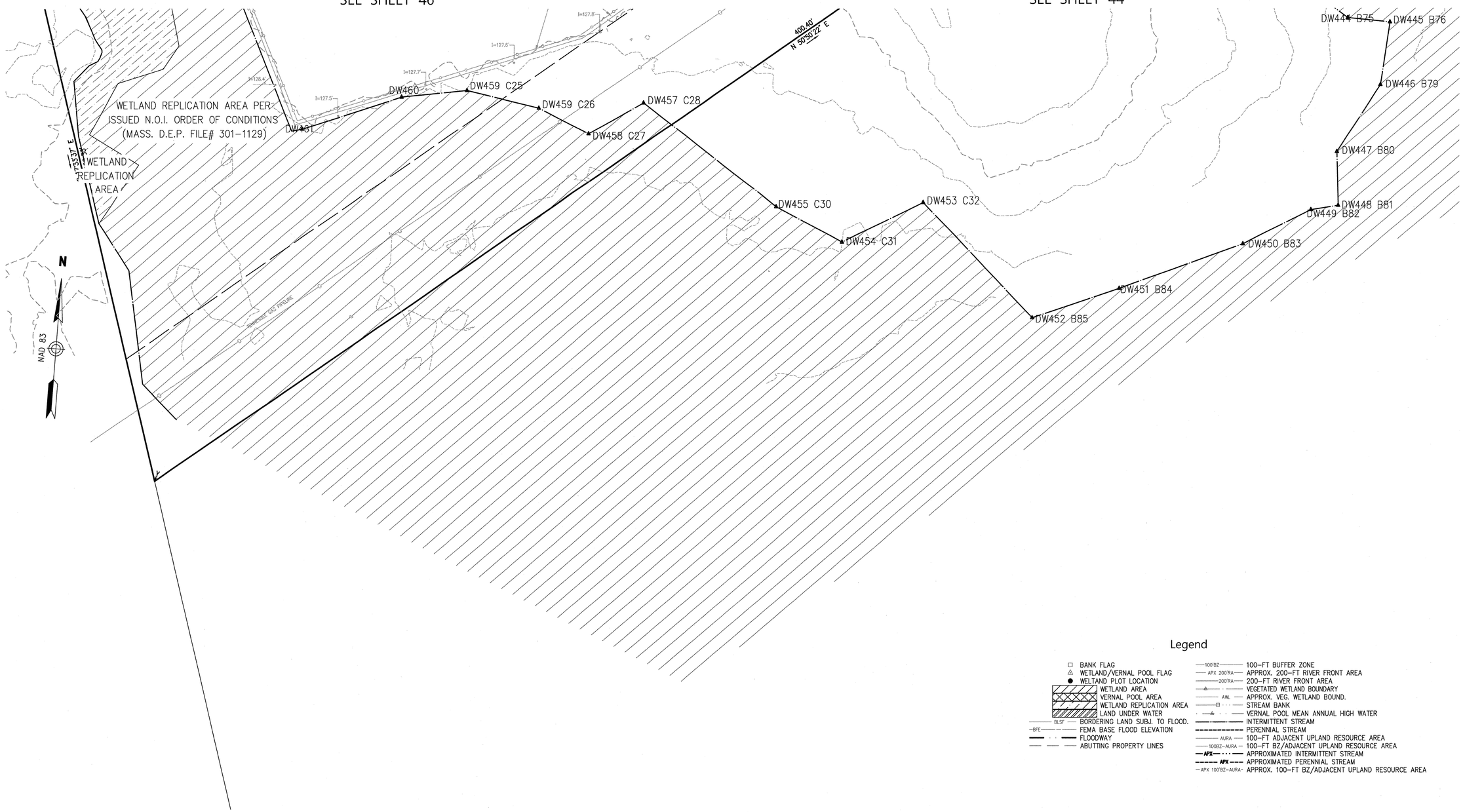
SUDBURY



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SHEET 46 OF 46