

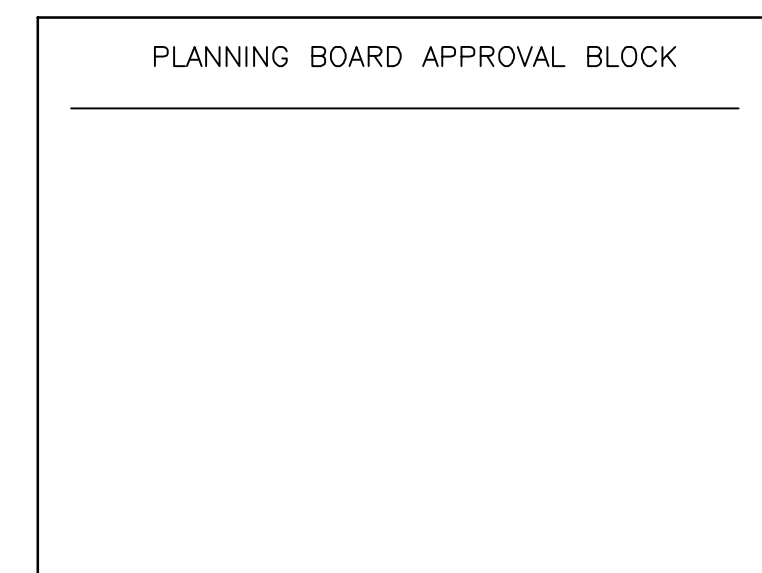
BENDING BROOK RESIDENTIAL DEVELOPMENT TAX MAP 239 LOTS 35 MALLEGO ROAD

RECORD OWNERS:

TAX MAP 239 LOT 35
PAUL GUPTILL
PO BOX 587
BARRINGTON, NH 03825

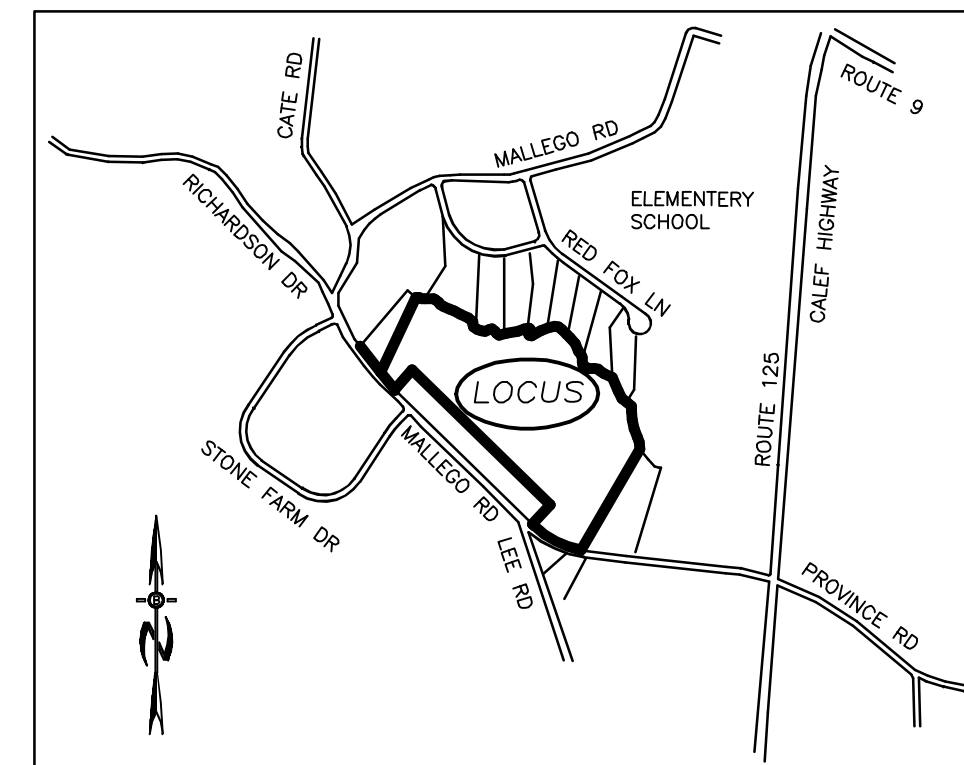
APPLICANT:

JOSEPH FALZONE
7B EMERY LANE
STRATHAM, N.H. 03885



REQUIRED PERMITS

NHDES SUBDIVISION APPROVAL NUMBER: SA 2022
NHDES ALTERATION OF TERRIAN NUMBER:
NPDES APPROVAL NUMBER:



LOCATION MAP
1"=1500'

PLAN SET LEGEND

UTILITY POLE		OVERHEAD ELEC. LINE		OHE
DRAIN MANHOLE		UNDERGROUND ELEC. LINE		UGE
EXISTING CATCH BASIN		DRAINAGE LINE		
EXIST. SPOT GRADE	96+69	STONE WALL		
SINGLE POST SIGN		TREE LINE		
TEST PIT		ABUT. PROPERTY LINES		
30k GAL. FIRE CISTERN		EXIST. PROPERTY LINES		
4000 SF SEPTIC RESERVE AREA		PROP. PROPERTY LINES		
PROP. WELL W/ 75' PROTECTIVE RAD.		BUILDING SETBACK LINES		
		EXIST. CONTOUR		100
		PROP. CONTOUR		100
		SOIL LINES		
		SILT FENCE OR EROSION CONTROL BERM		

INDEX

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ROAD CROSS SECTIONS	

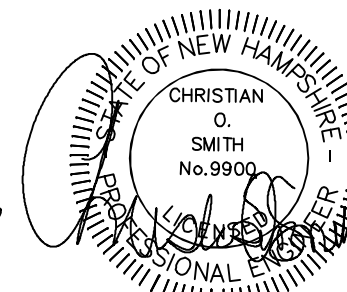
WETLAND/SOIL CONSULTANT:



GZA GeoEnvironmental, Inc.
Engineers and Scientists
5 COMMERCE PARK NORTH
SUITE 201
BEDFORD, NH 03110-6984
603-623-3600



70 PORTSMOUTH AVE,
THIRD FLOOR, SUITE 2
STRATHAM, N.H. 03885
PHONE: 603-583-4860,
FAX: 603-583-4863



LAND SURVEYORS:

Serving Your Professional Surveying & Mapping Needs
102 Kent Place, Newmarket, NH 03857-0163
Voice (603) 659-6560, Data (603) 659-4118

REVIEWED AND APPROVED
IN ACCORDANCE WITH THE
REQUIREMENTS OF THE
NH DEPT OF ENVIRONMENTAL SERVICES
WATER DIVISION
Eric Thomas
Date: 6/6/2023
#eSA2023060601

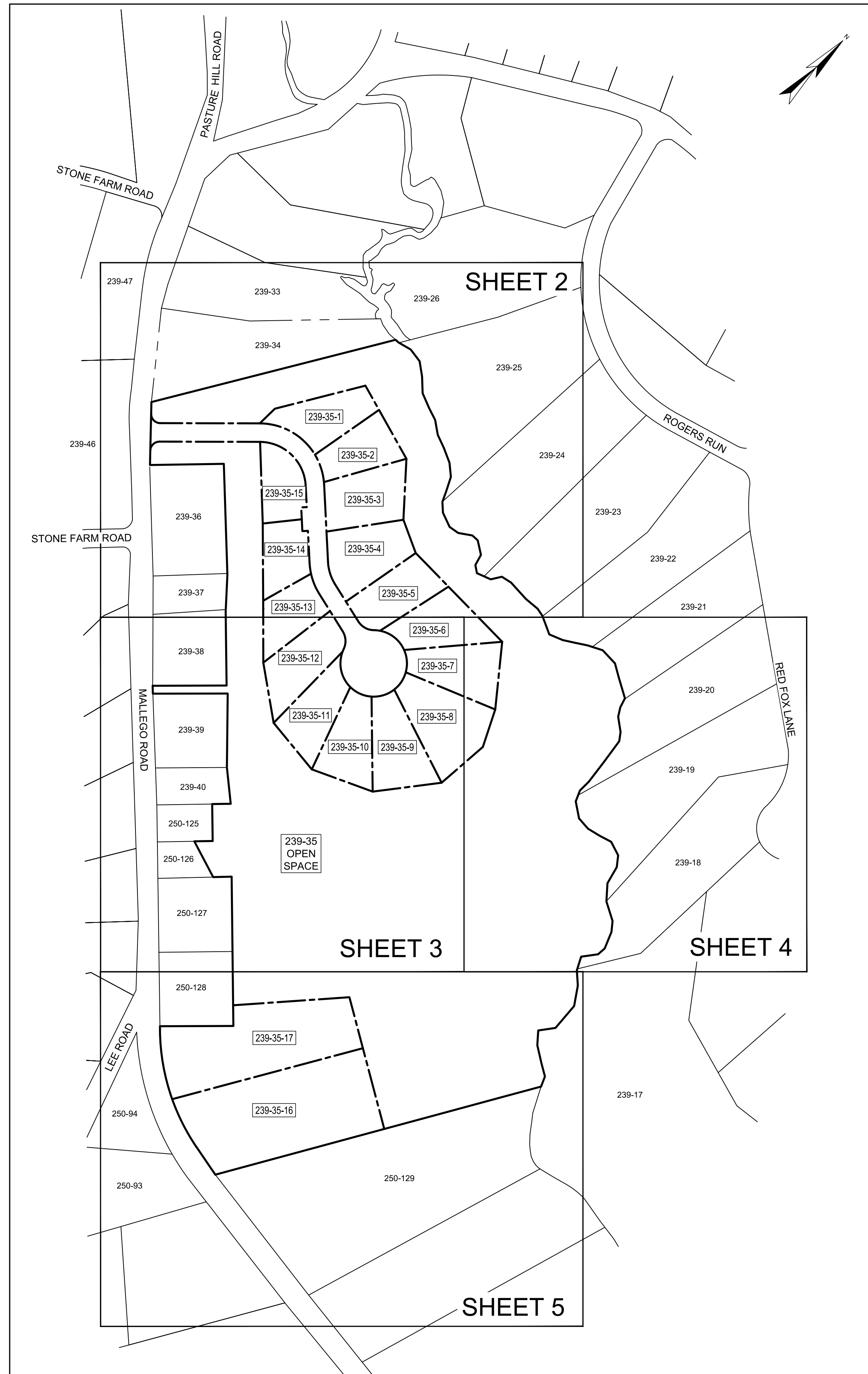
REVISOR	DATE
REVISIONS:	1-17-23
COVER SHEET	
PLAN FOR: RESIDENTIAL DEVELOPMENT MALLEGO ROAD BARRINGTON, NH	
PROJ. NO: NH-1443	DATE: NOV 2022

NOTES:

- REFERENCE: TAX MAP 239, LOT 35
MALLEGO ROAD
BARRINGTON, NEW HAMPSHIRE
 - TOTAL PARCEL AREA: 1,881,190± SQ. FT. OR 43.3± AC.
 - OWNER OF RECORD: PAUL GUPTILL
PO BOX 587
BARRINGTON, NH 03852
S.C.R.D. BOOK 2070, PAGE 206
 - ZONE: VILLAGE DISTRICT
STRATIFIED DRIFT AQUIFER OVERLAY
WETLAND PROTECTION DISTRICT OVERLAY
- DIMENSIONAL REQUIREMENTS:
- | | CONSERVATION SUBDIVISION |
|------------------------|------------------------------------|
| MIN. LOT AREA | 80,000 sq.ft. |
| MIN. FRONTAGE | 200 ft. |
| LOT WIDTH | 75 ft. (AT FRONT BUILDING SETBACK) |
| MIN. FRONT SETBACK | 40 ft. |
| MIN. SIDE/REAR SETBACK | 30 ft. |
| MAX. BUILDING HEIGHT | 35 ft. |
| MAX. LOT COVERAGE | 40 % |
| WETLAND SETBACKS | 50 ft. |
- ZONING INFORMATION LISTED HEREON IS BASED ON THE TOWN OF BARRINGTON OF ZONING ORDINANCE DATED MARCH 8, 2022 AS AVAILABLE ON THE TOWN WEBSITE ON OCTOBER 7, 2022 ADDITIONAL REGULATIONS APPLY, AND REFERENCE IS HEREBY MADE TO THE EFFECTIVE ZONING ORDINANCE. THE LAND OWNER IS RESPONSIBLE FOR COMPLYING WITH ALL APPLICABLE MUNICIPAL, STATE AND FEDERAL REGULATIONS.
- FIELD SURVEY PERFORMED BY J.M.L. & D.D.L. (DOUCET SURVEY) DURING JUNE THROUGH AUGUST 2022 USING A TRIMBLE S6 TOTAL STATION AND A TRIMBLE R12 SURVEY GRADE GPS WITH A TRIMBLE TSC3 DATA COLLECTOR AND A SOKKIA B21 AUTO LEVEL. TRAVERSE ADJUSTMENT BASED ON LEAST SQUARE ANALYSIS.
 - HORIZONTAL DATUM BASED ON NAD83(2011) NEW HAMPSHIRE STATE PLANE COORDINATE ZONE (2800) DERIVED FROM REDUNDANT GPS OBSERVATIONS UTILIZING THE KEYNET GPS VRS NETWORK.
 - JURISDICTIONAL WETLANDS DELINEATED BY GZA, DURING JUNE 2022 IN ACCORDANCE TO THE:
 - US ARMY CORPS OF ENGINEERS WETLANDS DELINEATION MANUAL, TECHNICAL REPORT Y-87-1 (JANUARY, 1987).
 - REGIONAL SUPPLEMENT TO THE CORPS OF ENGINEERS WETLAND DELINEATION MANUAL: NORTHCENTRAL AND NORTHEAST REGION (2012).
 - NATIONAL LIST OF PLANT SPECIES THAT OCCUR IN WETLANDS: NORTHEAST (REGION 1). U.S. FISH AND WILDLIFE SERVICE (2013).
 - CODE OF ADMINISTRATIVE RULES. WETLANDS BOARD, STATE OF NEW HAMPSHIRE (CURRENT).
 - FIELD INDICATORS OF HYDRIC SOILS IN THE UNITED STATES, VERSION 8.0, 2016 AND (FOR DISTURBED SITES) FIELD INDICATORS FOR IDENTIFYING HYDRIC SOILS IN NEW ENGLAND, VERSION 4. NEHSTC (MAY 2017).
 - FLOOD HAZARD ZONE: "X", PER FIRM MAP #3301C0285D, DATED 5/17/05.
 - THE INTENT OF THIS PLAN IS TO SHOW THE LOCATION OF BOUNDARIES IN ACCORDANCE WITH AND IN RELATION TO THE CURRENT LEGAL DESCRIPTION, AND IS NOT AN ATTEMPT TO DEFINE UNWRITTEN RIGHTS, DETERMINE THE EXTENT OF OWNERSHIP, OR DEFINE THE LIMITS OF TITLE.
 - DUE TO THE COMPLEXITY OF RESEARCHING ROAD RECORDS AS A RESULT OF INCOMPLETE, UNORGANIZED, INCONCLUSIVE, OBLITERATED, OR LOST DOCUMENTS, THERE IS AN INHERENT UNCERTAINTY INVOLVED WHEN ATTEMPTING TO DETERMINE THE LOCATION AND WIDTH OF A ROADWAY RIGHT OF WAY. THE EXTENT OF THE ROAD AS DEPICTED HEREON IS BASED ON RESEARCH CONDUCTED AT THE S.C.R.D. AND BARRINGTON TOWN OFFICES.
 - WATER BOUNDARIES ARE DYNAMIC IN NATURE AND ARE SUBJECT TO CHANGE DUE TO NATURAL CAUSES SUCH AS EROSION OR ACCRETION.
 - PER TOWN OF BARRINGTON SUBDIVISION REGULATIONS SECTION 8.8, 5/8" CAPPED REBAR ARE PROPOSED TO BE SET ALONG LOT LINE SEGMENTS GREATER THAN 300'. PROPOSED LINE MONUMENTS ARE SHOWN HEREON AT THE MIDPOINTS OF SAID LINES AND SHOWN FOR REFERENCE ONLY. THE FINAL LOCATIONS SHALL BE DETERMINED BY SITE CONDITIONS.

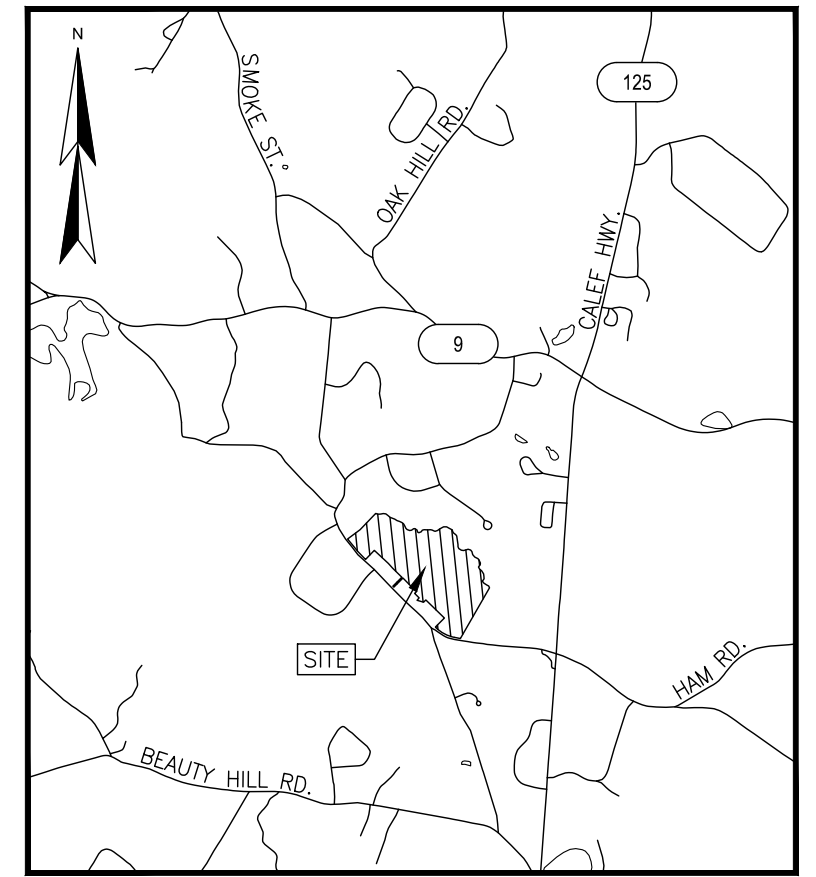
REFERENCE PLANS:

- "SUBDIVISION OF LAND OF THE CALEF FAMILY LAND BARRINGTON, N.H." DATED NOVEMBER 7, 1985 BY KIMBALL CHASE COMPANY, INC. S.C.R.D. PLAN 29-3.
- "SUBDIVISION PLAN FOR CALEF INC. BARRINGTON, N.H." DATED FEBRUARY 6, 1988 BY KIMBALL CHASE COMPANY, INC. S.C.R.D. PLAN 29-70.
- "SUBDIVISION PLAN" DATED JUNE 8, 1988 BY KIMBALL CHASE COMPANY, INC. S.C.R.D. PLAN 34-100.
- "LAND OF LATHAM NICHOLS PROVINCE ROAD BARRINGTON, N.H." DATED APRIL 19, 1996 BY BERRY SURVEYING & ENGINEERING. S.C.R.D. PLAN 48-33.
- "PROPOSED BOUNDARY LINE REVISION LAND OF MADELYN SWENSON & LATHAM NICHOLS PROVINCE ROAD BARRINGTON, N.H." DATED MAY 19, 1997 BY BERRY SURVEYING & ENGINEERING. S.C.R.D. PLAN 50-15.
- "SUBDIVISION PLAN PREPARED FOR R.L.C. HOLDINGS, INC. AND ANDREA E. ROWELL OF MAP 11, LOT 4-2B AND LOT 89 MALLEGO ROAD COUNTY OF STRAFFORD BARRINGTON, N.H." DATED AUGUST 20, 1998 BY DAVID W. VINCENT LLS. LAND SURVEYING SERVICES. S.C.R.D. PLAN 56-52.
- "STONE FARM SUBDIVISION FOR CARLISLE REALTY, L.L.C. PROVINCE ROAD BARRINGTON, N.H." BY DOUCET SURVEY INC. DATED OCTOBER 18, 1999. S.C.R.D. PLAN 60-72.
- "SUBDIVISION PLAN PREPARED FOR R.L.C. HOLDINGS, INC. OF 'CALEF WOODS' MALLEGO ROAD COUNTY OF STRAFFORD BARRINGTON, N.H." DATED FEBRUARY 14, 2000 BY DAVID W. VINCENT LLS. LAND SURVEYING SERVICES. S.C.R.D. PLAN 65-13.
- "LOT LINE ADJUSTMENT PLAN PREPARED FOR ROSE REALTY TRUST, CARLISLE REALTY LLC, ROSE REALTY LLC AND PAUL GUPTILL OF 'CALEF WOODS' MALLEGO ROAD COUNTY OF STRAFFORD BARRINGTON, N.H." DATED AUGUST 1, 2002 BY DAVID W. VINCENT LLS. LAND SURVEYING SERVICES. S.C.R.D. PLAN 67-7.
- "SITE PLAN PROVINCE ROAD & N.H. ROUTE 125 BARRINGTON, N.H. FOR ORCHARD AUTO SALES" DATED NOVEMBER, 1999, BY NORWAY PLAINS ASSOCIATES, INC. S.C.R.D. 58-32



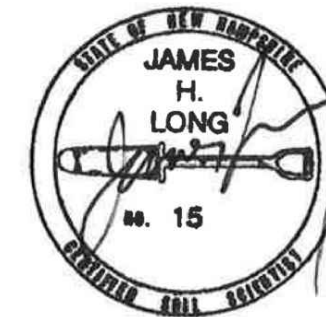
LEGEND

- EXISTING LOT LINE
- - - PROPOSED LOT LINE
- TIE LINE
- APPROXIMATE ABUTTERS LOT LINE
- BUILDING SETBACK LINE
- WETLAND SETBACK
- ○ ○ ○ ○ STONE WALL
- ○ ○ ○ ○ RETAINING WALL
- ○ ○ ○ ○ CHAIN LINK FENCE
- □ □ □ □ STOCKADE FENCE
- v — v — v PICKET FENCE
- x — x — x WIRE FENCE
- · — · — · EDGE OF DELINEATED WETLAND
- · — · — · WATERCOURSE
- WETLAND AREA
- ○ ○ ○ ○ BOUND FOUND (BND. FND.)
- ○ ○ ○ ○ DRILL HOLE FOUND (D.H.F.)
- ○ ○ ○ ○ PIPE/ROD FOUND
- ○ ○ ○ ○ 4"x4" GRANITE BOUND TO BE SET
- ○ ○ ○ ○ 5/8" REBAR W/D CAP TO BE SET (SEE NOTE 13)
- ○ ○ ○ ○ UTILITY POLE
- ○ ○ ○ ○ UTILITY POLE & GUY WIRE
- ○ ○ ○ ○ SUPPLY WELL
- ○ ○ ○ ○ BOUND FOUND
- ○ ○ ○ ○ DOUBLE YELLOW LINE
- ○ ○ ○ ○ EDGE OF PAVEMENT
- ○ ○ ○ ○ GRANITE
- ○ ○ ○ ○ IRON PIPE FOUND
- ○ ○ ○ ○ RETAINING WALL
- ○ ○ ○ ○ STEEL STAKE FOUND

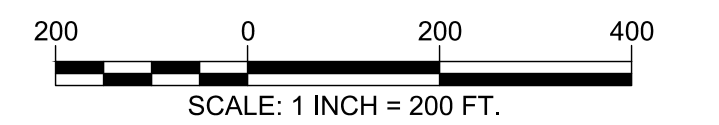


LOCATION MAP (1" = 3000')

APPROVED DATE _____
BARRINGTON, NH
PLANNING BOARD



THE SUBDIVISION REGULATIONS OF THE TOWN OF BARRINGTON ARE A PART OF THIS PLAN, AND APPROVAL OF THIS PLAN IS CONTINGENT UPON COMPLETION OF ALL REQUIREMENTS OF SAID SUBDIVISION REGULATIONS, EXCEPTING ONLY MODIFICATIONS MADE IN WRITING BY THE BOARD AND ATTACHED HERETO.



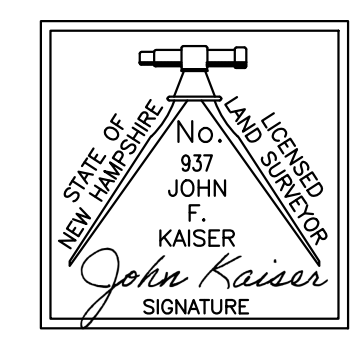
SUBDIVISION PLAN
FOR
GUPTILL PROPERTIES
OF
TAX MAP 239 LOT 35
MALLEGO ROAD
BARRINGTON, NEW HAMPSHIRE

NO.	DATE	REVISION PER REVIEW #1	DESCRIPTION	M.T.L.	BY
1	01/17/23				

DRAWN BY: M.T.L. & P.C.L.	DATE: NOVEMBER 15, 2022
CHECKED BY: J.F.K.	DRAWING NO. 7470B
JOB NO. 7470	SHEET 1

I CERTIFY THAT THIS SURVEY AND PLAN WERE PREPARED BY ME OR BY THOSE UNDER MY DIRECT SUPERVISION AND FALLS UNDER THE URBAN SURVEY CLASSIFICATION OF THE NH CODE OF ADMINISTRATIVE RULES OF THE BOARD OF LICENSURE FOR LAND SURVEYORS. I CERTIFY THAT THIS SURVEY WAS MADE ON THE GROUND AND IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. RANDOM TRAVERSE SURVEY BY TOTAL STATION, WITH A PRECISION GREATER THAN 1:15,000.

John Kaiser L.L.S. #937
1/17/23 DATE



THE CERTIFICATIONS SHOWN HEREON ARE INTENDED TO MEET REGISTRY OF DEED REQUIREMENTS AND ARE NOT A CERTIFICATION TO TITLE OR OWNERSHIP OF PROPERTY SHOWN. OWNERS OF ADJOINING PROPERTIES ARE ACCORDING TO CURRENT TOWN ASSESSORS RECORDS.

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REVIEWED AND APPROVED
IN ACCORDANCE WITH THE REQUIREMENTS OF THE NH DEPT OF ENVIRONMENTAL SERVICES WATER DIVISION
Eric Thomas
Date: 6/6/2023
#eSA2023060601

CURVE TABLE					
CURVE	ARC LENGTH	RADIUS	DELTA ANGLE	CHORD BEARING	CHORD LENGTH
C1	39.79'	25.00'	91°11'30"	N89°16'11"W	35.72'
C2	179.42'	175.00'	58°44'29"	S74°30'19"W	171.66'
C3	78.74'	175.00'	25°46'47"	N63°14'03"W	78.08'
C4	63.65'	125.00'	29°10'35"	N62°27'51"W	62.97'
C4	7.54'	175.00'	2°28'06"	N49°06'36"W	7.54'
C17	59.56'	175.00'	19°30'05"	S67°18'06"E	59.28'
C18	29.55'	175.00'	9°40'30"	S52°42'48"E	29.52'
C19	188.53'	125.00'	86°24'58"	N88°54'58"E	171.16'
C20	38.75'	25.00'	88°48'30"	N00°43'49"E	34.99'

LINE TABLE		
LINE	BEARING	DISTANCE
L1	N43°40'26"W	38.90'
L2	N43°40'26"W	100.02'
L3	N43°40'26"W	31.47'
L4	S77°03'08"E	63.48'
L5	N77°03'08"E	54.50'
L6	S42°16'53"W	15.18'
L7	N47°43'07"W	31.99'
L8	N47°43'07"W	32.26'
L9	N42°16'53"E	15.00'

TAX MAP 239, LOT 47
STEPHEN & ROXANNE SCARPONI
5 STONE FARM RD
BARRINGTON, NH 03825
S.C.R.D. BOOK 4944, PAGE 185

TAX MAP 239, LOT 33
MICHAEL & JOAN REITAN
181 MALLEGO RD
BARRINGTON, NH 03825
S.C.R.D. BOOK 3640, PAGE 786

TAX MAP 239, LOT 26
JOHN & ELIZABETH LAMARRE
51 ROGERS RUN
BARRINGTON, NH 03825
S.C.R.D. BOOK 2637, PAGE 361

TAX MAP 239, LOT 34
PAUL GUPTILL
PO BOX 587
BARRINGTON, NH 03825
S.C.R.D. BOOK 2070, PAGE 206

TAX MAP 239, LOT 25
KUMAR & SUJATA KADARIYA RAM
41 ROGERS RUN
BARRINGTON, NH 03825
S.C.R.D. BOOK 2663, PAGE 127

TAX MAP 239, LOT 46
COURTNEY ANNE & BENGAMIN BRADLEY
210 MALLEGO RD
BARRINGTON, NH 03825
S.C.R.D. BK. 4876, PG. 64

TAX MAP 239, LOT 36
ROBERT & ARLINE BROWN
209 MALLEGO RD
BARRINGTON, NH 03825

TAX MAP 239, LOT 24
EARL & ELAINE CASE
37 ROGERS RUN
BARRINGTON, NH 03825
S.C.R.D. BOOK 3694, PAGE 812

TAX MAP 239, LOT 23
NICHOLE ATKINSON
27 ROGERS RUN
BARRINGTON, NH 03825
S.C.R.D. BOOK 4929, PAGE 914

TAX MAP 239, LOT 37
THE MILLETTE FAMILY TRUST
DONALD F. & RACHEL M. MILLETTE
221 MALLEGO RD
BARRINGTON, NH 03825
S.C.R.D. BOOK 4255, PAGE 17

APPROVED DATE
BARRINGTON, NH
PLANNING BOARD

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John Kaiser L.L.S. #937
5/3/23 DATE

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NEW STATE OF NEW HAMPSHIRE
LAND LICENSED SURVEYOR
No. 937
JOHN F. KAISER
John Kaiser
SIGNATURE

50 0 50 100
SCALE: 1 INCH = 50 FT.

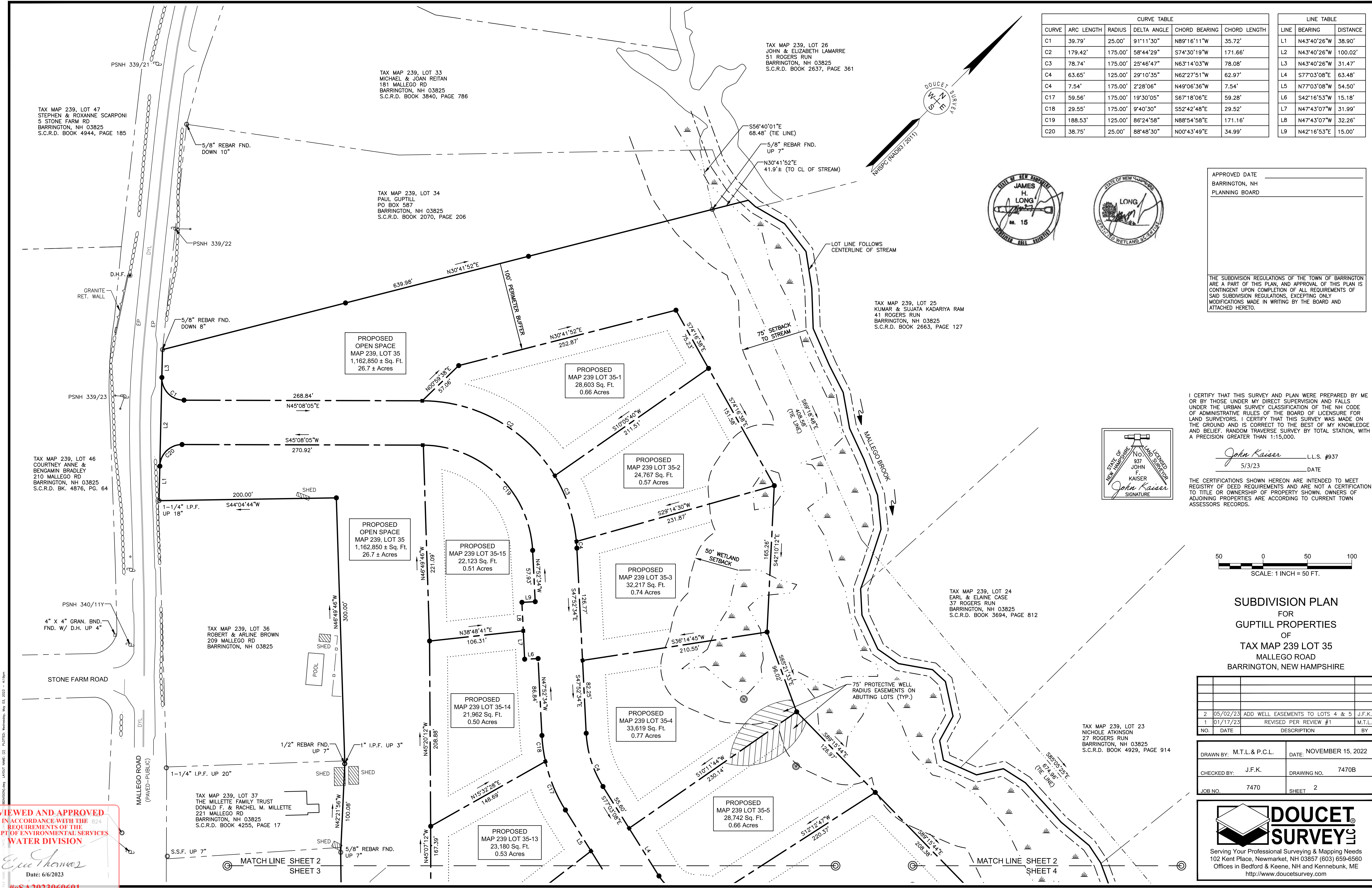
SUBDIVISION PLAN
FOR
GUPTILL PROPERTIES
OF
TAX MAP 239 LOT 35
MALLEGO ROAD
BARRINGTON, NEW HAMPSHIRE

NO.	DATE	DESCRIPTION	BY
2	05/02/23	ADD WELL EASEMENTS TO LOTS 4 & 5	J.F.K.
1	01/17/23	REVISED PER REVIEW #1	M.T.L.

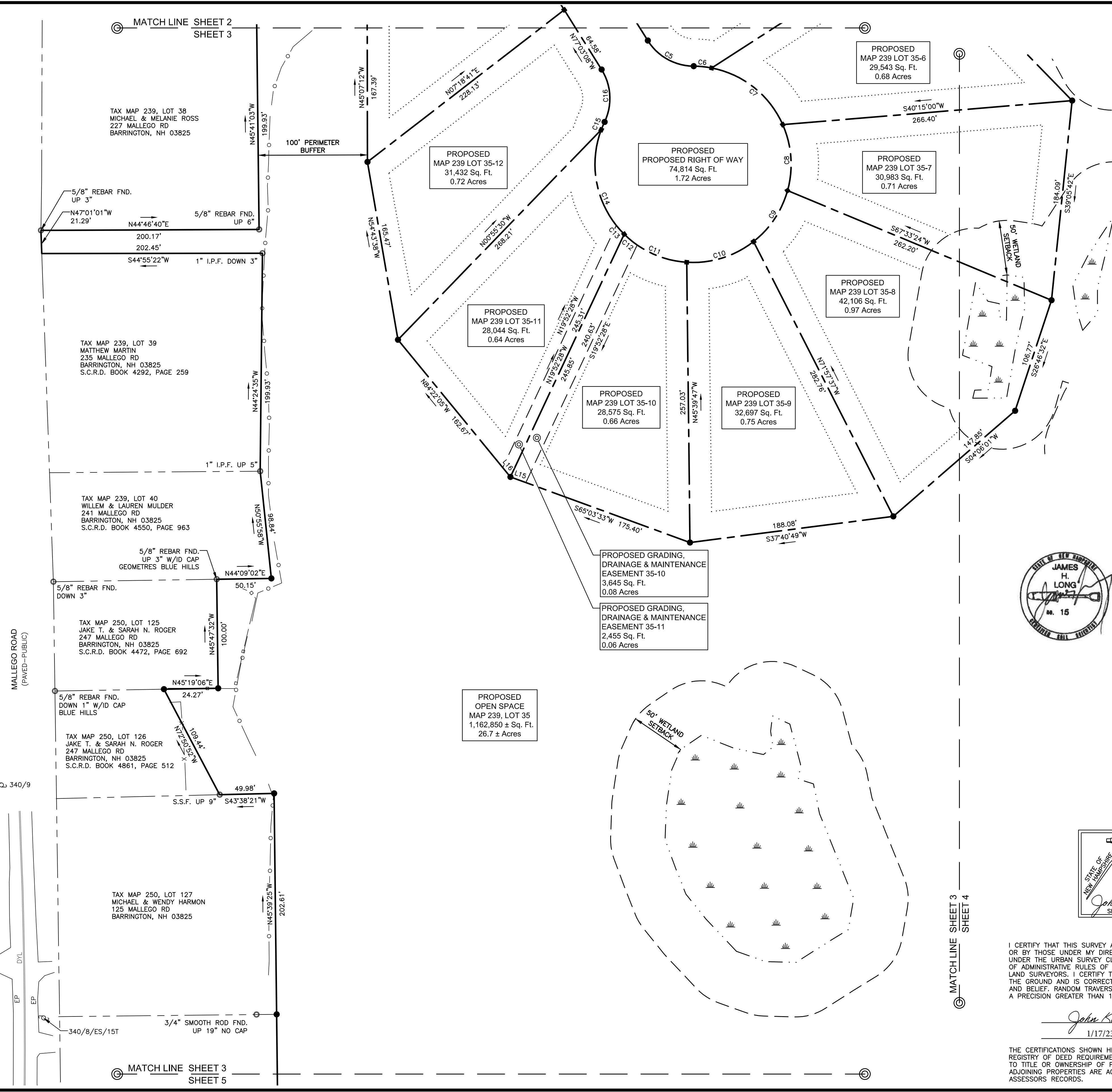
DRAWN BY: M.T.L. & P.C.L. DATE: NOVEMBER 15, 2022
CHECKED BY: J.F.K. DRAWING NO. 7470B
JOB NO. 7470 SHEET 2

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REVIEWED AND APPROVED
IN ACCORDANCE WITH THE
REQUIREMENTS OF THE
NH DEPT. OF ENVIRONMENTAL SERVICES
WATER DIVISION
Eric Thomas
Date: 6/6/2023
#eSA202306001

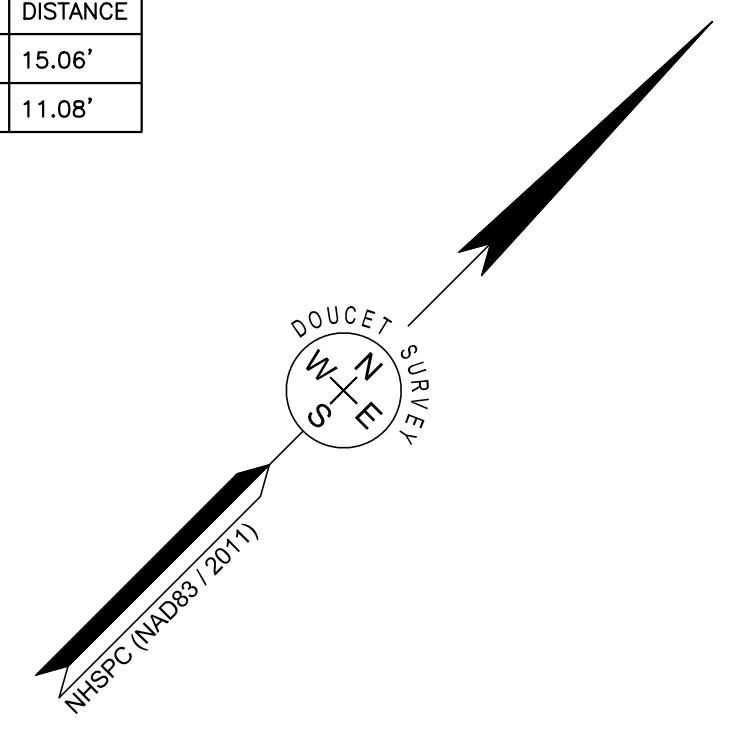


MATCH LINE SHEET 2
SHEET 3



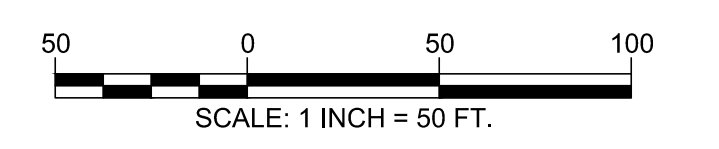
CURVE TABLE					
CURVE	ARC LENGTH	RADIUS	DELTA ANGLE	CHORD BEARING	CHORD LENGTH
C5	50.27'	50.00'	57°36'27"	S74°08'38"W	48.18'
C6	16.67'	90.00'	10°36'41"	S50°38'45"W	16.64'
C7	86.70'	90.00'	55°11'39"	S83°32'55"W	83.39'
C8	61.84'	90.00'	39°22'09"	N49°10'11"W	60.63'
C9	57.13'	90.00'	36°22'19"	N11°16'38"W	56.18'
C10	65.64'	90.00'	41°47'07"	N27°48'05"E	64.19'
C11	64.26'	90.00'	40°54'35"	N69°08'56"E	62.90'
C12	15.52'	90.00'	9°52'39"	N84°39'55"E	15.50'
C14	103.79'	90.00'	66°04'24"	S57°21'34"E	98.13'
C15	7.66'	90.00'	4°52'42"	S21°53'01"E	7.66'
C16	50.27'	50.00'	57°36'27"	S48°14'54"E	48.18'

LINE TABLE		
LINE	BEARING	DISTANCE
L15	S65°03'33"W	15.08'
L16	N84°22'05"W	11.08'



APPROVED DATE _____
BARRINGTON, NH
PLANNING BOARD

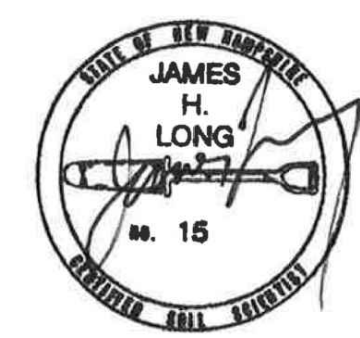
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SUBDIVISION PLAN
FOR
GUPTILL PROPERTIES
OF
TAX MAP 239 LOT 35
MALLEGRO ROAD
BARRINGTON, NEW HAMPSHIRE

NO.	DATE	REVISION PER REVIEW #1	DESCRIPTION	M.T.L.	BY
1	01/17/23				

DRAWN BY: M.T.L. & P.C.L. DATE: NOVEMBER 15, 2022
CHECKED BY: J.F.K. DRAWING NO. 7470B
JOB NO. 7470 SHEET 3



NO. 337
JOHN F. KAISER
LAND SURVEYOR
SIGNATURE

I CERTIFY THAT THIS SURVEY AND PLAN WERE PREPARED BY ME OR BY THOSE UNDER MY DIRECT SUPERVISION AND FALLS UNDER THE URBAN SURVEY CLASSIFICATION OF THE NH CODE OF ADMINISTRATIVE RULES OF THE BOARD OF LICENSURE FOR LAND SURVEYORS. I CERTIFY THAT THIS SURVEY WAS MADE ON THE GROUND AND IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. RANDOM TRAVERSE SURVEY BY TOTAL STATION, WITH A PRECISION GREATER THAN 1:15,000.

John Kaiser L.L.S. #937
1/17/23 DATE

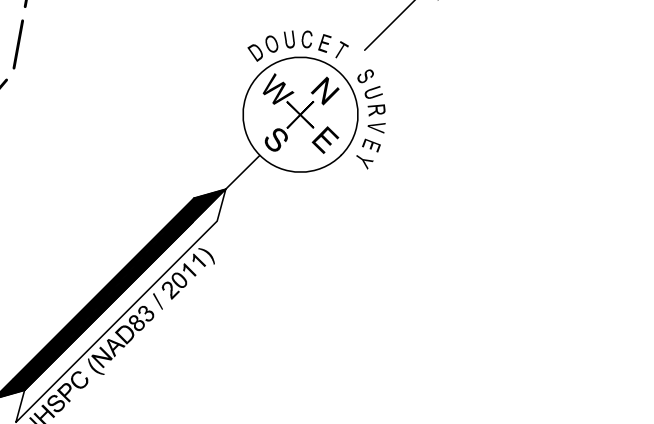
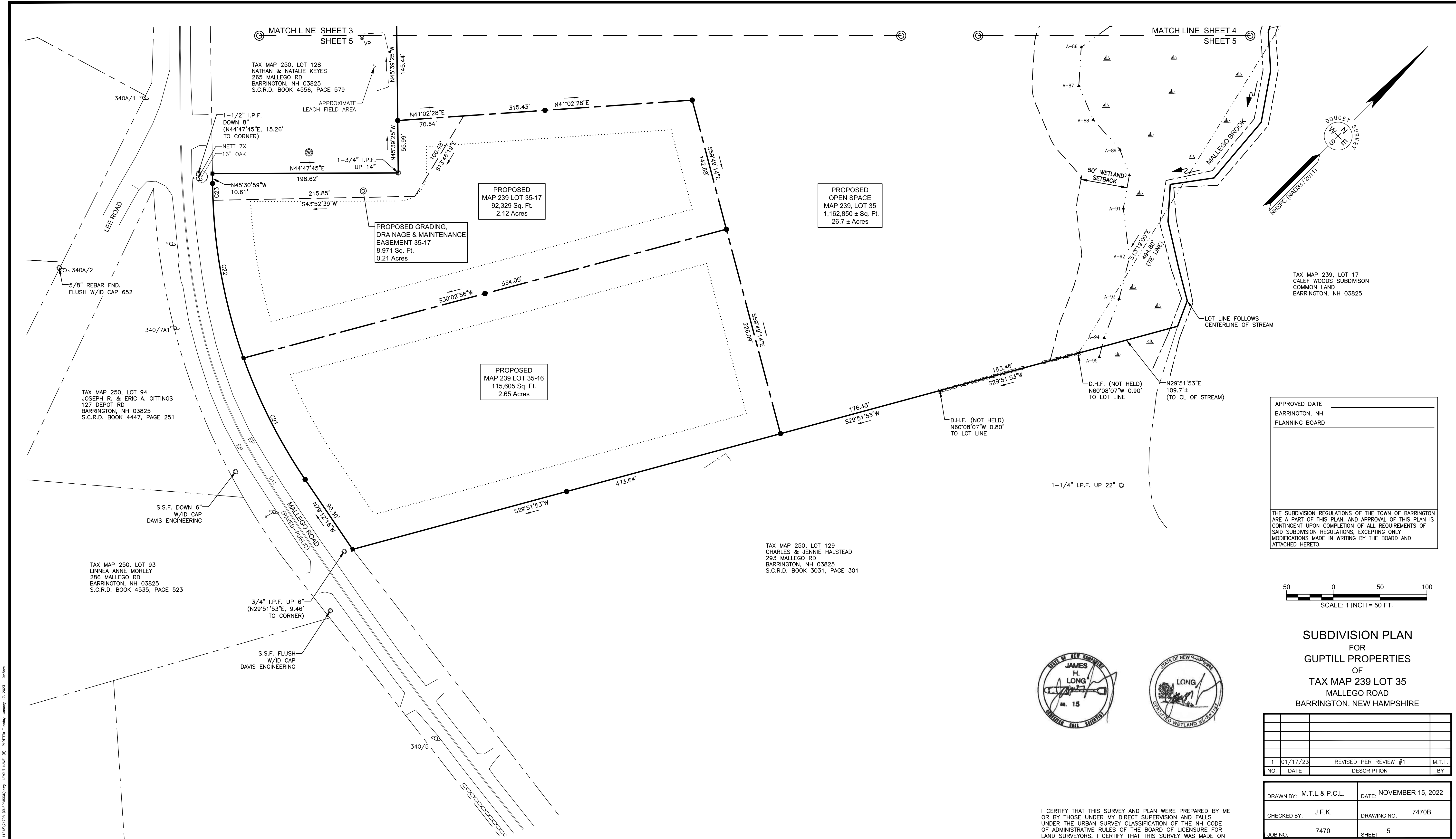
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REVIEWED AND APPROVED
IN ACCORDANCE WITH THE
REQUIREMENTS OF THE
NH DEPT. OF ENVIRONMENTAL SERVICES
WATER DIVISION

Eric Thomas
Date: 6/6/2023
#eSA202306001

MATCH LINE SHEET 3
SHEET 5

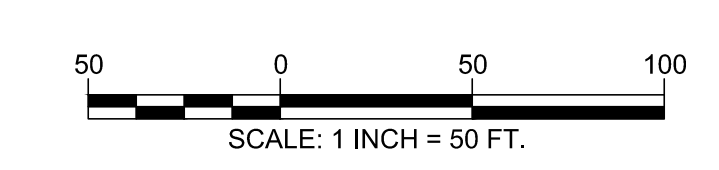
MATCH LINE SHEET 3
SHEET 4



TAX MAP 239, LOT 17
CALEF WOODS SUBDIVISION
COMMON LAND
BARRINGTON, NH 03825

APPROVED DATE _____
BARRINGTON, NH
PLANNING BOARD

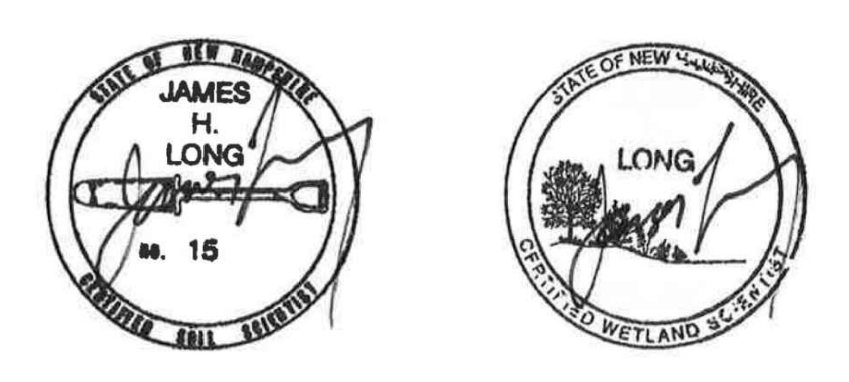
THE SUBDIVISION REGULATIONS OF THE TOWN OF BARRINGTON ARE A PART OF THIS PLAN, AND APPROVAL OF THIS PLAN IS CONTINGENT UPON COMPLETION OF ALL REQUIREMENTS OF SAID SUBDIVISION REGULATIONS, EXCEPTING ONLY MODIFICATIONS MADE IN WRITING BY THE BOARD AND ATTACHED HERETO.



SUBDIVISION PLAN
FOR
GUPTILL PROPERTIES
OF
TAX MAP 239 LOT 35
MALLEGO ROAD
BARRINGTON, NEW HAMPSHIRE

NO.	DATE	REVISION	DESCRIPTION	M.T.L.	BY
1	01/17/23	REVISED PER REVIEW #1			

DRAWN BY: M.T.L. & P.C.L. DATE: NOVEMBER 15, 2022
CHECKED BY: J.F.K. DRAWING NO. 7470B
JOB NO. 7470 SHEET 5



I CERTIFY THAT THIS SURVEY AND PLAN WERE PREPARED BY ME OR BY THOSE UNDER MY DIRECT SUPERVISION AND FALLS UNDER THE URBAN SURVEY CLASSIFICATION OF THE NH CODE OF ADMINISTRATIVE RULES OF THE BOARD OF LICENSURE FOR LAND SURVEYORS. I CERTIFY THAT THIS SURVEY WAS MADE ON THE GROUND AND IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. RANDOM TRAVERSE SURVEY BY TOTAL STATION, WITH A PRECISION GREATER THAN 1:15,000.

John Kaiser
L.L.S. #937
1/17/23 DATE
SIGNATURE

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NH DEPT. OF ENVIRONMENTAL SERVICES
WATER DIVISION

Eric Thomas
Date: 6/6/2023
#ESA2023060601

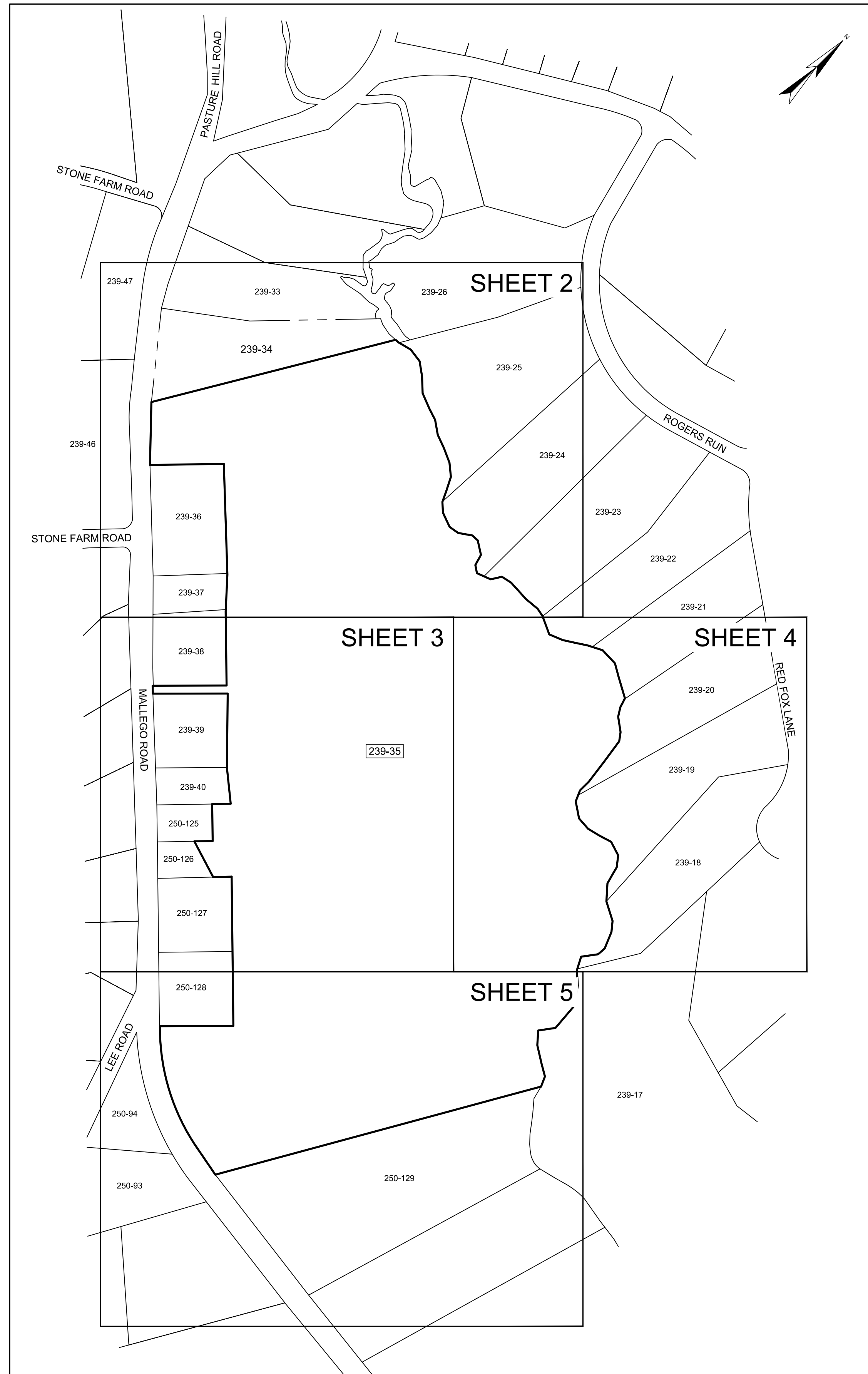
CURVE NO.	CHORD BEARING	CHORD LENGTH
1	N71°53'49"W	145.51'
2	N55°03'11"W	189.54'
3	S48°04'50"E	17.07'

NOTES:

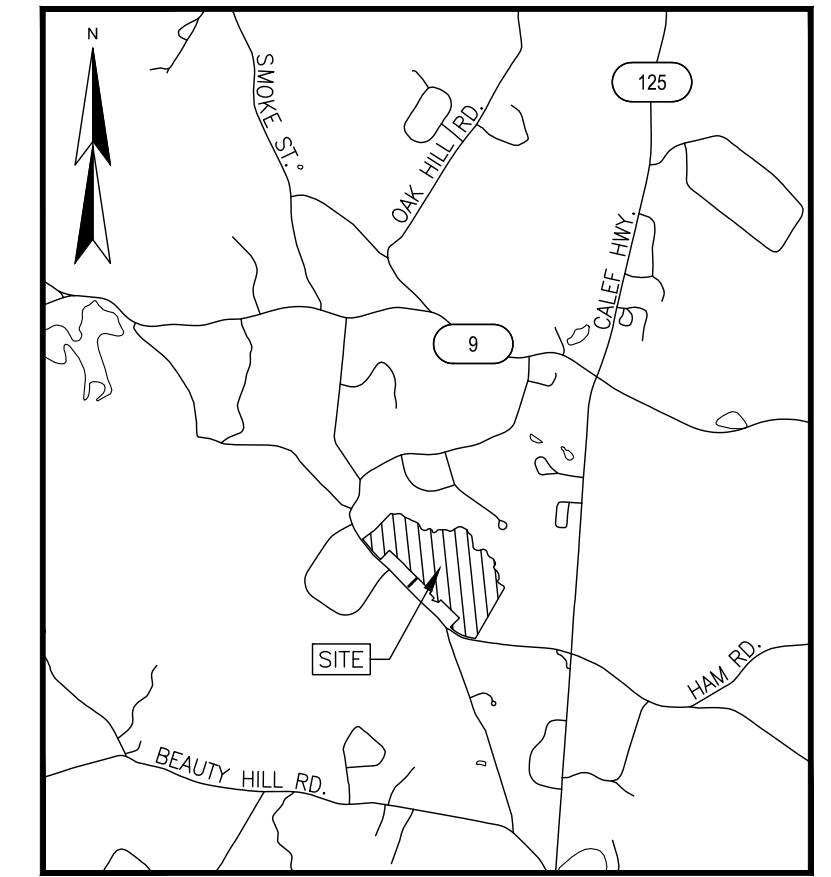
1. REFERENCE: TAX MAP 239, LOT 35
MALLEGO ROAD
BARRINGTON, NEW HAMPSHIRE
2. TOTAL PARCEL AREA: 1,881,190± SQ. FT. OR 43.3± AC.
3. OWNER OF RECORD: PAUL GUPTILL
PO BOX 587
BARRINGTON, NH 03852
S.C.R.D. BOOK 2070, PAGE 206
4. FIELD SURVEY PERFORMED BY J.M.L. & D.D.L. (DOUCET SURVEY) DURING JUNE THROUGH AUGUST 2022 USING A TRIMBLE S6 TOTAL STATION AND A TRIMBLE R12 SURVEY GRADE GPS WITH A TRIMBLE TSC3 DATA COLLECTOR AND A SOKKIA B21 AUTO LEVEL. TRAVERSE ADJUSTMENT BASED ON LEAST SQUARE ANALYSIS.
5. AERIAL SURVEY PERFORMED BY L.P.S. ON MAY 26, 2022 USING A DJI PHANTOM 4 PRO UAV.
6. HORIZONTAL DATUM BASED ON NAD83(2011) NEW HAMPSHIRE STATE PLANE COORDINATE ZONE (2800) DERIVED FROM REDUNDANT GPS OBSERVATIONS UTILIZING THE KEYNET GPS VRS NETWORK.
7. VERTICAL DATUM IS BASED ON APPROXIMATE NAVD83(GEOD18) (±.2') DERIVED FROM REDUNDANT GPS OBSERVATIONS UTILIZING THE KEYNET GPS VRS NETWORK.
8. JURISDICTIONAL WETLANDS DELINEATED BY GZA, DURING JUNE 2022 IN ACCORDING TO THE:
 - US ARMY CORPS OF ENGINEERS WETLANDS DELINEATION MANUAL, TECHNICAL REPORT Y-87-1 (JANUARY, 1987).
 - REGIONAL SUPPLEMENT TO THE CORPS OF ENGINEERS WETLAND DELINEATION MANUAL: NORTHCENTRAL AND NORTHEAST REGION (2012).
 - NATIONAL LIST OF PLANT SPECIES THAT OCCUR IN WETLANDS: NORTHEAST (REGION 1), U.S. FISH AND WILDLIFE SERVICE (2013).
 - CODE OF ADMINISTRATIVE RULES, WETLANDS BOARD, STATE OF NEW HAMPSHIRE (CURRENT).
 - FIELD INDICATORS OF HYDRIC SOILS IN THE UNITED STATES, VERSION 8.0, 2016 AND (FOR DISTURBED SITES) FIELD INDICATORS FOR IDENTIFYING HYDRIC SOILS IN NEW ENGLAND, VERSION 4, NEHSTC (MAY 2017).
9. FLOOD HAZARD ZONE: "X", PER FIRM MAP #3301C0285D, DATED 5/17/05.
10. PROPER FIELD PROCEDURES WERE FOLLOWED IN ORDER TO GENERATE CONTOURS AT 2' INTERVALS. ANY MODIFICATION OF THIS INTERVAL WILL DIMINISH THE INTEGRITY OF THE DATA, AND DOUCET SURVEY, WILL NOT BE RESPONSIBLE FOR ANY SUCH ALTERATION PERFORMED BY THE USER.
11. THE INTENT OF THIS PLAN IS TO SHOW THE LOCATION OF BOUNDARIES IN ACCORDANCE WITH AND IN RELATION TO THE CURRENT LEGAL DESCRIPTION, AND IS NOT AN ATTEMPT TO DEFINE UNWRITTEN RIGHTS, DETERMINE THE EXTENT OF OWNERSHIP, OR DEFINE THE LIMITS OF TITLE.
12. THE ACCURACY OF MEASURED UTILITY INVERTS AND PIPE SIZES/TYPES IS SUBJECT TO NUMEROUS FIELD CONDITIONS, INCLUDING: THE ABILITY TO MAKE VISUAL OBSERVATIONS, DIRECT ACCESS TO THE VARIOUS ELEMENTS, MANHOLE CONFIGURATION, ETC.
13. DUE TO THE COMPLEXITY OF RESEARCHING ROAD RECORDS AS A RESULT OF INCOMPLETE, UNORGANIZED, INCONCLUSIVE, OBLITERATED, OR LOST DOCUMENTS, THERE IS AN INHERENT UNCERTAINTY INVOLVED WHEN ATTEMPTING TO DETERMINE THE LOCATION AND WIDTH OF A ROADWAY RIGHT OF WAY. THE EXTENT OF THE ROAD AS DEPICTED HEREON IS BASED ON RESEARCH CONDUCTED AT THE S.C.R.D. AND BARRINGTON TOWN OFFICES.
14. WATER BOUNDARIES ARE DYNAMIC IN NATURE AND ARE SUBJECT TO CHANGE DUE TO NATURAL CAUSES SUCH AS EROSION OR ACCRETION.
15. OVERALL ABUTTING PARCEL BOUNDARIES AS SHOWN HEREON ARE BASED ON GIS DATA AND ARE IN THEIR ORIGINAL LOCATION. THE PARCEL BOUNDARIES HAVE NOT BEEN ADJUSTED TO MATCH FOUND PROPERTY MONUMENTS OR THE EDGE OF RIGHT OF WAY AS DETERMINED BY THE SURVEYOR.
16. ALL UNDERGROUND UTILITIES (ELECTRIC, GAS, TEL. WATER, SEWER DRAIN SERVICES) ARE SHOWN IN SCHEMATIC FASHION. THEIR LOCATIONS ARE NOT PRECISE OR NECESSARILY ACCURATE. NO WORK WHATSOEVER SHALL BE UNDERTAKEN USING THIS PLAN TO LOCATE THE ABOVE SERVICES. CONSULT WITH THE PROPER AUTHORITIES CONCERNED WITH THE SUBJECT SERVICE LOCATIONS FOR INFORMATION REGARDING SUCH. CALL DIG-SAFE AT 1-888-DIG-SAFE.

REFERENCE PLANS:

1. "SUBDIVISION OF LAND OF THE CALEF FAMILY LAND BARRINGTON, N.H." DATED NOVEMBER 7, 1985 BY KIMBALL CHASE COMPANY, INC. S.C.R.D. PLAN 29-3.
2. "SUBDIVISION PLAN FOR CALEF INC. BARRINGTON, N.H." DATED FEBRUARY 6, 1988 BY KIMBALL CHASE COMPANY, INC. S.C.R.D. PLAN 29-70.
2. "SUBDIVISION PLAN" DATED JUNE 8, 1988 BY KIMBALL CHASE COMPANY, INC. S.C.R.D. PLAN 34-100.
3. "LAND OF LATHAM NICHOLS PROVINCE ROAD BARRINGTON, N.H." DATED APRIL 19, 1996 BY BERRY SURVEYING & ENGINEERING. S.C.R.D. PLAN 48-33.
4. "PROPOSED BOUNDARY LINE REVISION LAND OF MADELYN SWENSON & LATHAM NICHOLS PROVINCE ROAD BARRINGTON, N.H." DATED MAY 19, 1997 BY BERRY SURVEYING & ENGINEERING. S.C.R.D. PLAN 50-15.
5. "SUBDIVISION PLAN PREPARED FOR R.L.C. HOLDINGS, INC. AND ANDREA E. ROWELL OF MAP 11, LOT 4-2B AND LOT 89 MALLEGO ROAD COUNTY OF STRAFFORD BARRINGTON, N.H." DATED AUGUST 20, 1998 BY DAVID W. VINCENT LLS. LAND SURVEYING SERVICES. S.C.R.D. PLAN 56-52.
6. "STONE FARM SUBDIVISION FOR CARLISLE REALTY, L.L.C. PROVINCE ROAD BARRINGTON, N.H." BY DOUCET SURVEY INC. DATED OCTOBER 18, 1999. S.C.R.D. PLAN 60-72.
7. "SUBDIVISION PLAN PREPARED FOR R.L.C. HOLDINGS, INC. OF 'CALEF WOODS' MALLEGO ROAD COUNTY OF STRAFFORD BARRINGTON, N.H." DATED FEBRUARY 14, 2000 BY DAVID W. VINCENT LLS. LAND SURVEYING SERVICES. S.C.R.D. PLAN 65-13.
8. "LOT LINE ADJUSTMENT PLAN PREPARED FOR ROSE REALTY TRUST, CARLISLE REALTY LLC, ROSE REALTY LLC AND PAUL GUPTILL OF 'CALEF WOODS' MALLEGO ROAD COUNTY OF STRAFFORD BARRINGTON, N.H." DATED AUGUST 1, 2002 BY DAVID W. VINCENT LLS. LAND SURVEYING SERVICES. S.C.R.D. PLAN 67-7.
9. "SITE PLAN PROVINCE ROAD & N.H. ROUTE 125 BARRINGTON, N.H. FOR ORCHARD AUTO SALES" DATED NOVEMBER, 1999. BY NORWAY PLAINS ASSOCIATES, INC. S.C.R.D. 58-32



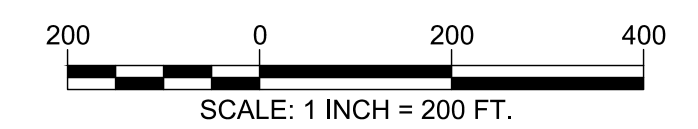
KEY MAP



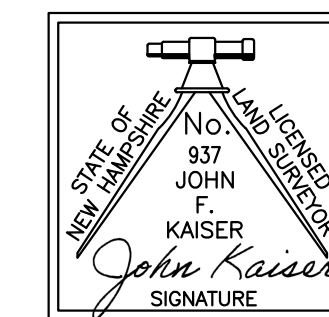
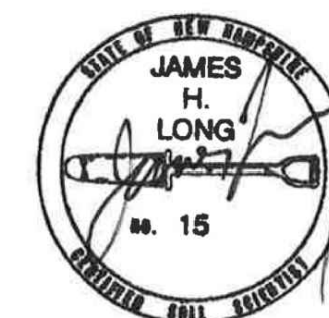
LOCATION MAP (1" = 3000')

LEGEND

- EXISTING LOT LINE
- APPROXIMATE ABUTTERS LOT LINE
- MAJOR CONTOUR LINE
- MINOR CONTOUR LINE
- STONE WALL
- RETAINING WALL
- CHAIN LINK FENCE
- STOCKADE FENCE
- PICKET FENCE
- WIRE FENCE
- OVERHEAD WIRE
- TREE LINE
- EDGE OF DELINEATED WETLAND
- WATERCOURSE
- WETLAND AREA
- PILE
- BOUND FOUND (BND. FND.)
- DRILL HOLE FOUND (D.H.F.)
- PIPE/ROD FOUND
- UTILITY POLE
- UTILITY POLE & GUY WIRE
- SUPPLY WELL
- VENT PIPE
- SIGN
- DECIDUOUS TREE
- TEST PIT LOCATION
- BOUND FOUND
- CATCH BASIN
- CONCRETE
- CONDUIT
- DOUBLE YELLOW LINE
- EDGE OF GRAVEL
- EDGE OF PAVEMENT
- GRANITE
- HDPPE
- HIGH DENSITY POLYETHYLENE PIPE
- IRON PIPE FOUND
- RETAINING WALL
- STEEL STAKE FOUND
- TYPICAL



SCALE: 1 INCH = 200 FT.



PURSUANT TO RSA 676:18, III:

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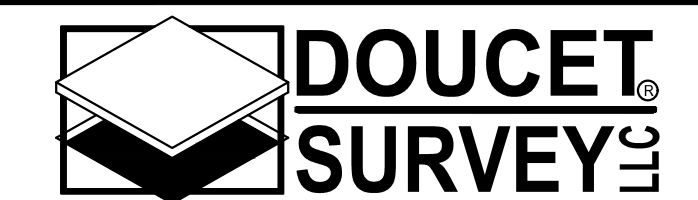
John Kaiser L.L.S. #937
1/17/23 DATE

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EXISTING CONDITIONS PLAN
FOR
GUPTILL PROPERTIES
OF
TAX MAP 239 LOT 35
MALLEGO ROAD
BARRINGTON, NEW HAMPSHIRE

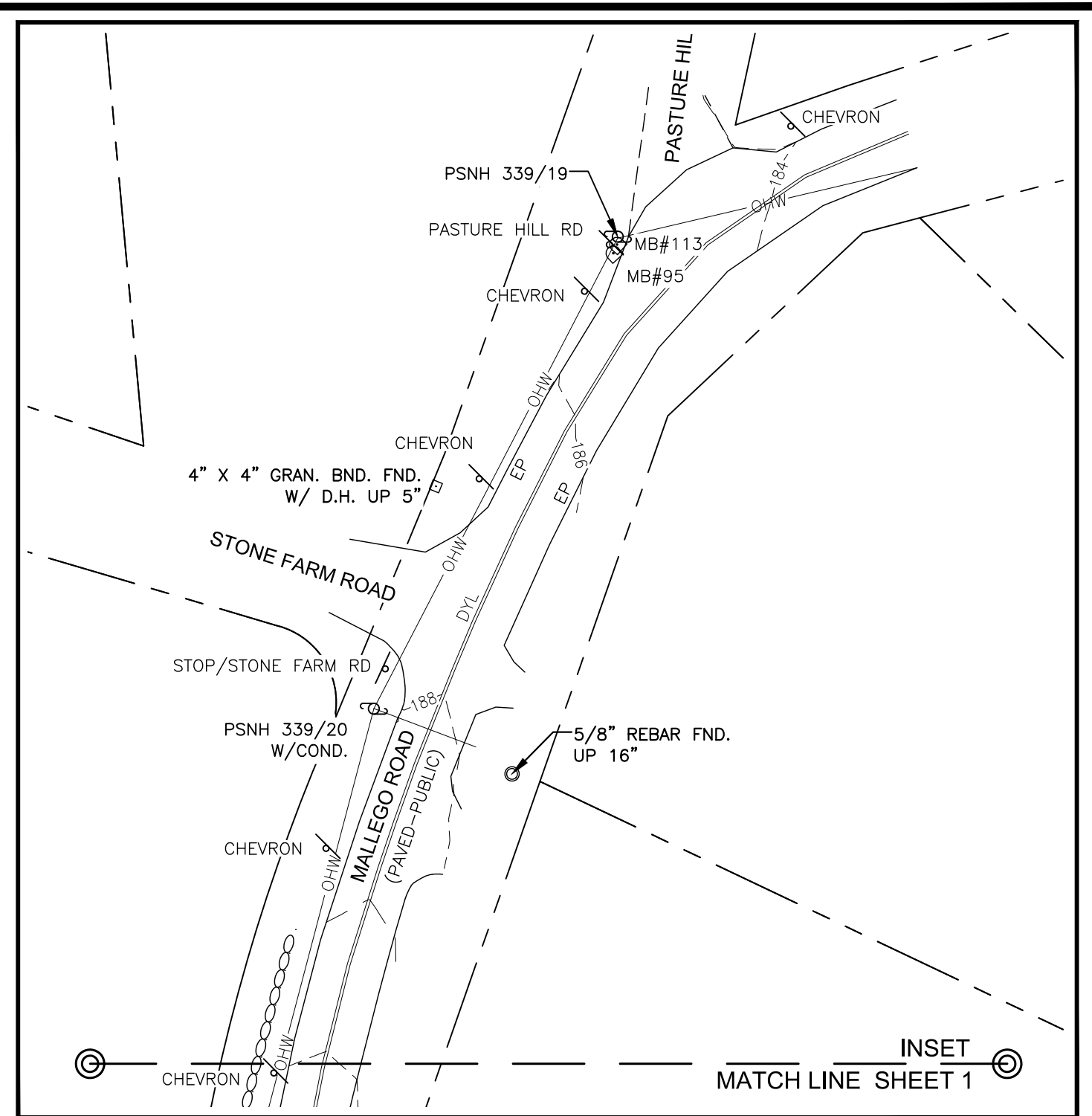
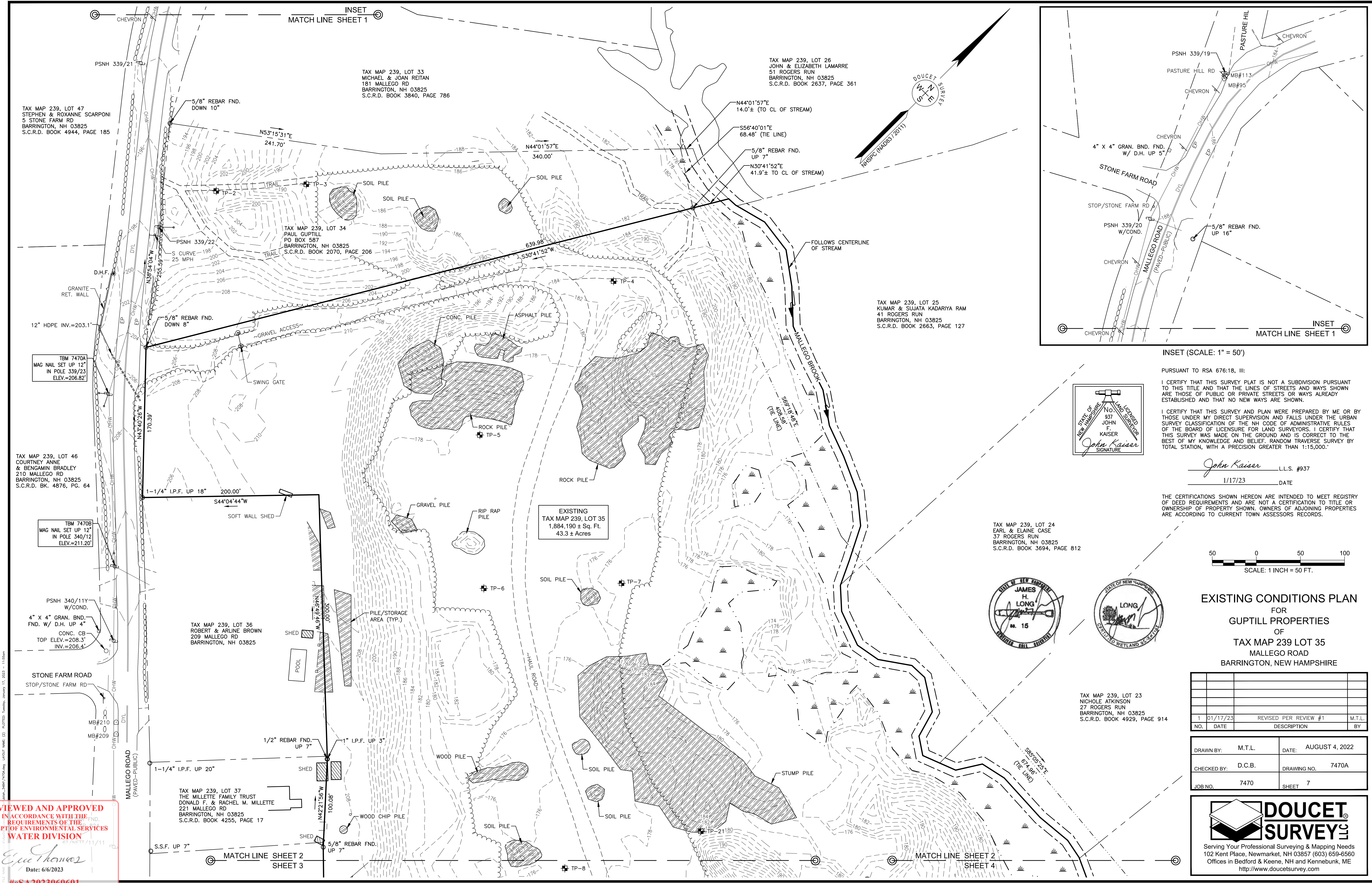
NO.	DATE	REVISION PER REVIEW #1	DESCRIPTION	M.T.L.	BY
1	01/17/23				

DRAWN BY:	M.T.L.	DATE:	AUGUST 4, 2022
CHECKED BY:	D.C.B.	DRAWING NO.:	7470A
JOB NO.:	7470	SHEET:	6



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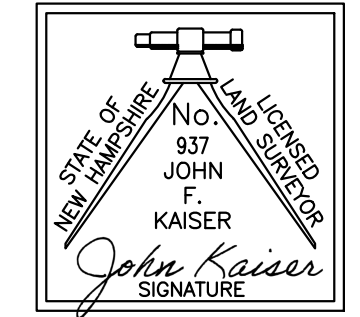
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NH DEPT. OF ENVIRONMENTAL SERVICES
WATER DIVISION
Date: 6/6/2023
#eSA2023060601



INSET (SCALE: 1" = 50')

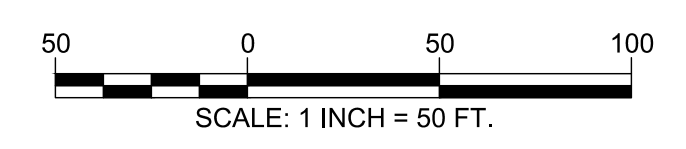
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John Kaiser L.L.S. #937
1/17/23 DATE

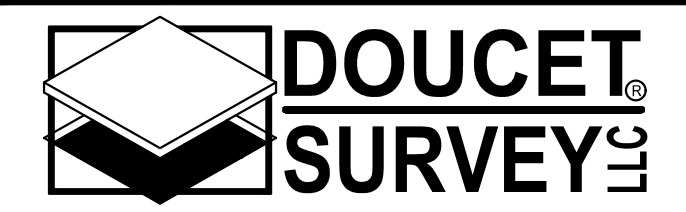
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EXISTING CONDITIONS PLAN
FOR
GUPTILL PROPERTIES
OF
TAX MAP 239 LOT 35
MALLEGO ROAD
BARRINGTON, NEW HAMPSHIRE

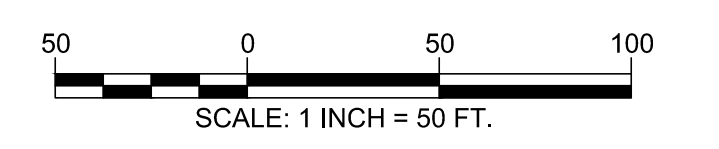
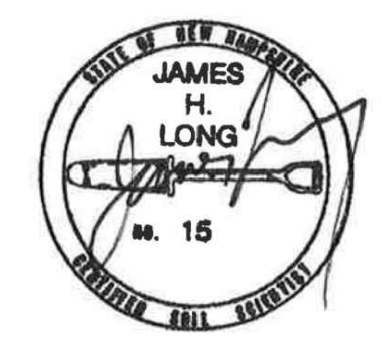
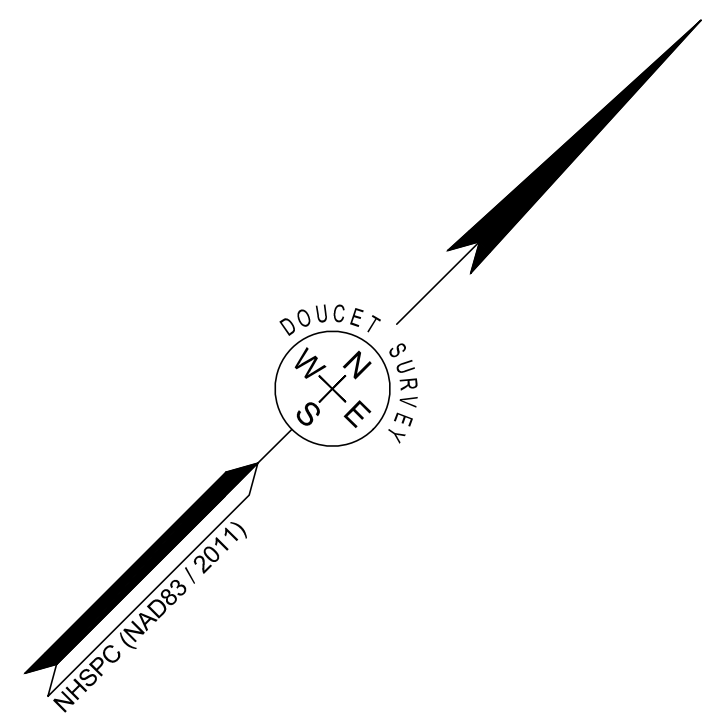
NO.	DATE	REVISIONS	DESCRIPTION	M.T.L.	BY
1	01/17/23	REVISED PER REVIEW #1			

DRAWN BY:	M.T.L.	DATE:	AUGUST 4, 2022
CHECKED BY:	D.C.B.	DRAWING NO.:	7470A
JOB NO.:	7470	SHEET:	7



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WATER DIVISION
Eric Thomas
Date: 6/6/2023
#eSA202306001



EXISTING CONDITIONS PLAN
 FOR
 GUPTILL PROPERTIES
 OF
 TAX MAP 239 LOT 35
 MALLEGO ROAD
 BARRINGTON, NEW HAMPSHIRE

NO.	DATE	DESCRIPTION	BY

DRAWN BY:	M.T.L.	DATE:	AUGUST 4, 2022
CHECKED BY:	D.C.B.	DRAWING NO.	7470A
JOB NO.	7470	SHEET	8

STATE OF NEW HAMPSHIRE
 LAND SURVEYOR
 NO. 937
 JOHN F. KAISER
 JOHN KAISER
 SIGNATURE

PURSUANT TO RSA 676:18, III:

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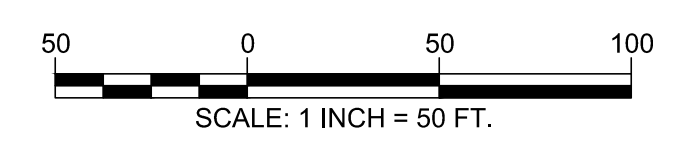
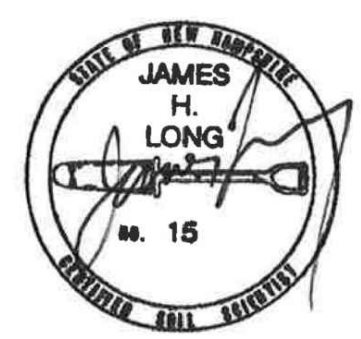
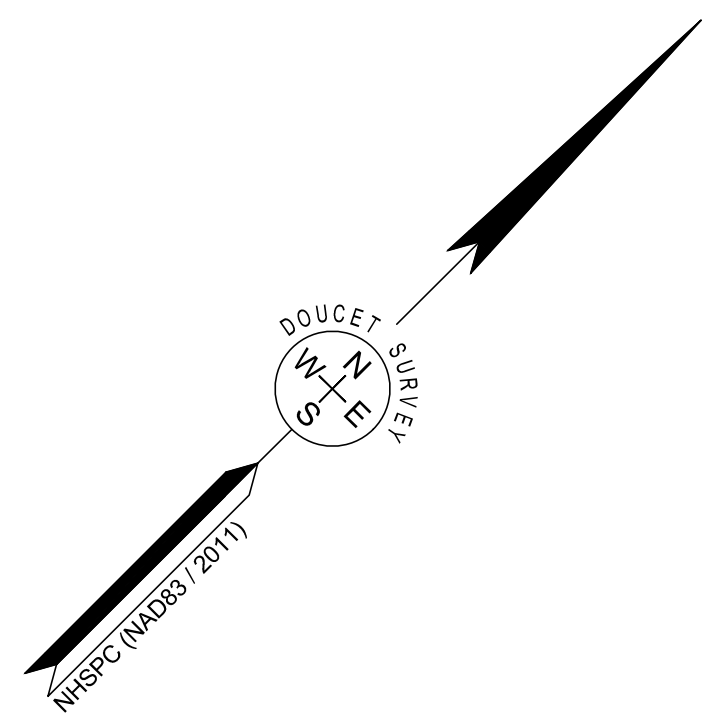
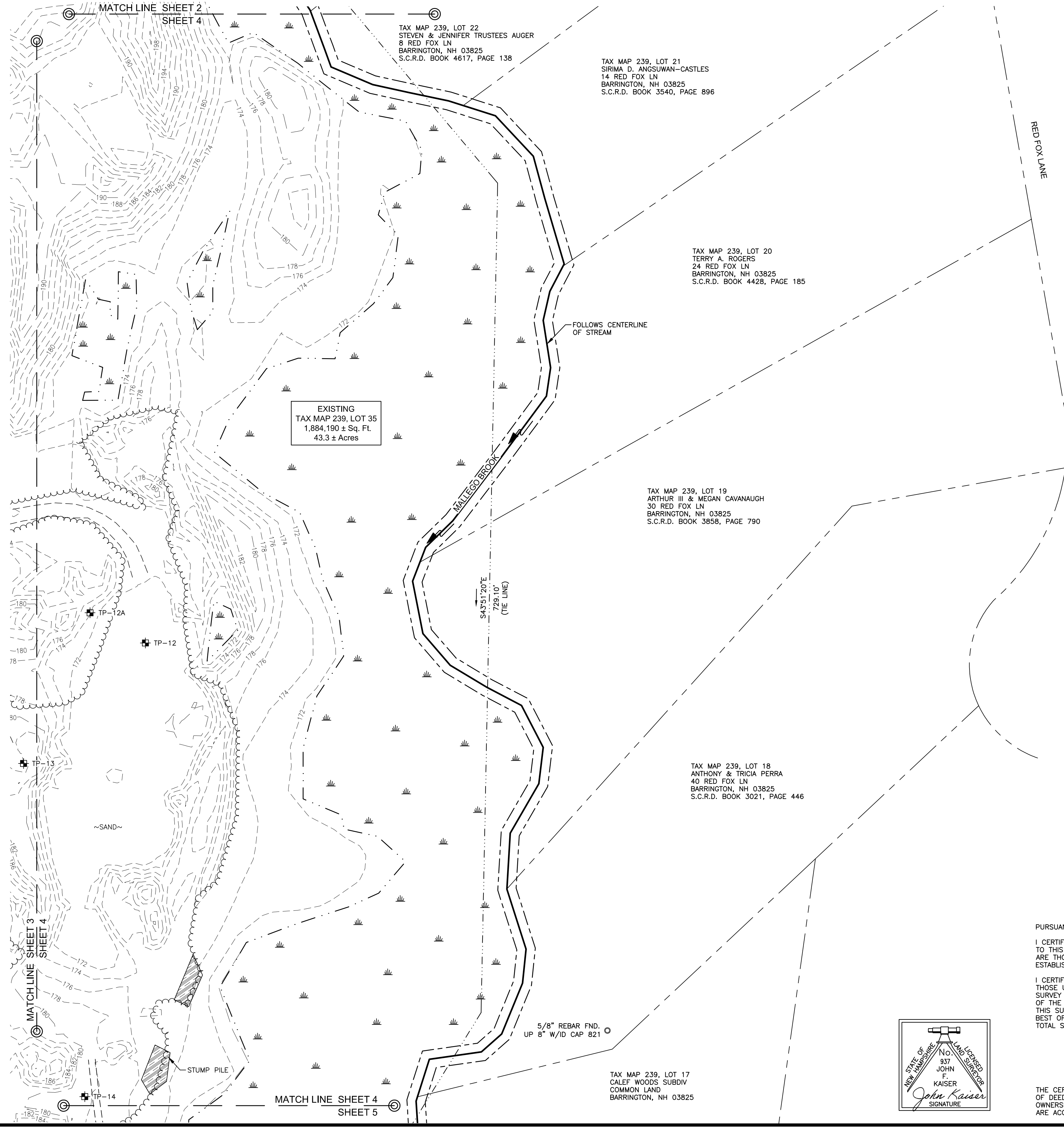
John Kaiser L.L.S. #937
 1/17/23 DATE

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**EXISTING CONDITIONS PLAN
FOR
GUPTILL PROPERTIES
OF
TAX MAP 239 LOT 35
MALLEGO ROAD
BARRINGTON, NEW HAMPSHIRE**

NO.	DATE	DESCRIPTION	BY

DRAWN BY:	M.T.L.	DATE:	AUGUST 4, 2022
CHECKED BY:	D.C.B.	DRAWING NO.	7470A
JOB NO.	7470	SHEET	9

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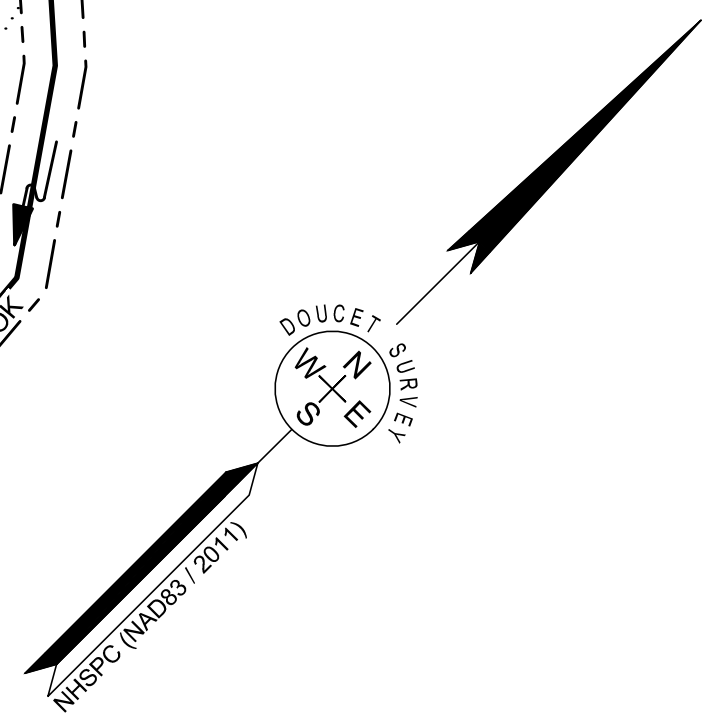
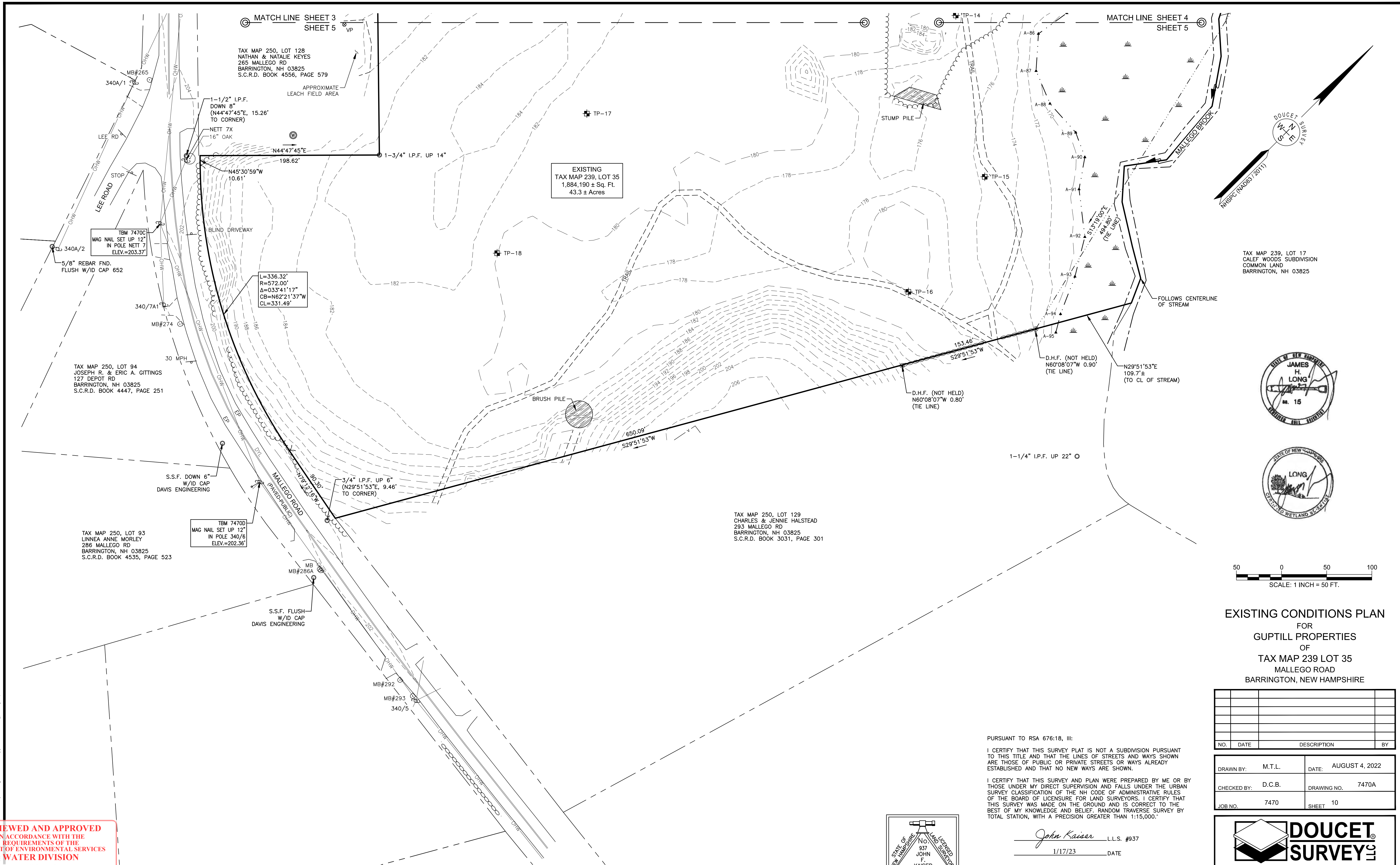
NEW STATE OF NEW HAMPSHIRE
LAND SURVEYORS
NO. 937
JOHN F. KAISER
SIGNATURE
John Kaiser

John Kaiser L.L.S. #937
1/17/23 DATE

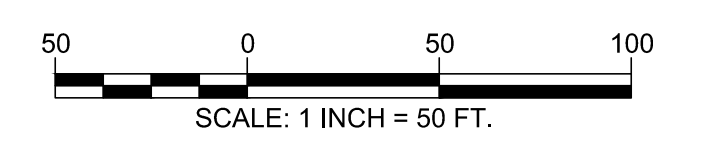
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WATER DIVISION**

Eric Thomas
Date: 6/6/2023
#eSA202306001



TAX MAP 239, LOT 17
CALEF WOODS SUBDIVISION
COMMON LAND
BARRINGTON, NH 03825



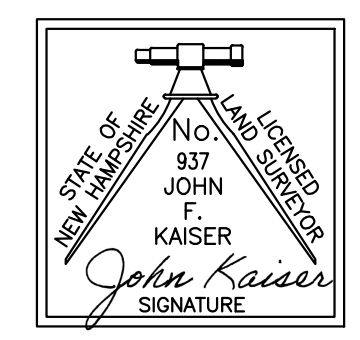
EXISTING CONDITIONS PLAN
FOR
GUPTILL PROPERTIES
OF
TAX MAP 239 LOT 35
MALLEGO ROAD
BARRINGTON, NEW HAMPSHIRE

NO.	DATE	DESCRIPTION	BY

DRAWN BY:	M.T.L.	DATE:	AUGUST 4, 2022
CHECKED BY:	D.C.B.	DRAWING NO.:	7470A
JOB NO.:	7470	SHEET:	10

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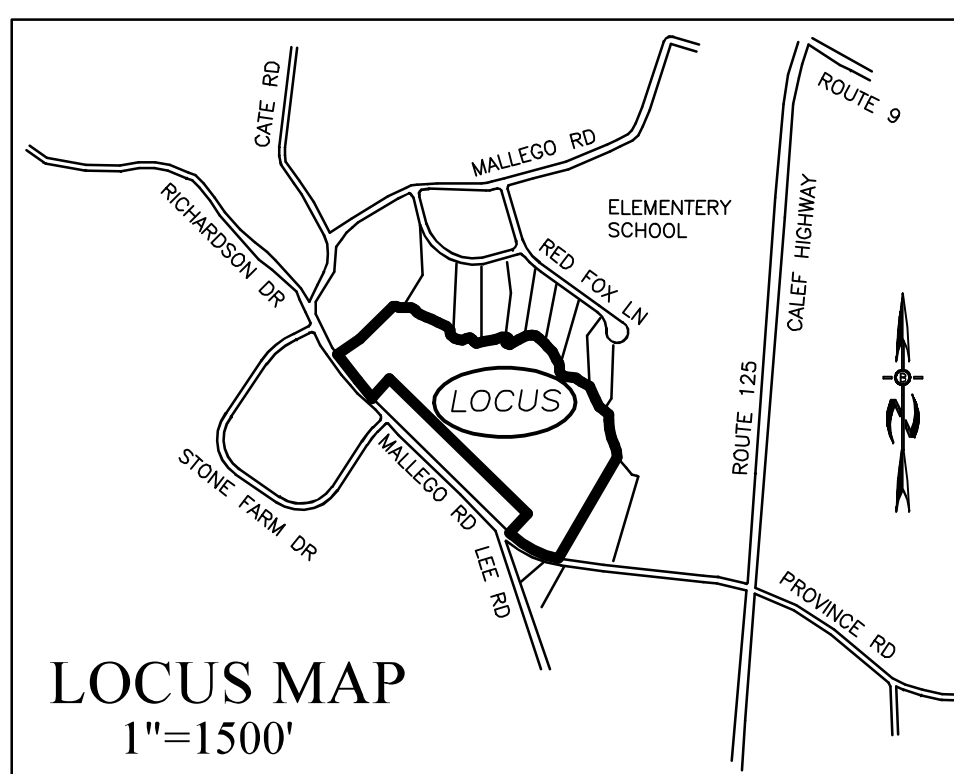
PURSUANT TO RSA 676:18, III:
I CERTIFY THAT THIS SURVEY PLAT IS NOT A SUBDIVISION PURSUANT TO THIS TITLE AND THAT THE LINES OF STREETS AND WAYS SHOWN ARE THOSE OF PUBLIC OR PRIVATE STREETS OR WAYS ALREADY ESTABLISHED AND THAT NO NEW WAYS ARE SHOWN.
I CERTIFY THAT THIS SURVEY AND PLAN WERE PREPARED BY ME OR BY THOSE UNDER MY DIRECT SUPERVISION AND FALLS UNDER THE URBAN SURVEY CLASSIFICATION OF THE NH CODE OF ADMINISTRATIVE RULES OF THE BOARD OF LICENSURE FOR LAND SURVEYORS. I CERTIFY THAT THIS SURVEY WAS MADE ON THE GROUND AND IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. RANDOM TRAVERSE SURVEY BY TOTAL STATION, WITH A PRECISION GREATER THAN 1:15,000."



John Kaiser L.L.S. #937
1/17/23 DATE

THE CERTIFICATIONS SHOWN HEREON ARE INTENDED TO MEET REGISTRY OF DEED REQUIREMENTS AND ARE NOT A CERTIFICATION TO TITLE OR OWNERSHIP OF PROPERTY SHOWN. OWNERS OF ADJOINING PROPERTIES ARE ACCORDING TO CURRENT TOWN ASSESSORS' RECORDS.

REVIEWED AND APPROVED
IN ACCORDANCE WITH THE
REQUIREMENTS OF THE
NH DEPT. OF ENVIRONMENTAL SERVICES
WATER DIVISION
Eric Thomas
Date: 6/6/2023
#eSA202306001



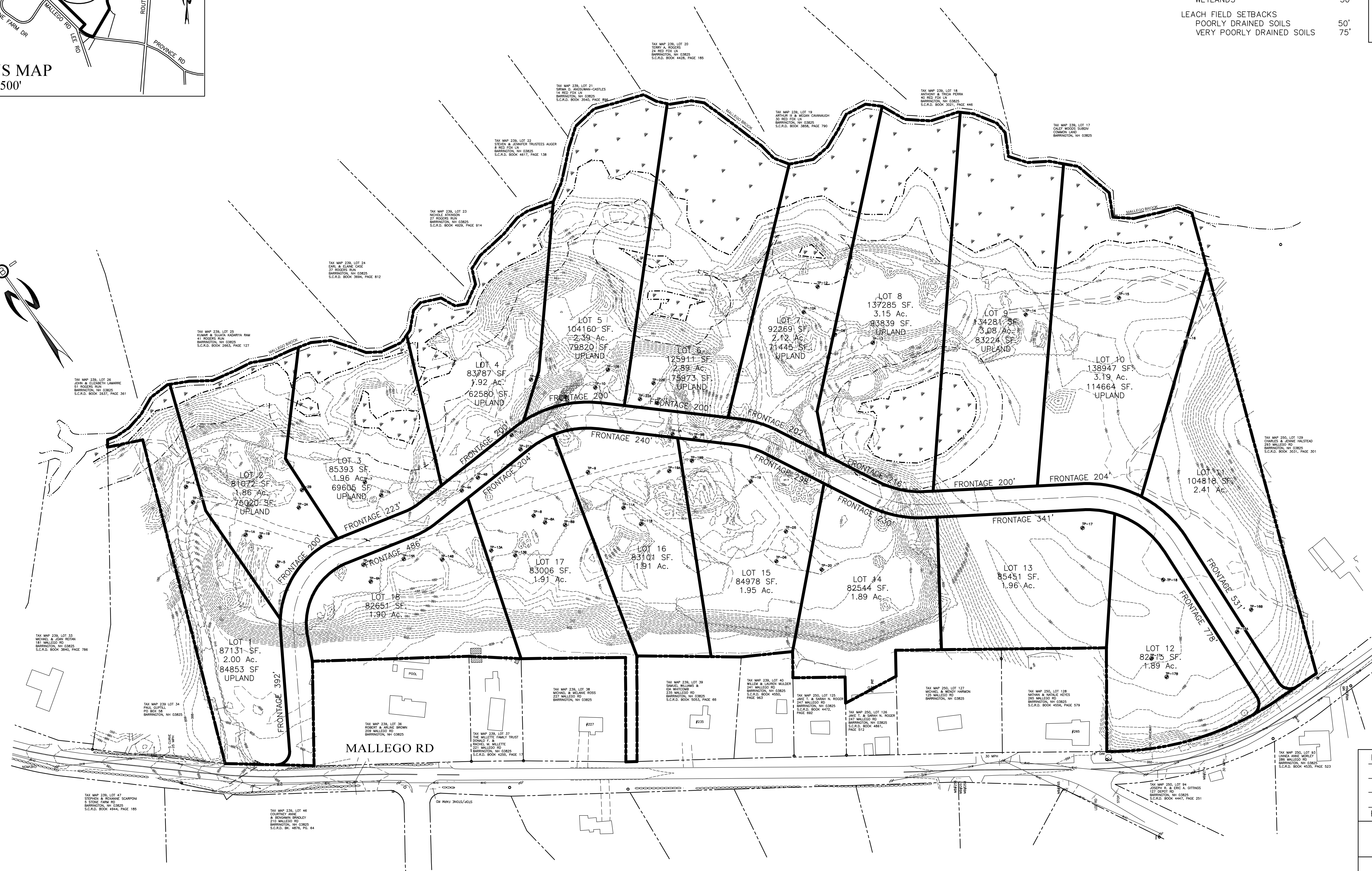
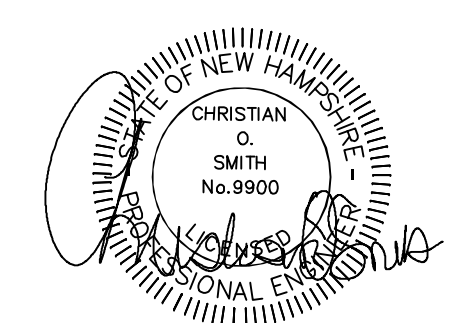
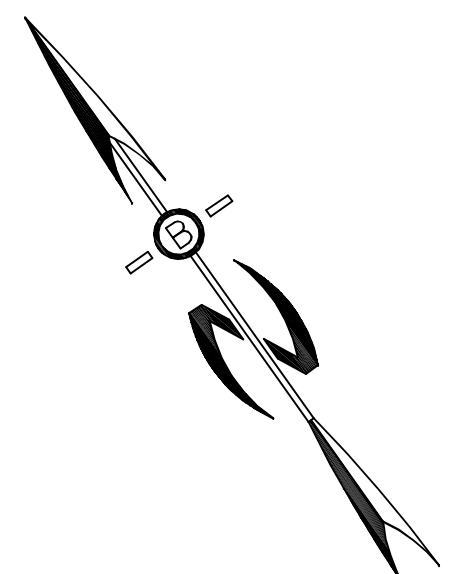
CONCEPTUAL DATA
 TOTAL AREA = 43.3 AC±
 18 SINGLE FAMILY LOTS
 LOT SIZES 80000 SF+
 2,550+/- LF OF ROADWAY

ZONING REQUIREMENTS
 ZONE: VILLAGE DISTRICT (VD)
 CONVENTIONAL SUBDIVISION
 MIN. LOT SIZE = 80,000 SF
 MIN. FRONTAGE = 200'
 MAX. HEIGHT = 35'
 BUILDING SETBACKS:
 FRONT 40'
 SIDE & REAR 30'
 WETLANDS 50'
 LEACH FIELD SETBACKS
 POORLY DRAINED SOILS 50'
 VERY POORLY DRAINED SOILS 75'

PREPARED FOR:
JOSEPH FALZONE
 7B EMERY LANE
 STRATHAM, N.H. 03885



70 PORTSMOUTH AVE,
 THIRD FLOOR, SUITE 2
 STRATHAM, N.H. 03885
 PHONE: 603-583-4860,
 FAX: 603-583-4863



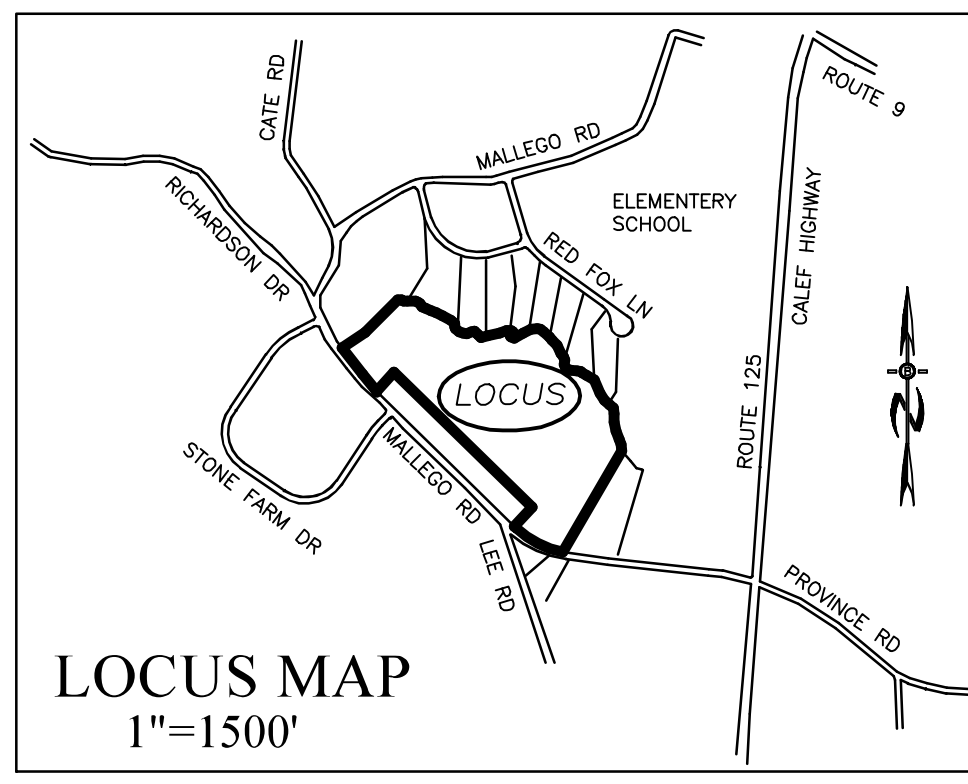
PLANNING BOARD APPROVAL BLOCK

REVISED PER PB COMMENTS	12-8-22
REVISIONS:	DATE:
YIELD SITE PLAN	
PLAN FOR: RESIDENTIAL DEVELOPMENT MALLEGO ROAD BARRINGTON, NH	
DATE: NOV 2022	SCALE: 1"=50'
PROJ. NO: NH-1443	SHT. NO. 11

REVIEWED AND APPROVED
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 WATER DIVISION

Eric Thomas
 Date: 6/6/2023
 #SA2023060601

THE INTENT OF THIS PLAN IS TO ESTABLISH RESIDENTIAL LOT DENSITY YIELD USING CALCULATIONS ACCORDING TO TOWN REGULATIONS AND NOT INTENDED FOR CONSTRUCTION.



TOWN NOTES
IF, DURING CONSTRUCTION, IT BECOMES APPARENT THAT DEFICIENCIES EXIST IN THE APPROVED DESIGN DRAWINGS, THE CONTRACTOR SHALL BE REQUIRED TO CORRECT THE DEFICIENCIES TO MEET THE REQUIREMENTS OF THE REGULATIONS AT NO EXPENSE TO THE TOWN.

REQUIRED EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO ANY DISTURBANCE OF THE SITE AND SHALL BE MAINTAINED THROUGH THE COMPLETION OF ALL CONSTRUCTION ACTIVITIES. IF, DURING CONSTRUCTION, IT BECOMES APPARENT THAT ADDITIONAL EROSION CONTROL MEASURES ARE REQUIRED TO STOP ANY EROSION ON THE CONSTRUCTION SITE DUE TO ACTUAL SITE CONDITIONS, THE OWNER SHALL BE REQUIRED TO INSTALL THE NECESSARY EROSION PROTECTION AT NO EXPENSE TO THE TOWN.

ALL MATERIALS AND METHODS OF CONSTRUCTION SHALL CONFORM TO TOWN OF BARRINGTON SUBDIVISION REGULATIONS AND THE LATEST EDITION OF THE NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD & BRIDGE CONSTRUCTION.

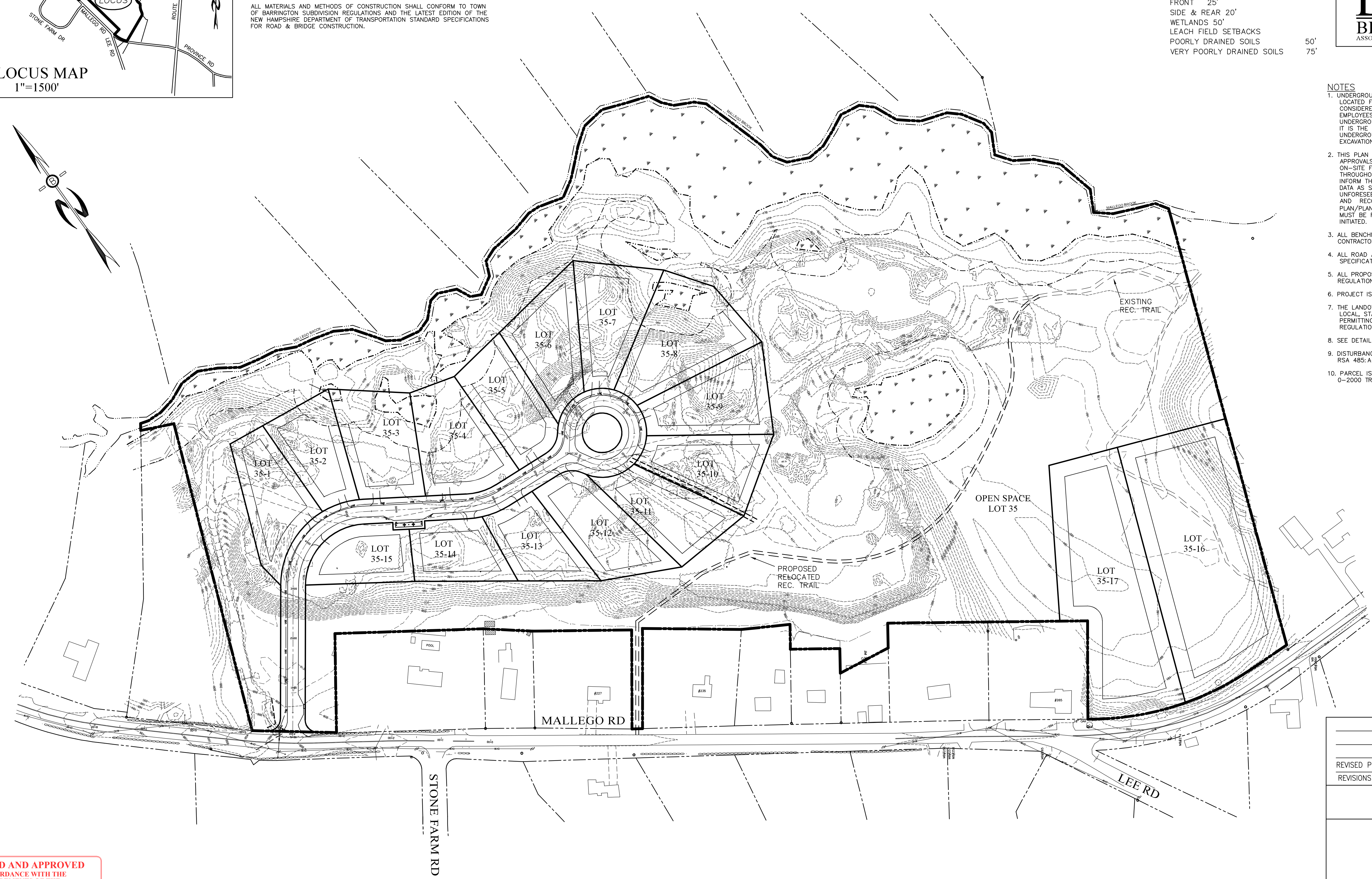
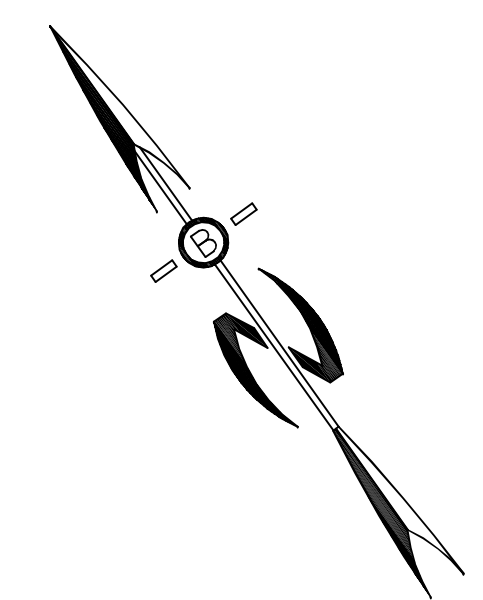
OPEN SPACE CALCS:
TOTAL RESIDENTIAL LOT AREA = 43.3 AC.
REQUIRED OPEN SPACE = 60% OR 25.9 AC.
OPEN SPACE PROVIDED = 26.7 AC. OR 61%
MIN. REQUIRED UPLAND AREA = 50% OR 12.9 AC.
UPLAND AREA PROVIDED = 21.1 AC.

ZONING REQUIREMENTS
ZONE: VILLAGE DISTRICT (VD)
CONSERVATION SUBDIVISION
MIN. PARENT PARCEL = 20.0 AC.
MIN. LOT SIZE = 20,000 SF
MIN. WIDTH = 75' @ FRONT SETBACK
MIN. PERIMETER BUFFER = 100'
MAX. HEIGHT = 35'

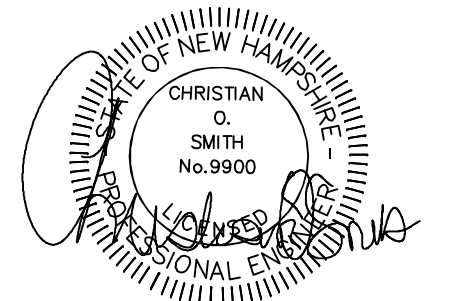
BUILDING SETBACKS:
FRONT 25'
SIDE & REAR 20'
WETLANDS 50'
LEACH FIELD SETBACKS
POORLY DRAINED SOILS 50'
VERY POORLY DRAINED SOILS 75'

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PHONE: 603-583-4860, FAX: 603-583-4863



- NOTES**
- UNDERGROUND FACILITIES, UTILITIES AND STRUCTURES HAVE BEEN LOCATED FROM FIELD OBSERVATIONS AND THEIR LOCATIONS MUST BE CONSIDERED APPROXIMATE ONLY. BEALS ASSOCIATES OR ANY OF THEIR EMPLOYEES TAKE NO RESPONSIBILITY FOR THE LOCATION OF ANY UNDERGROUND STRUCTURES OR UTILITIES NOT SHOWN, THAT MAY EXIST. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO HAVE ALL UNDERGROUND UTILITIES OR STRUCTURES LOCATED PRIOR TO EXCAVATION WORK, BY CALLING 1-888-DIG-SAFE.
 - THIS PLAN HAS BEEN PREPARED FOR MUNICIPAL AND STATE APPROVALS AND FOR CONSTRUCTION BASED ON DATA OBTAINED FROM ON-SITE FIELD SURVEY AND EXISTING MUNICIPAL RECORDS. THROUGHOUT THE CONSTRUCTION PROCESS, THE CONTRACTOR SHALL INFORM THE ENGINEER IMMEDIATELY OF ANY FIELD DISCREPANCY FROM DATA AS SHOWN ON THE DESIGN PLANS. THIS INCLUDES ANY UNFORESEEN CONDITIONS, SUBSURFACE OR OTHERWISE, FOR EVALUATION AND RECOMMENDATIONS. ANY CONTRADICTION BETWEEN ITEMS OF THIS PLAN/PLAN SET, OR BETWEEN THE PLANS AND ON-SITE CONDITIONS MUST BE RESOLVED BEFORE RELATED CONSTRUCTION HAS BEEN INITIATED.
 - ALL BENCHMARKS AND TOPOGRAPHY SHOULD BE FIELD VERIFIED BY THE CONTRACTOR.
 - ALL ROAD AND DRAINAGE WORK TO CONFORM TO TOWN STANDARD SPECIFICATIONS FOR CONSTRUCTION.
 - ALL PROPOSED SIGNS SHALL CONFORM TO THE TOWN ZONING REGULATIONS.
 - PROJECT IS BASED ON USGS DATUM NAVD 1988. GPS OBSERVATIONS
 - THE LANDOWNER IS RESPONSIBLE FOR COMPLYING WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL WETLAND REGULATIONS, INCLUDING ANY PERMITTING AND SETBACK REQUIREMENTS REQUIRED UNDER THESE REGULATIONS.
 - SEE DETAIL SHEET FOR STANDARD CONSTRUCTION NOTES AND DETAILS.
 - DISTURBANCE IS OVER 100,000 SQ. FT. ALTERATION OF TERRAIN PERMIT RSA 485-A-17 IS REQUIRED.
 - PARCEL IS WITHIN THE TOWN AQUIFER PROTECTION OVERLAY ZONE 0-2000 TRANSMISSIVITY.

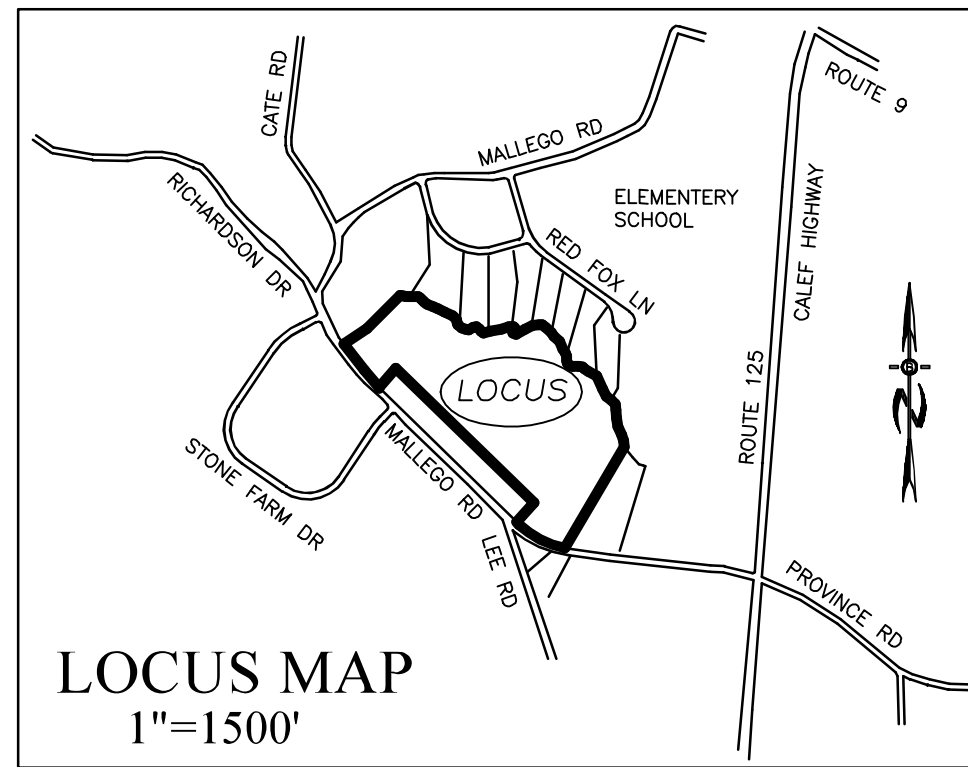


PLANNING BOARD APPROVAL BLOCK

REVISED PER REVIEW COMMENTS	1-17-23
REVISIONS:	DATE:
OVERALL SITE PLAN	
PLAN FOR: RESIDENTIAL DEVELOPMENT MALLEGO ROAD BARRINGTON, NH	
DATE: NOV 2022	SCALE: 1"=100'
PROJ. NO: NH-1443	SHT. NO. 12

REVIEWED AND APPROVED
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WATER DIVISION

Eric Thomas
Date: 6/6/2023
#eSA2023060601



THE SOIL MAPPING OF THE SITE WAS CONDUCTED IN ACCORDANCE WITH THE STANDARDS SET FORTH IN THE SOCIETY OF SOIL SCIENTISTS OF NORTHERN NEW ENGLAND (SSSNE) PUBLICATION NO. 3 "SITE-SPECIFIC SOIL MAPPING STANDARDS FOR NEW HAMPSHIRE AND VERMONT, VERSION 7.0" DATED JULY 2021 BY NEW HAMPSHIRE CERTIFIED SOIL SCIENTIST (CSS) JAMES H. LONG (CSS #15). THE SITE-SPECIFIC SOIL MAPPING STANDARDS ARE BASED ON A UNIVERSALLY RECOGNIZED TAXONOMIC SYSTEM OF SOIL CLASSIFICATION AND ARE SUPPORTED BY NATIONAL SOIL MAPPING STANDARDS ESTABLISHED BY THE USDA NATIONAL COOPERATIVE SOIL SURVEY.

SOIL ID (SSSM)	SOIL TYPE	SOIL ID (HISS)	HYDROLOGIC SOIL GROUP
12	HINCKLEY, EXCESS. DRAINED, FINE SANDY LOAM	111	A
115	SCARBORO	681	D
118	SUDBURY, MODERATELY WELL DRAINED	311	B
199/HADE	DUMPS, BARK CHIPS, AND ORGANIC MATERIALS	766	NONE
300/ABAAA	UDIPSAMMENTS, NEARLY LEVEL	161	A
350/DBAAB	UDIPSAMMENTS, WET SUBSTRATUM	361	B
546	WALPOLE, SANDY	521	C
900/FBAAN	ENDOQUENTS, SANDY	561	C
118	SUDBURY, SOMEWHAT POORLY DRAINED	411	D

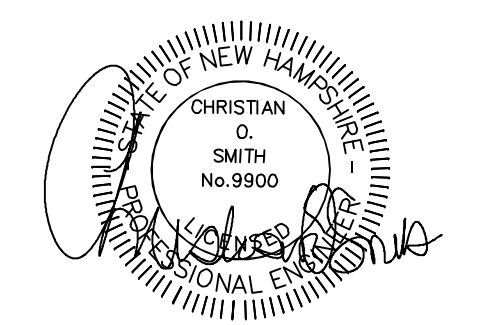
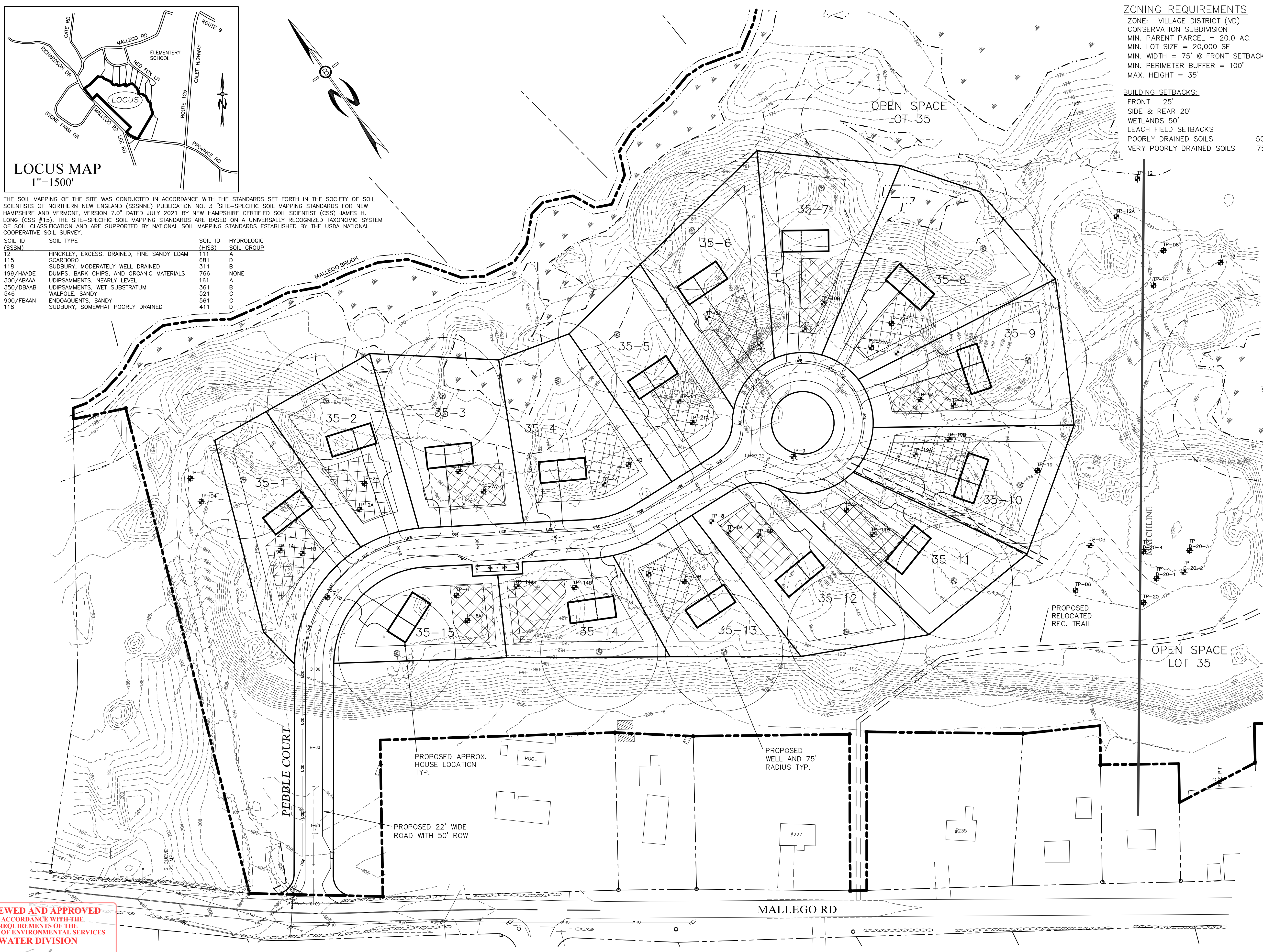
ZONING REQUIREMENTS
 ZONE: VILLAGE DISTRICT (VD)
 CONSERVATION SUBDIVISION
 MIN. PARENT PARCEL = 20.0 AC.
 MIN. LOT SIZE = 20,000 SF
 MIN. WIDTH = 75' @ FRONT SETBACK
 MIN. PERIMETER BUFFER = 100'
 MAX. HEIGHT = 35'

BUILDING SETBACKS:
 FRONT 25'
 SIDE & REAR 20'
 WETLANDS 50'
 LEACH FIELD SETBACKS
 POORLY DRAINED SOILS 50'
 VERY POORLY DRAINED SOILS 75'

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 FAX: 603-583-4863

NOTES
 1. SEE SHEET 12 FOR PLAN NOTES.



PLANNING BOARD APPROVAL BLOCK

REVISED PER NHDES COMMENTS	5-4-23
REVISED PER REVIEW COMMENTS	1-17-23
REVISIONS:	DATE:

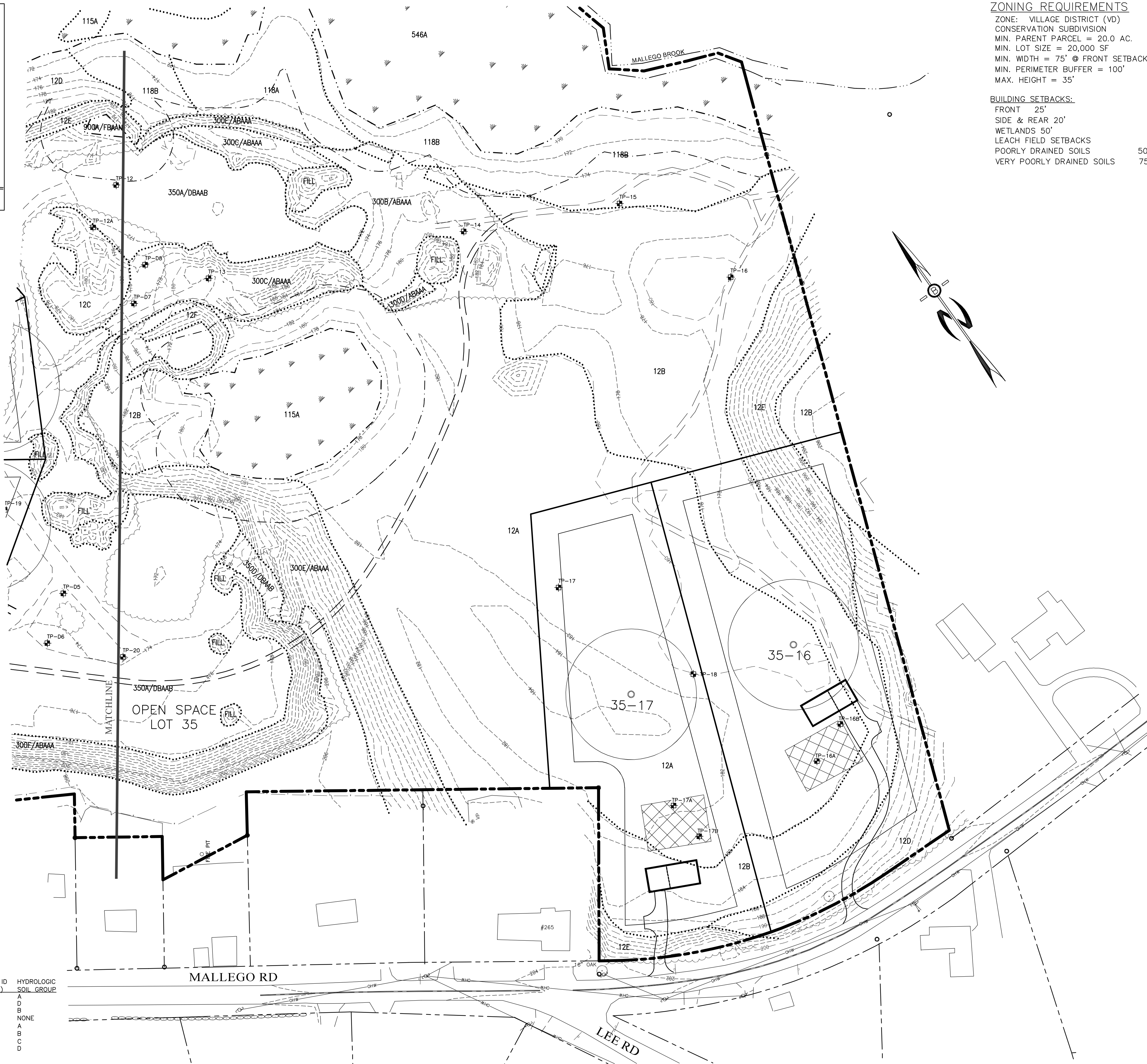
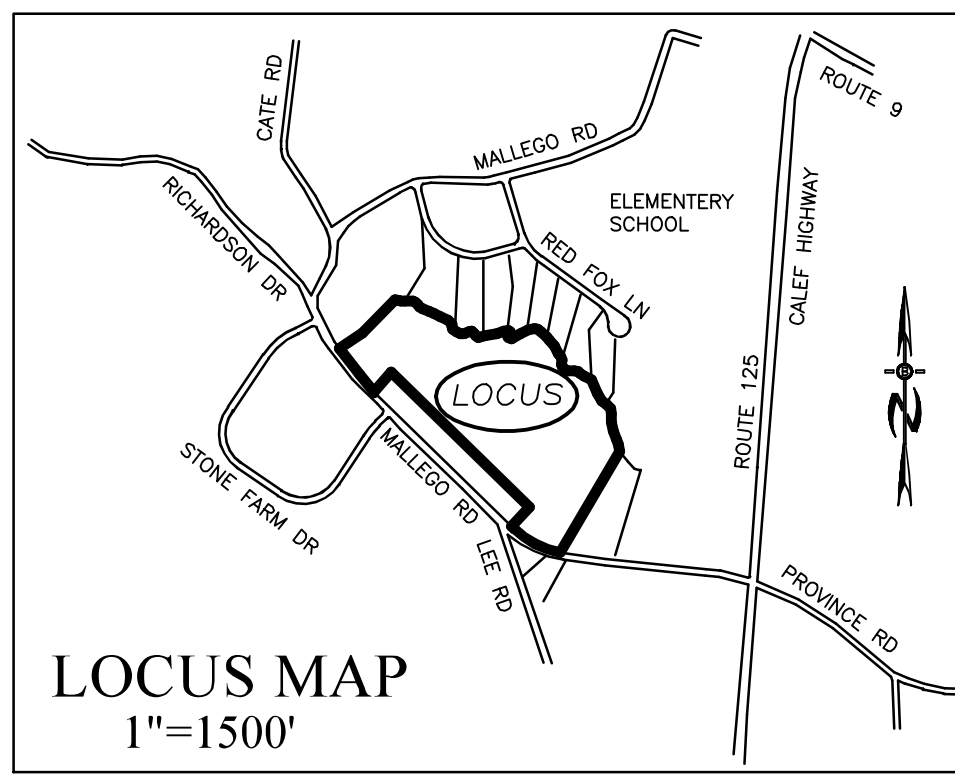
SITE PLAN

PLAN FOR:
 RESIDENTIAL DEVELOPMENT
 MALLEGRO ROAD
 BARRINGTON, NH

DATE:	NOV 2022	SCALE:	1" = 60'
PROJ. NO:	NH-1443	SHT. NO.	13

REVIEWED AND APPROVED
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Eric Thomas
 Date: 6/6/2023
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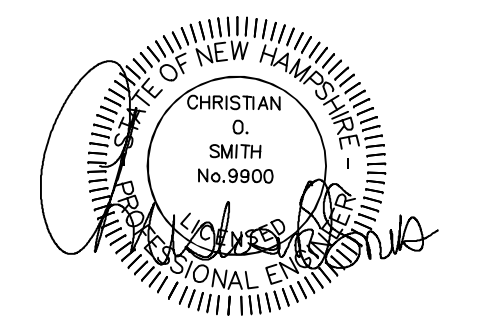
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NOTES
 1. SEE SHEET 12 FOR PLAN NOTES.



PLANNING BOARD APPROVAL BLOCK

REVISIONS:	DATE:

SITE PLAN	
PLAN FOR: RESIDENTIAL DEVELOPMENT MALLEGO ROAD BARRINGTON, NH	
DATE: NOV 2022	SCALE: 1" = 60'
PROJ. NO: NH-1443	SHT. NO. 14

SOIL ID (SSSM)	SOIL TYPE	SOIL ID (HISS)	HYDROLOGIC SOIL GROUP
12	HINCKLEY, EXCESS. DRAINED, FINE SANDY LOAM	111	A
115	SCARBORO, MODERATELY WELL DRAINED	681	D
	CHIPS, AND ORGANIC MATERIALS	311	B
	IPSAMMENTS, NEARLY LEVEL	766	NONE
	IPSAMMENTS, WET SUBSTRATUM	161	A
	UNITS, SANDY	361	B
	UNITS, SANDY	561	C
	UNITS, SOMEWHAT POORLY DRAINED	411	D

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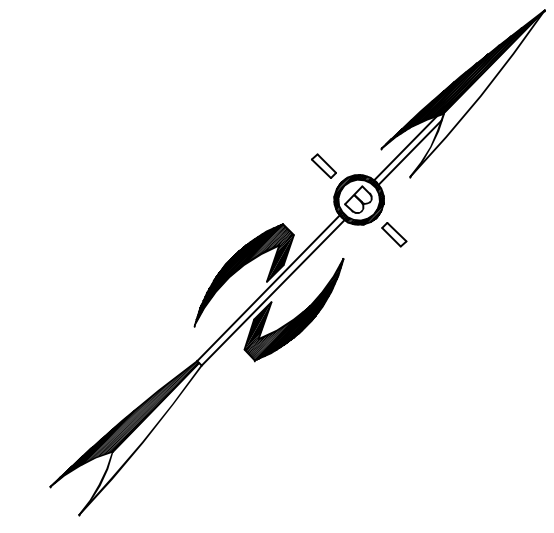
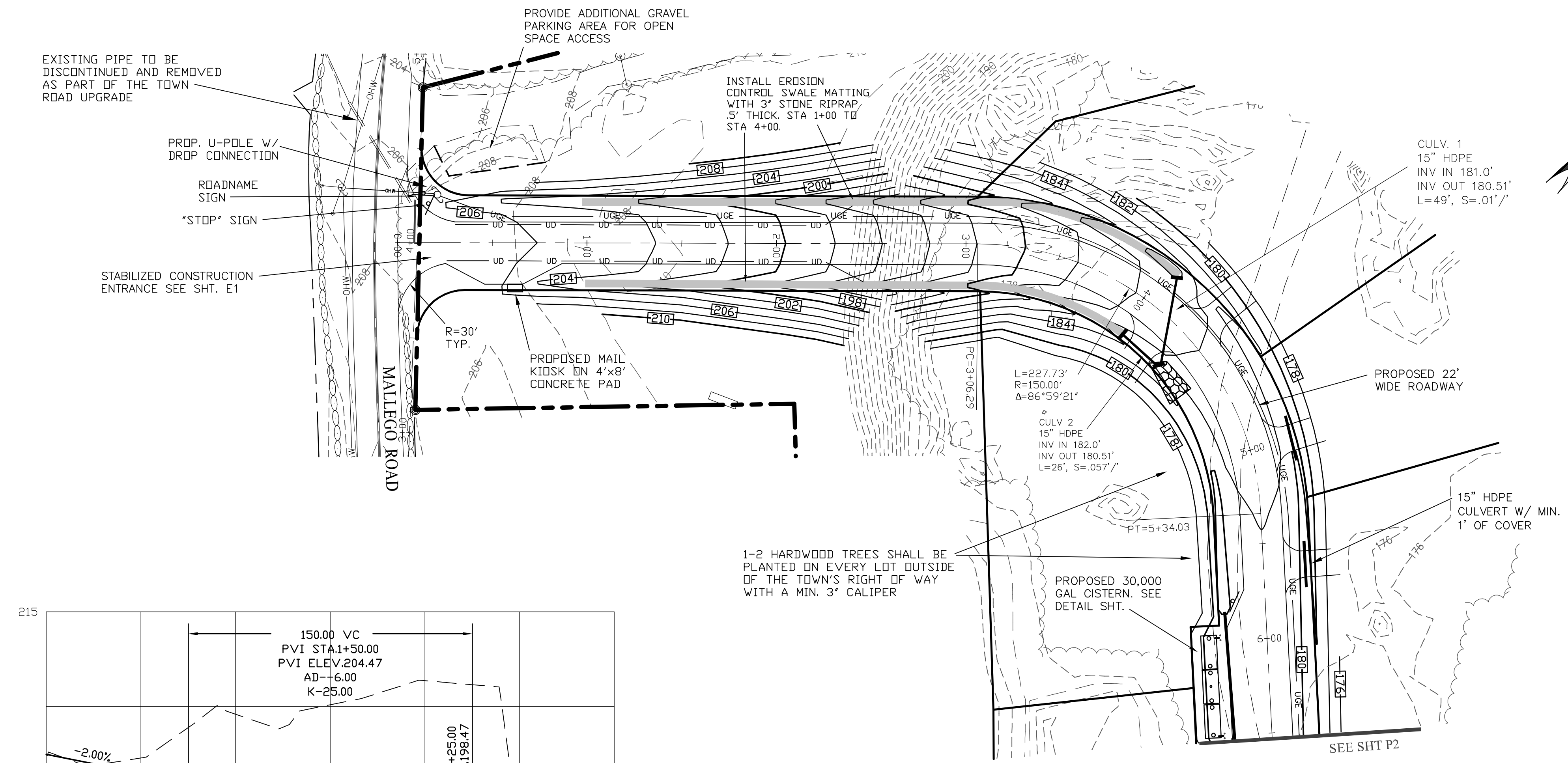
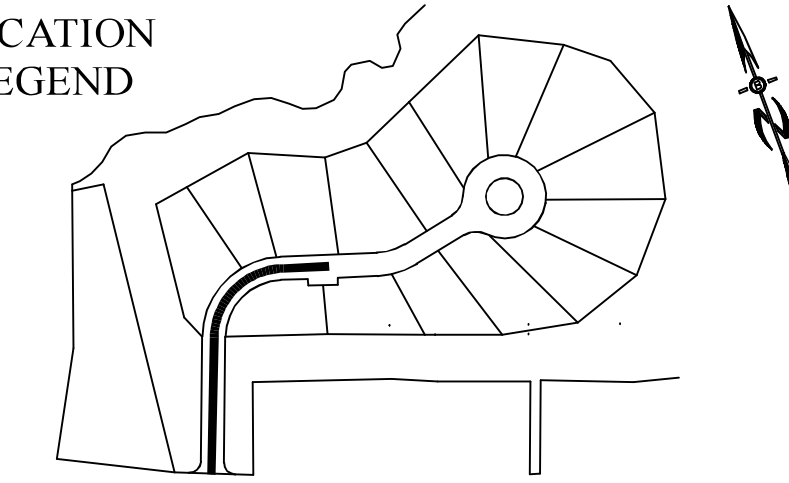
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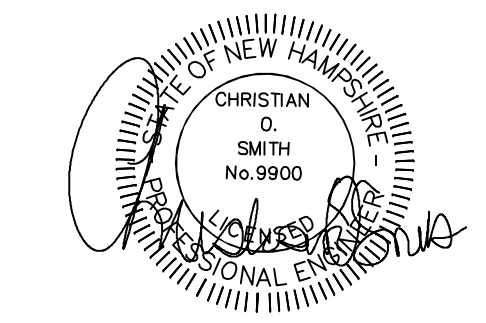
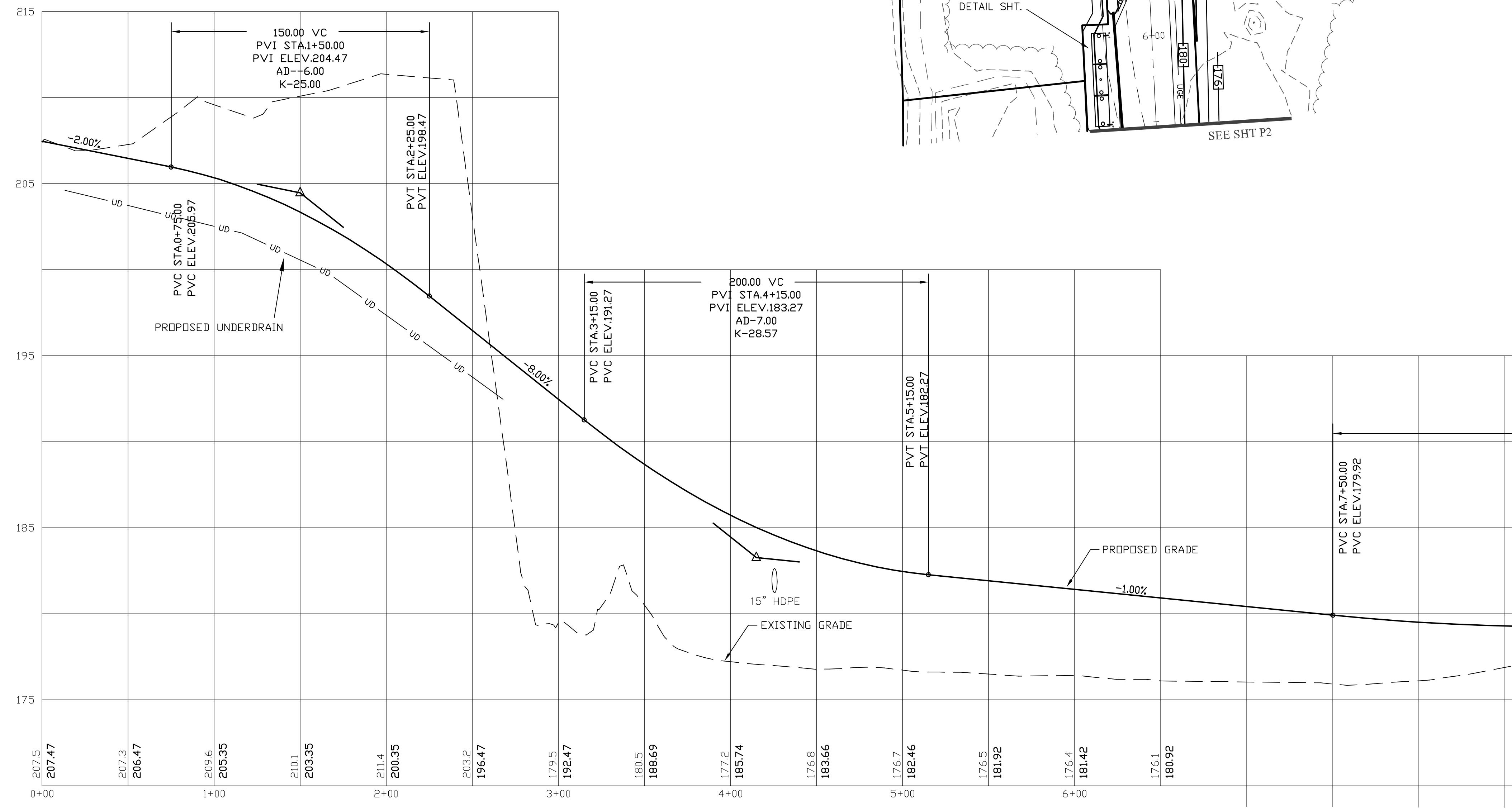
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LOCATION
 LEGEND



NOTES

- ALL ELECTRICAL, TELEPHONE, CABLE TELEVISION AND ALARM LINES TO BE UNDERGROUND. THE SIZE AND LOCATION IS TO BE DETERMINED BY APPROPRIATE UTILITY COMPANY.
 - ALL BENCHMARKS AND TOPOGRAPHY SHOULD BE FIELD VERIFIED BY THE CONTRACTOR, ENGINEER TO BE NOTIFIED IMMEDIATELY OF ANY DISCREPANCY.
 - ALL CONSTRUCTION METHODS AND MATERIALS WILL CONFORM TO THE TOWN STANDARD SPECIFICATIONS AND TO N.H.D.T. STANDARDS AND REGULATIONS.
 - ALL DRAINAGE STRUCTURE AND SWALES WILL BE BUILT AND STABILIZED PRIOR TO HAVING RUN-OFF DIRECTED TO THEM.
 - SEE DETAIL SHEETS FOR STANDARD CONSTRUCTION NOTES AND DETAILS.
 - PROPOSED UNDER DRAINS TO BE INSTALLED AS SHOWN ON THE TYPICAL ROAD CROSS SECTION DETAIL AND TIE INTO DRAINAGE SWALES.
 - ADT BASED ON 9.44 X 15 = 141.6 FROM LATEST EDITION OF ITE MANUAL 10TH EDITION.
- INSPECTIONS:
 UPON NOTIFICATION OF APPLICANT, TOWN ENGINEER OR DESIGNEE SHALL PERFORM THE FOLLOWING INSPECTIONS WITHIN 48 HOURS.
- (a) CLEARED AND GRUBBED
 - (b) DRAINAGE
 - (c) SUBBASE CRUSHED STONE
 - (d) CRUSHED STONE BASE
 - (e) PAVEMENT INSTALLATION
 - (f) UTILITIES
 - (g) AS BUILT DRAWINGS
 - (h) FINAL INSPECTION



PROFILE SCALES:
 HORIZONTAL: 1"=40' VERTICAL: 1"=4'

REVISED PER REVIEW COMMENTS	1-17-23

PLAN & PROFILE - P1

PLAN FOR:
 RESIDENTIAL DEVELOPMENT
 MALLEGO ROAD
 BARRINGTON, NH

DATE:	NOV 2022	SCALE	1" = 40'
PROJ. NO:	NH-1443	SHEET NO.	15

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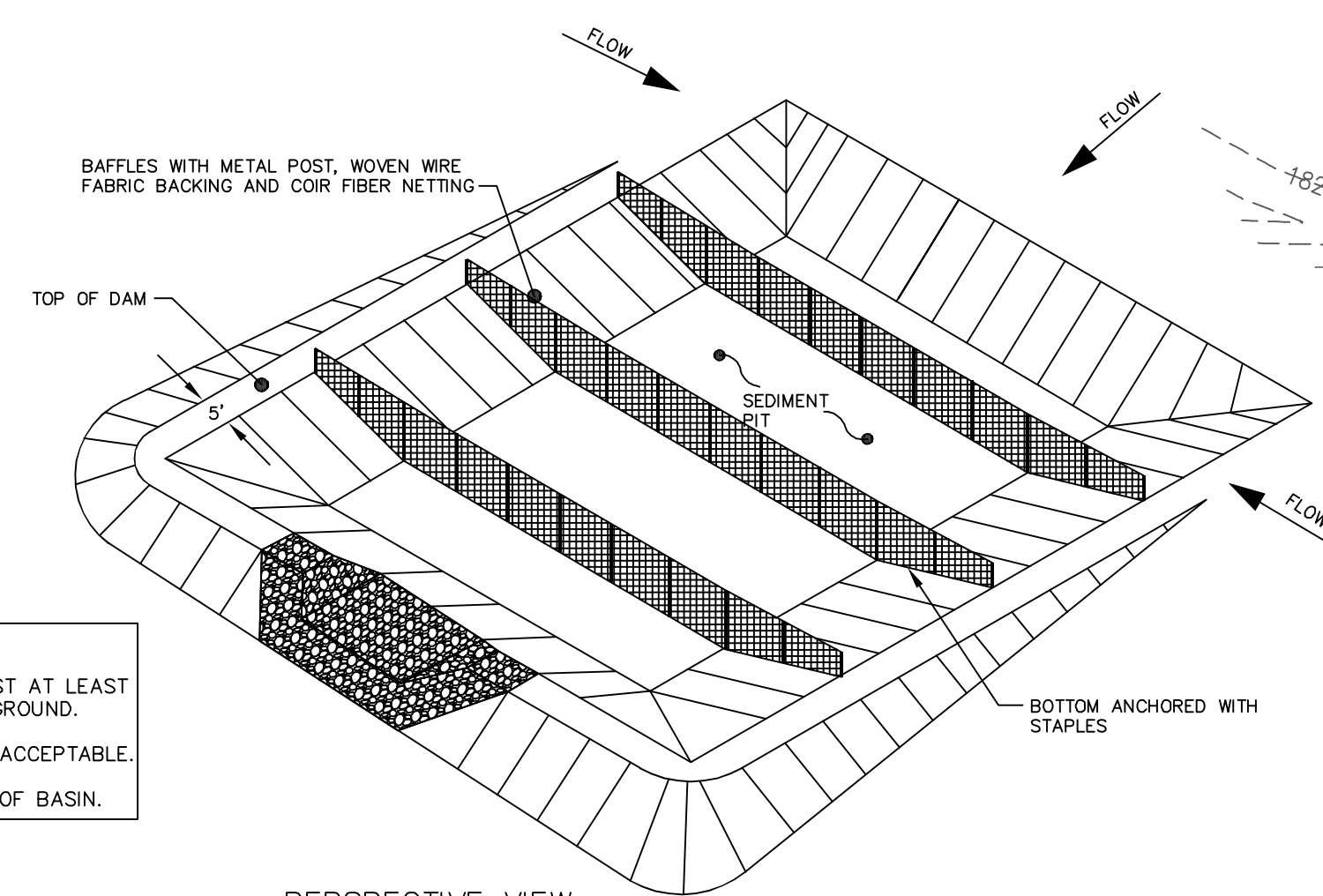
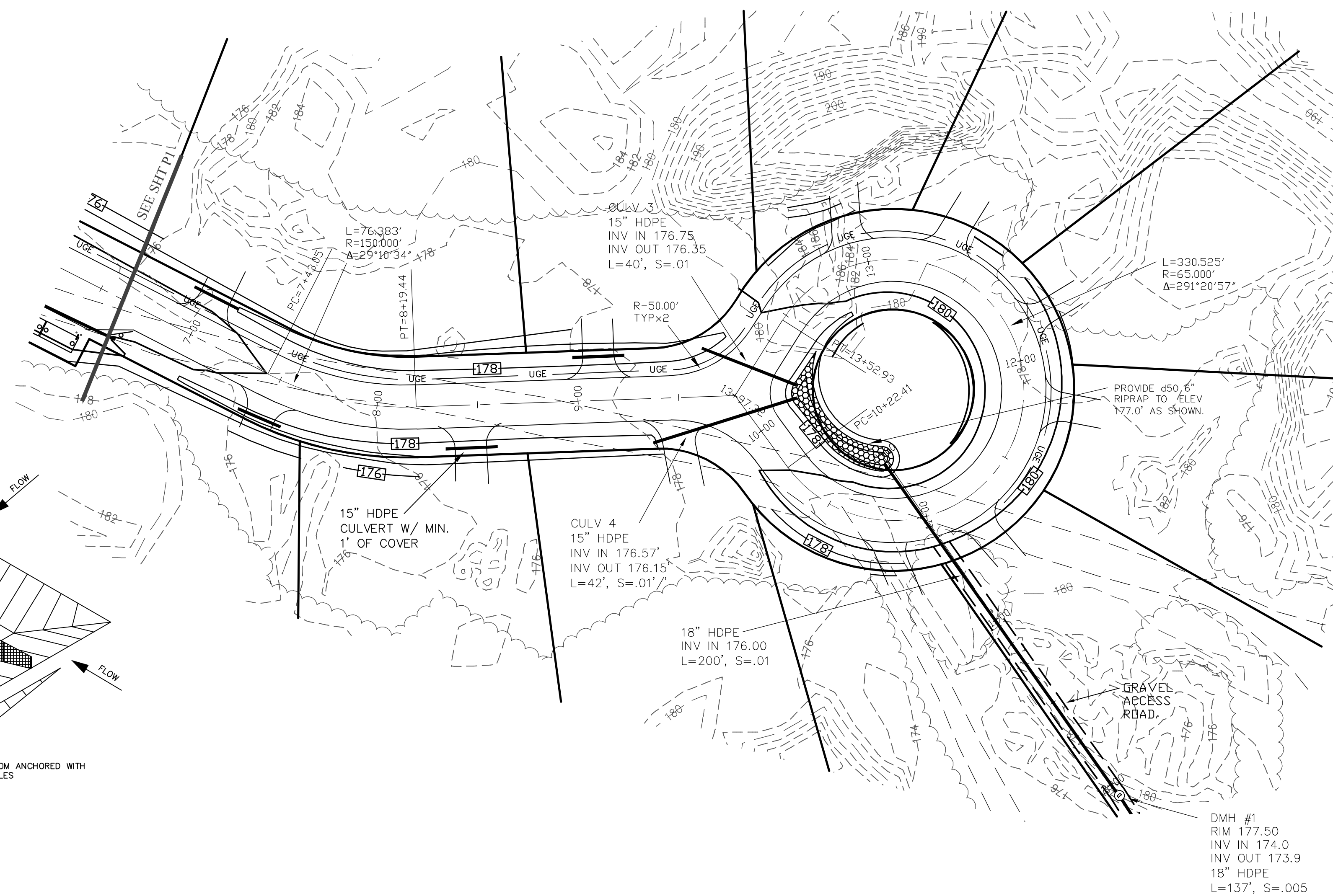
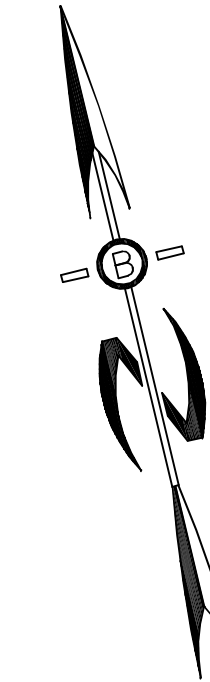
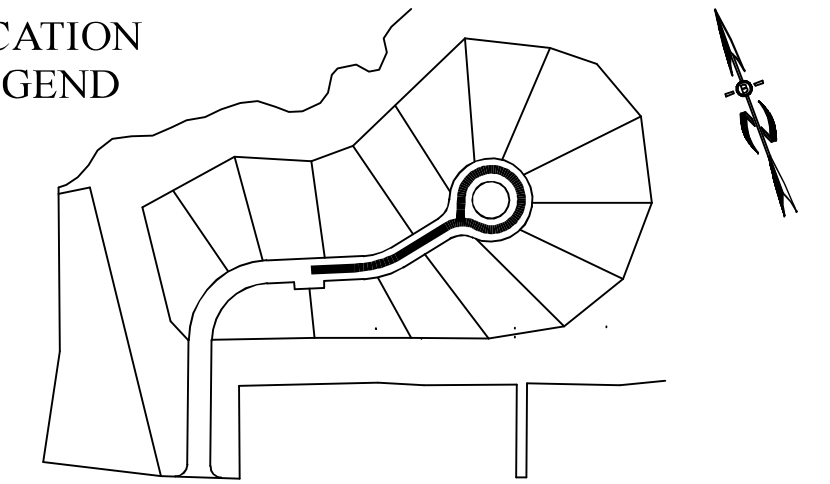
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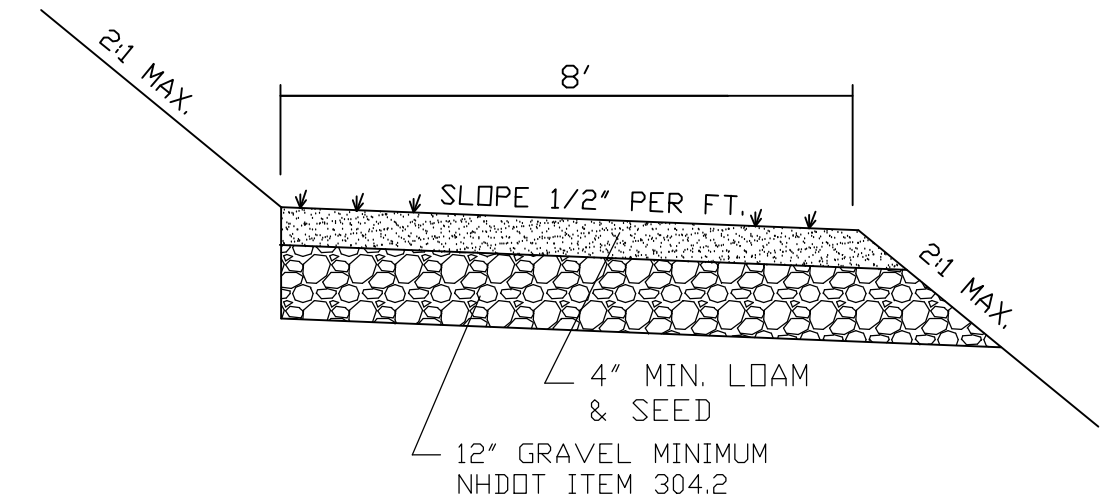
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LOCATION
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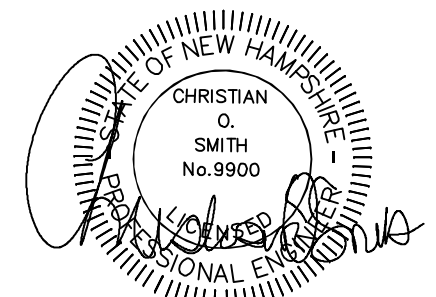
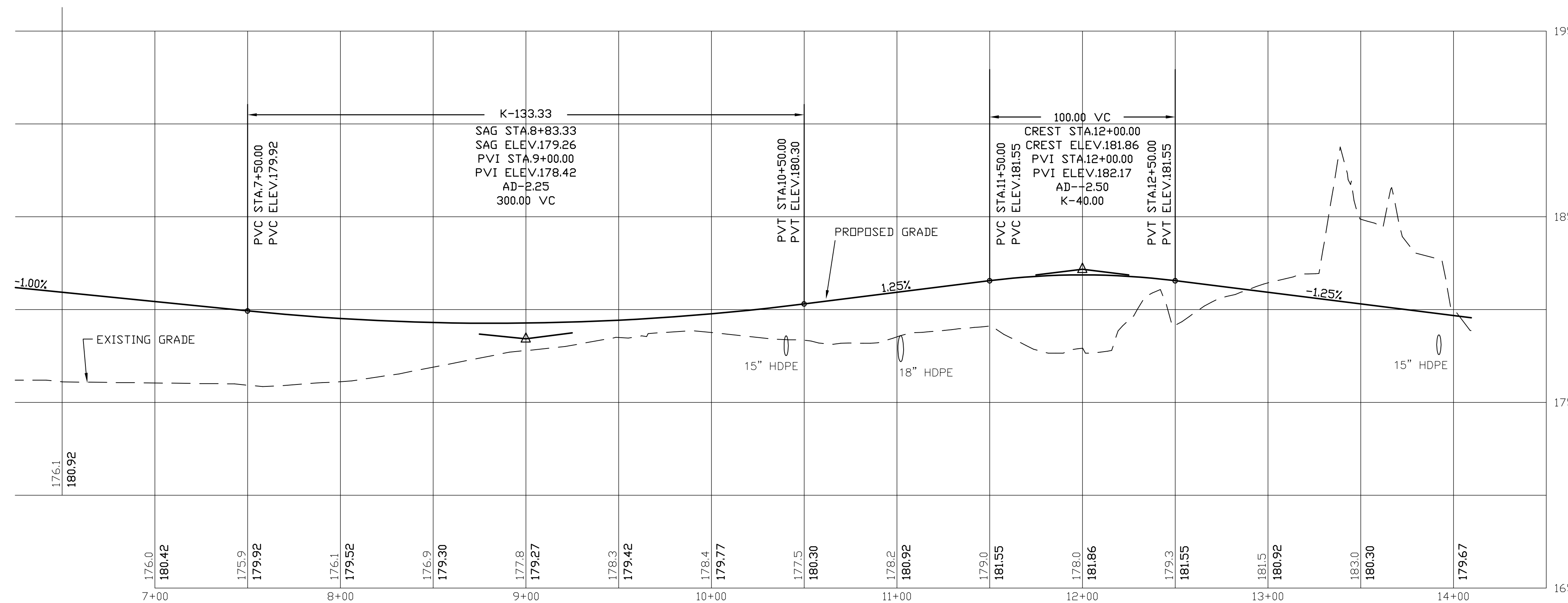


- NOTES:
1. DRIVE STEEL FENCE POST AT LEAST 18 INCHES INTO SOLID GROUND.
 2. WOOD POSTS ARE NOT ACCEPTABLE.
 3. DIRECT WATER TO TOP OF BASIN.

PERSPECTIVE VIEW
 TEMPORARY SEDIMENT BASIN



ACCESS ROAD CROSS SECTION



PROFILE SCALES:
 HORIZONTAL: 1"=40' VERTICAL: 1"=4'



REVISED PER REVIEW COMMENTS	1-17-23
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PLAN & PROFILE - P2

PLAN FOR:
 RESIDENTIAL DEVELOPMENT
 MALLEGO ROAD
 BARRINGTON, NH

DATE:	NOV 2022	SCALE	1" = 40'
PROJ. NO.:	NH-1443	SHEET NO.	16

REVIEWED AND APPROVED
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 WATER DIVISION

Eric Thomas
 Date: 6/6/2023

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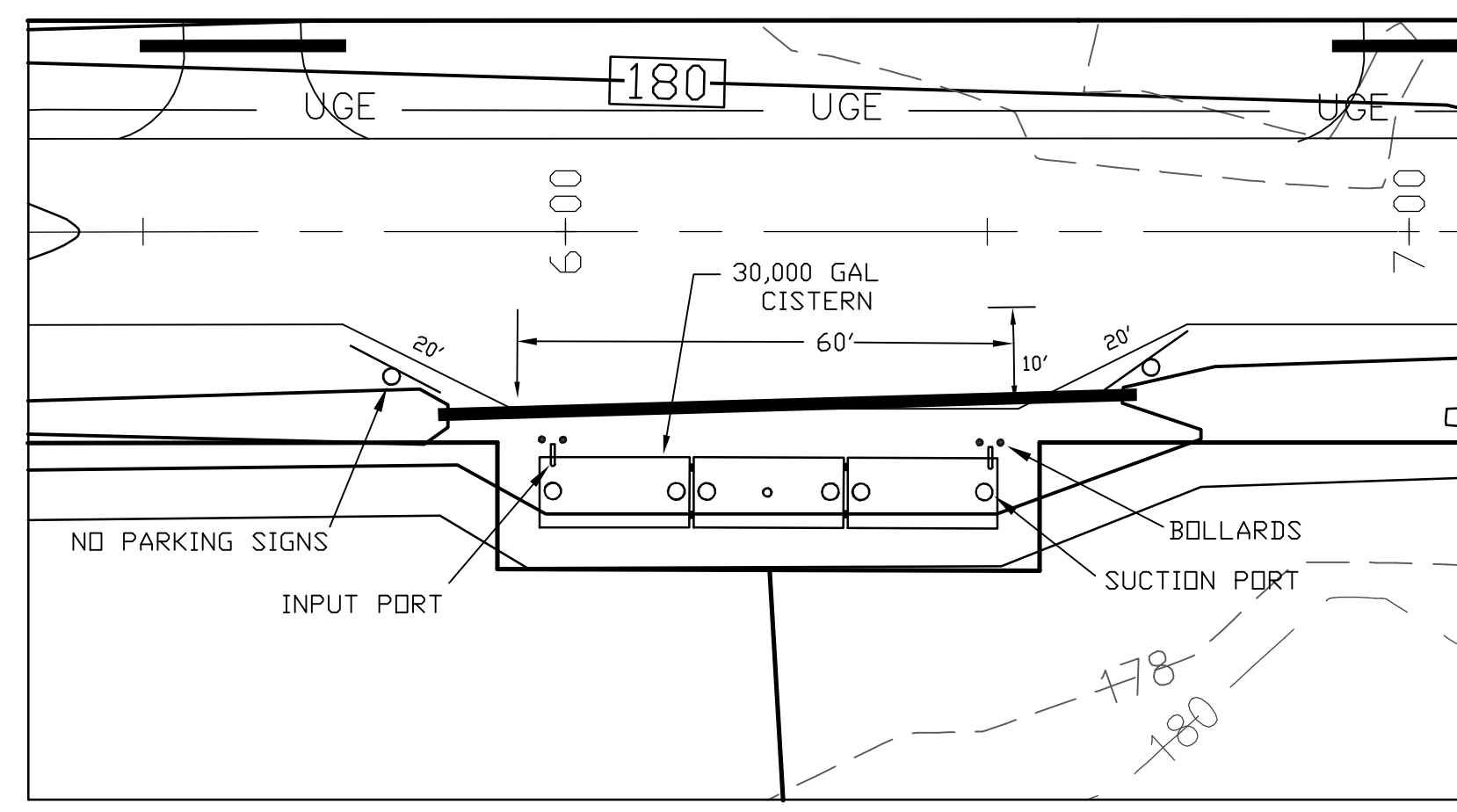
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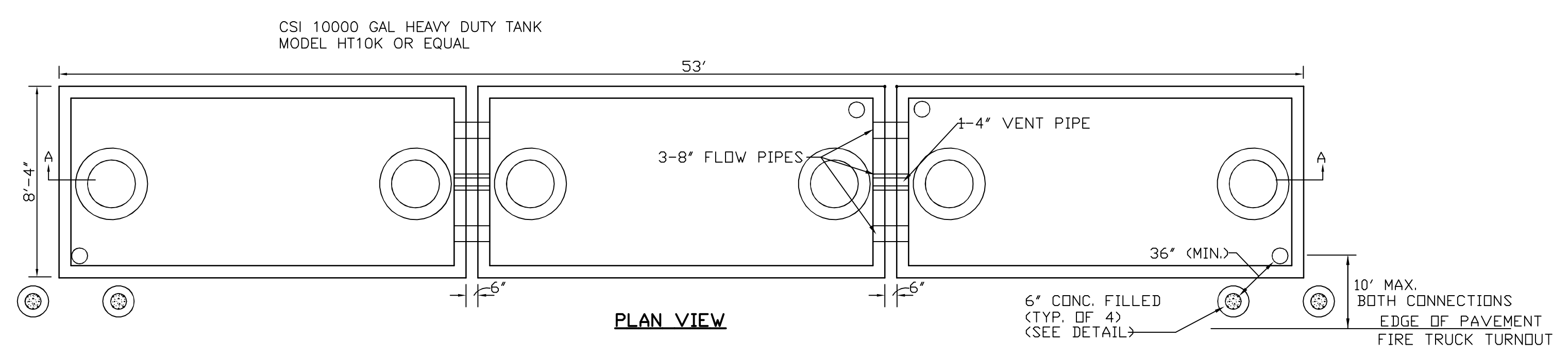
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CISTERN SPECIFICATIONS

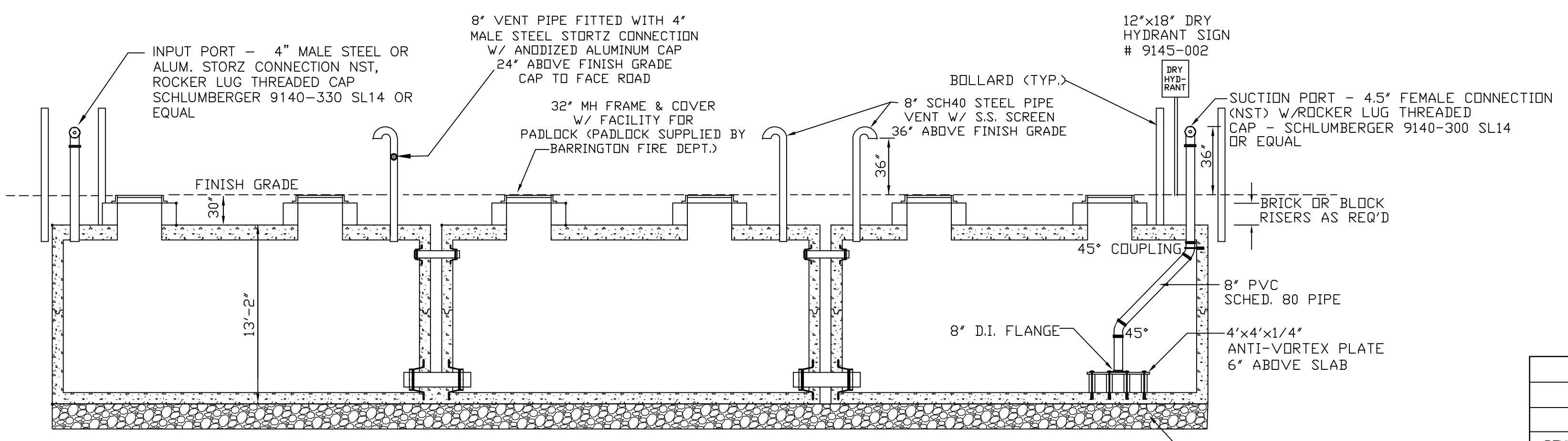
1. THE CISTERN SHALL BE DESIGNED TO BE TROUBLE FREE, AND IT SHALL BE DESIGNED TO LAST 50 YEARS.
2. THE MINIMUM CAPACITY SHALL BE 10,000 GALLONS. DEPENDING ON THE DEVELOPMENT LAYOUT/CONFIGURATION, ADDITIONAL GALLON REQUIREMENTS MAY BE IMPOSED AT THE DISCRETION OF THE FIRE CHIEF. ALL EXCEPTIONS, ADDITIONS, OR DELETIONS WILL BE IN WRITING.
3. THE SUCTION CAPACITY SHALL BE CAPABLE OF DELIVERING 1,000 GALLONS PER MINUTE (GPM) FOR THREE-QUARTERS OF THE CISTERN CAPACITY.
4. THE ENTIRE CISTERN AND APPURTENANCES SHALL BE RATED FOR HS-20 HIGHWAY LOADING.
5. DRAWINGS OF THE DESIGN ARE FOR ESTIMATING GENERAL REQUIREMENT AND DESIGN PURPOSES ONLY AND ARE NOT INTENDED FOR USE AS DESIGN.
6. EACH CISTERN SHALL BE DESIGNED, SITED TO THE PARTICULAR LOCATION, STAMPED BY A REGISTERED ENGINEER, AND APPROVED BY THE FIRE CHIEF.
7. ALL SUCTION AND FILL PIPING SHALL BE AMERICAN SOCIETY FOR TESTING MATERIALS (ASTM) SCHEDULE 40 STEEL. ALL VENT PIPING SHALL BE ASTM SCHEDULE 40 STEEL WITH WELDED JOINTS. ALL PIPING LOCATED WITHIN THE TANK SHALL BE ASTM SCHEDULE 40 STEEL WITH WELDED JOINTS. ALL PIPING LEADING FROM THE TANK TO THE HYDRANT SHALL BE ASTM SCHEDULE 40 STEEL.
8. THE FINAL SUCTION CONNECTION SHALL BE FIVE INCH PUMPER NOZZLE WITH A CAP. THE SUCTION PIPE SHALL BE BRACED TO ENSURE DURABILITY DURING PUMPING OPERATIONS. THE FIRE CHIEF SHALL APPROVE BRACE CONFIGURATION AND INSTALLATION. THE SUCTION PIPE CONNECTION SHALL BE TWENTY-FOUR INCHES ABOVE THE LEVEL OF THE VEHICLE PAD WHERE VEHICLE WHEELS WILL BE LOCATED WHEN THE CISTERN IS IN USE.
9. THE FILLER CONNECTION SHALL BE INTALLED INTO THE EIGHT INCH VENT WITH 4" MALE STEEL STORZ FITTING. THIS FITTING SHALL BE 24" ABOVE FINISH GRADE AND FACE THE ROAD. A THIRTY-TWO INCH DIAMETER MANHOLE WITH COVER WILL BE LOCATED ON TOP OF THE CISTERN. THE CONFIGURATION OF THIS MANHOLE SHALL ALLOW THE UNIT TO BE SECURED WITH TWO PADLOCKS AND SHALL BE APPROVED BY THE FIRE CHIEF. THE PADLOCKS WILL BE SUPPLIED BY THE FIRE DEPARTMENT.
10. THE DISTANCE FROM THE BOTTOM OF THE SUCTION PIPE TO THE PUMPER CONNECTION SHALL NOT EXCEED FOURTEEN FEET VERTICAL.
11. ALL HORIZONTAL SUCTION PIPING SHALL SLOPE SLIGHTLY UPHILL TOWARD THE PUMPER CONNECTION.
12. BEDDING FOR THE CISTERN SHALL CONSIST OF A MINIMUM OF TWELVE INCHES OF 3/4" TO 1 1/2" WASHED PEA STONE, COMPACTED. NO FILL SHALL BE USED UNDER THE STONE. OVER EXCAVATION SHALL BE FILLED WITH THE SAME STONE BEDDING MATERIAL.
13. ALL BACKFILL MATERIALS SHALL BE SCREENED GRAVEL WITH NO STONES LARGER THAN SIX INCHES AND SHALL BE COMPACTED TO 95 PERCENT OF ITS ORIGINAL VOLUME IN ACCORDANCE WITH ASTM D 1557. 16. THE TOP OF CISTERN SHALL BE INSULATED WITH VERMIN RESISTANT FOAM INSULATION AND TWO FEET OF BACKFILL WITH A MINIMUM WEIGHT OF 120 PCF, COMPACTED. FOAM USED FOR THIS INSTALLATION SHALL BE CLOSED CELL POLYURETHANE FOAM WITH AN INSULATION FACTOR OF R=5 PER INCH. ALL BACKFILL SHALL EXTEND TEN FEET BEYOND THE EDGE OF THE VEHICLE PAD AND THEN HAVE A MAXIMUM OF 3:1 SLOPE, LOAM AND SEEDED.
14. BEFORE ANY BACKFILLING IS DONE THE ENTIRE CISTERN SHALL BE COMPLETED AND INSPECTED BY THE FIRE CHIEF.
15. AFTER BACKFILLING, BOLLARDS OR LARGE STONES SHALL BE PLACED TO PROTECT THE TANK AND APPURTENANCES.
16. THE PITCH OF THE SHOULDER AND VEHICLE PAD FROM THE EDGE OF THE PAVEMENT TO THE PUMPER SUCTION CONNECTION SHALL BE ONE PERCENT TO THREE PERCENT DOWNGRADE.
17. THE SHOULDER AND VEHICLE PAD SHALL BE OF A SUFFICIENT LENGTH TO ALLOW CONVENIENT ACCESS TO THE SUCTION CONNECTION WHEN THE PUMPER IS SET AT 45 DEGREES TO THE ROAD. THE SHOULDER AND VEHICLE PAD SECTION SHALL CONSIST OF 3" BITUMINOUS PAVING, REFER TO SITE PLAN FOR REQUIREMENTS.
18. THE SUCTION FITTING SHALL BE LOCATED BETWEEN 22 AND 24 FEET FROM THE NEAREST RUNNING EDGE OF ROAD PAVEMENT. TWO CONCRETE FILLED STEEL BOLLARDS SHALL BE PLACED IN A MANNER TO PROTECT THE HYDRANT. THE BASE OF THESE BOLLARDS SHALL EXTEND BELOW THE FROST LINE. THE UPPER PORTION OF THE BOLLARDS SHALL EXTEND THIRTY SIX INCHES ABOVE THE LEVEL OF THE VEHICLE PAD WHERE VEHICLE WHEELS WILL BE LOCATED WHEN THE CISTERN IS IN USE.
19. ALL CONSTRUCTION, BACKFILL, AND GRADING MATERIALS SHALL BE IN ACCORDANCE WITH PROPER CONSTRUCTION PRACTICES AND SHALL BE ACCEPTABLE TO THE FIRE CHIEF.
20. THE FIRE CHIEF (OR REPRESENTATIVE) AND THE ENGINEER'S INSPECTOR WILL BE NOTIFIED BY THE CONTRACTOR TO OBSERVE THE FOLLOWING POINTS OF INSTALLATION:
 - A. EXCAVATION COMPLETE.
 - B. CRUSHED STONE INSTALLED AND COMPACTED
 - C. BACKFILLING COMPLETE PRIOR TO PLACEMENT OF INSULATION.
 - D. PLACEMENT OF INSULATION.
 - E. START AND FINISH OF LEAKAGE TEST.
 - F. PIPING MANWAYS AND BOLLARDS IN PLACE AND PAINTED.
 - G. ALL BACKFILLING LOAM, SEED, ETC. COMPLETE WITH TURNOUT GRAVEL IN PLACE AND GRADED.
 - H. PAVEMENT COMPLETE, AND ALL OTHER WORK 100% COMPLETE.
21. THE FIRE CHIEF SHALL BE NOTIFIED OF THE DATE THAT SITE WORK IS TO BEGIN.
22. ANY EXCEPTION, ADDITIONS, OR DELETIONS ARE DATED AND NOTED BELOW:
23. CONCRETE MUST HAVE A MINIMUM OF 150 PCF.
24. STONE AND GRAVEL BACKFILL MUST HAVE A MINIMUM OF 120 PCF.



CISTERN SITE PLAN
 SCALE: 1"=20'



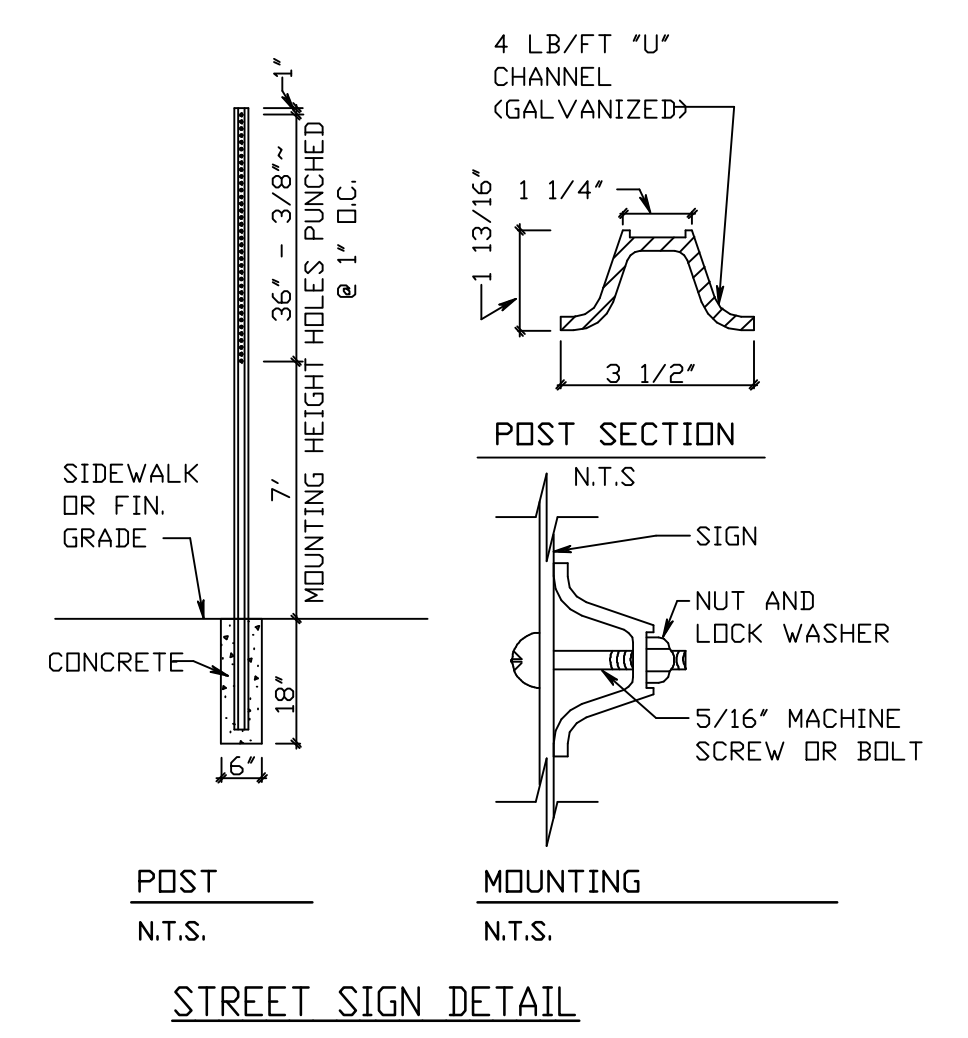
PLAN VIEW



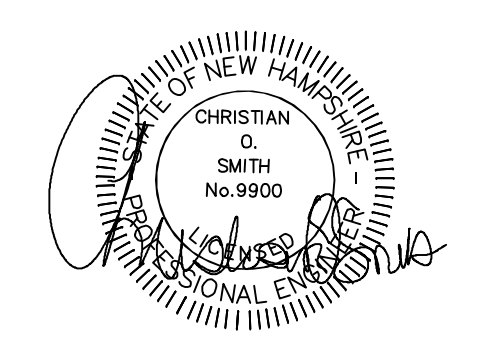
SECTION A-A

- NOTES**
1. CONCRETE: 5,000 PSI AFTER 28 DAYS.
 2. REINFORCED FOR H-20 LOADING.
 3. JOINTS SEALED WATER TIGHT.
 4. ALL BELOW GRADE EXTERIOR SURFACES OF THE TANK SHALL BE COATED WITH KOL-TAR'S BLACK SHIELD ASPHALT COATING, OR APPROVED EQUAL
 5. CISTERN INSTALLATION MUST CONFORM WITH ALL LOCAL FIRE DEPARTMENT REQUIREMENTS.

PROPOSED 30,000 GAL FIRE CISTERN DETAIL
 NOT TO SCALE



STREET SIGN DETAIL



REVISIONS:		DATE:
REVISED PER REVIEW COMMENTS		1-17-23
FIRE CISTERN DETAILS		
PLAN FOR: RESIDENTIAL DEVELOPMENT MALLEGRO ROAD BARRINGTON, NH		
DATE:	NOV 2022	SCALE NTS
PROJ. NO.:	NH-1443	SHEET NO. 21

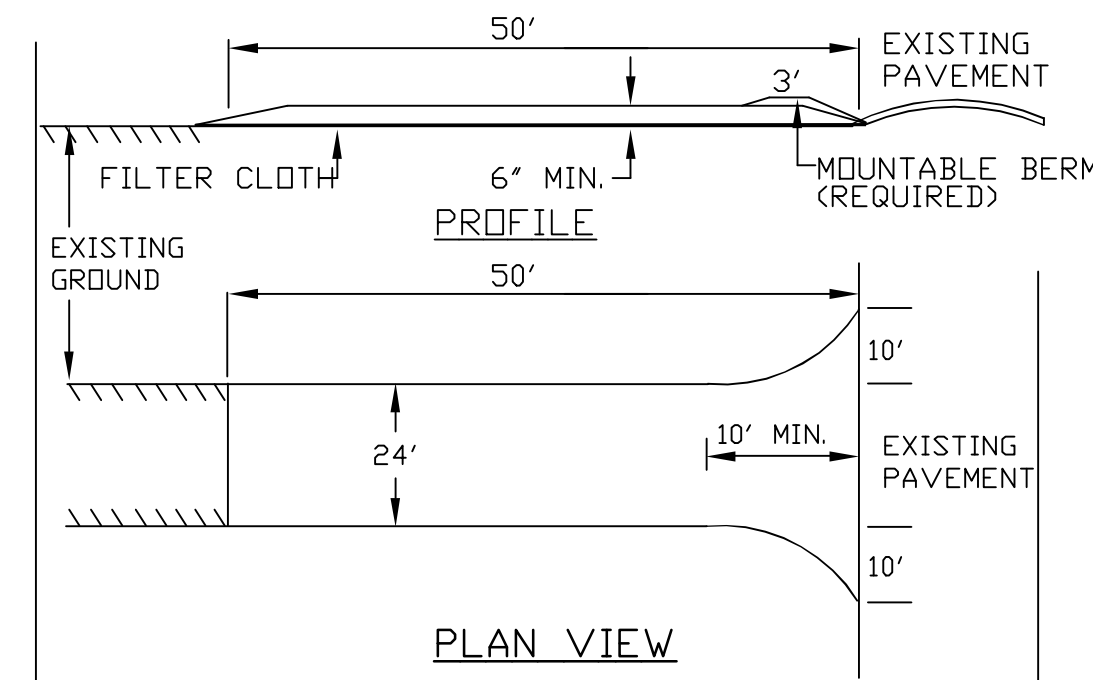
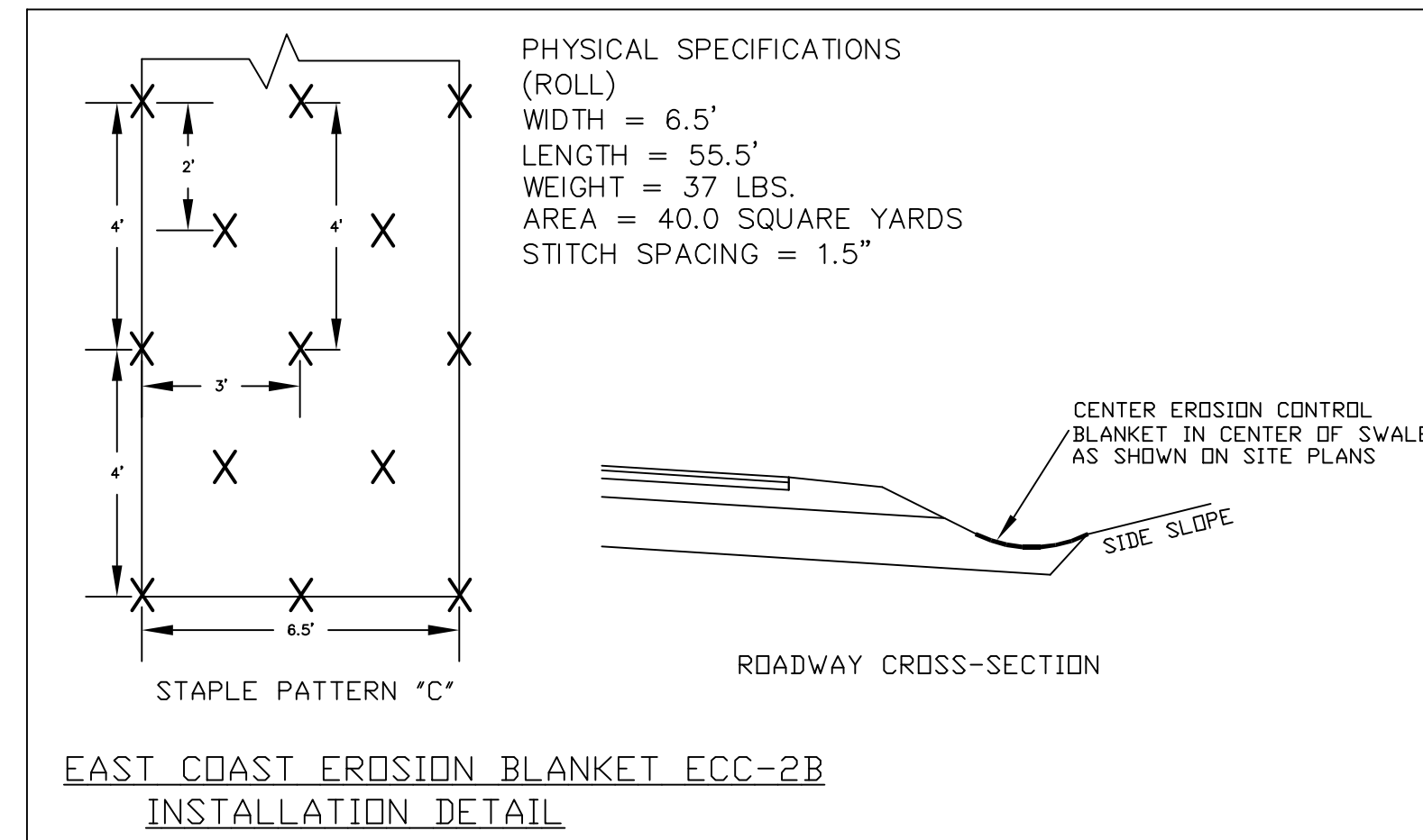
REVIEWED AND APPROVED
 IN ACCORDANCE WITH THE
 REQUIREMENTS OF THE
 NH DEPT OF ENVIRONMENTAL SERVICES
 WATER DIVISION

Eric Thomas
 Date: 6/6/2023
 #cSA202306001

PREPARED FOR:
JOSEPH FALZONE
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STRATHAM, N.H. 03885

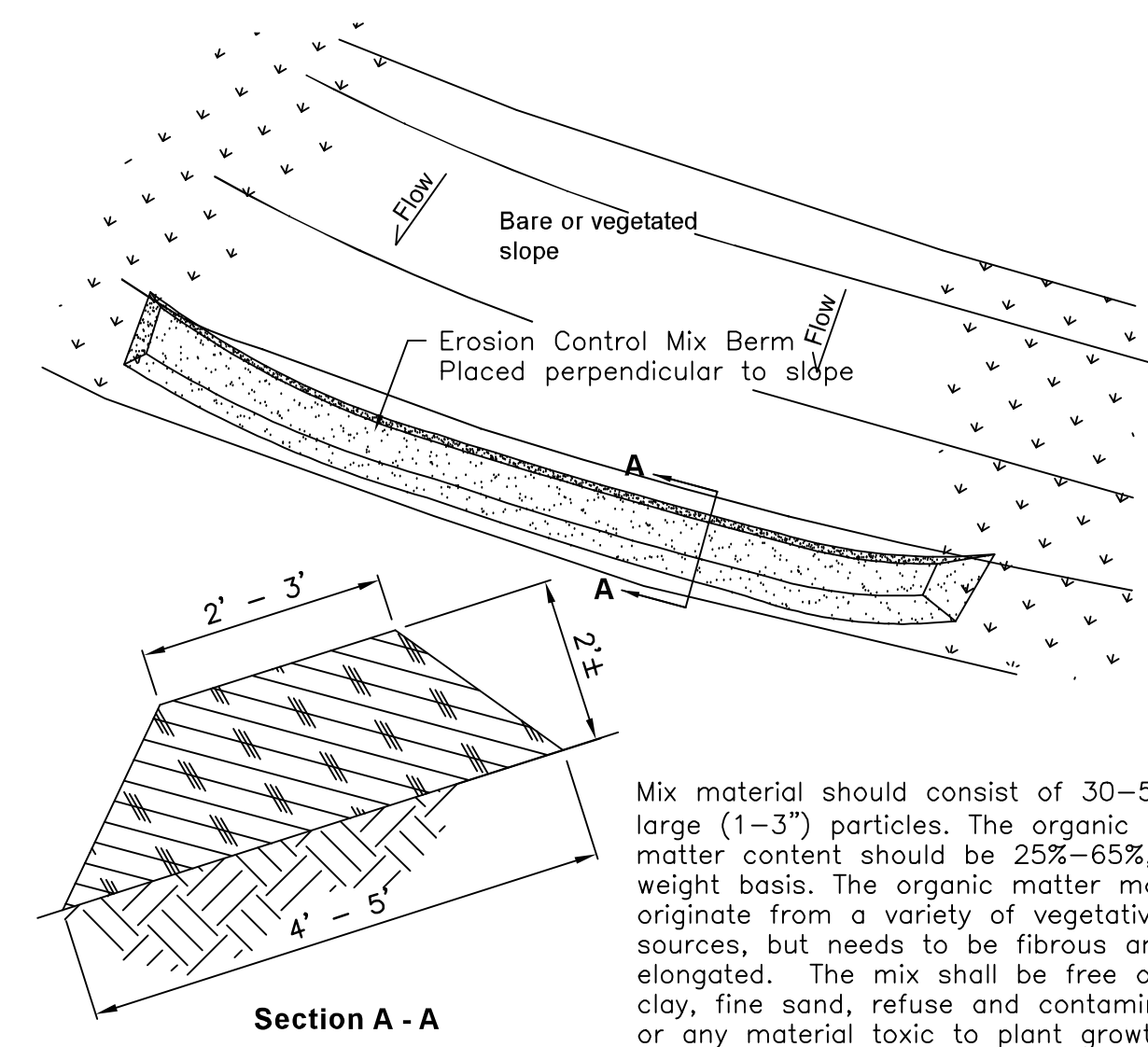


70 PORTSMOUTH AVE,
 THIRD FLOOR, SUITE 2
 STRATHAM, N.H. 03885
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 FAX: 603-583-4863



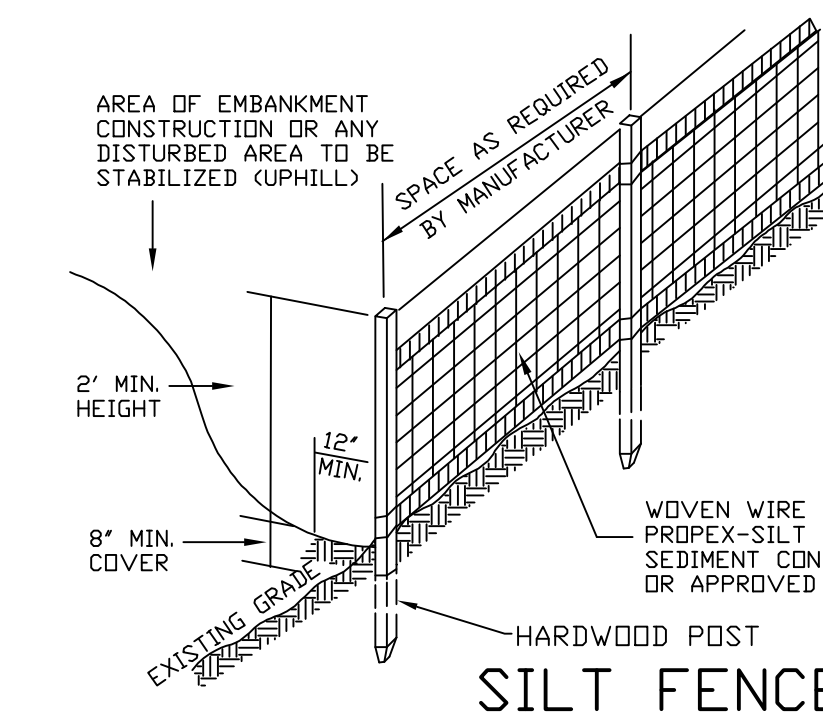
- STONE FOR A STABILIZED CONSTRUCTION ENTRANCE SHALL BE 3 INCH STONE, RECLAIMED STONE, OR RECYCLED CONCRETE EQUIVALENT.
- THE LENGTH OF THE STABILIZED ENTRANCE SHALL NOT BE LESS THAN 50 FEET, EXCEPT FOR A SINGLE RESIDENTIAL LOT WHERE A 30 FOOT MINIMUM LENGTH WOULD APPLY.
- THE THICKNESS OF THE STONE FOR THE STABILIZED ENTRANCE SHALL NOT BE LESS THAN 6 INCHES.
- THE WIDTH OF THE ENTRANCE SHALL NOT BE LESS THAN THE FULL WIDTH OF THE ENTRANCE WHERE INGRESS OR EGRESS OCCURS OR 10 FEET, WHICH EVER IS GREATER. 5. GEOTEXTILE FILTER CLOTH SHALL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING THE STONE. FILTER CLOTH IS NOT REQUIRED FOR A SINGLE FAMILY RESIDENCE LOT.
- ALL SURFACE WATER THAT IS FLOWING TO OR DIVERTED TOWARD THE CONSTRUCTION ENTRANCE SHALL BE PIPED BENEATH THE ENTRANCE. IF PIPING IS IMPRACTICAL, A BERM WITH 5:1 SLOPES THAT CAN BE CROSSED BY VEHICLES MAY BE SUBSTITUTED FOR THE PIPE.
- THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEAN OUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, WASHED, OR TRACKED ONTO PUBLIC RIGHT-OF-WAY MUST BE REMOVED PROMPTLY.

STABILIZED CONSTRUCTION ENTRANCE



Mix material should consist of 30-50% large (1-3") particles. The organic matter content should be 25%-65%, dry weight basis. The organic matter may originate from a variety of vegetative sources, but needs to be fibrous and elongated. The mix shall be free of silt, clay, fine sand, refuse and contaminants or any material toxic to plant growth. Erosion Control Mix berms are effective filters for overland flow conditions and should not be used to filter concentrated flow such as that found in drainage ditches, streams, etc.

Erosion Control Mix Berm



SILT FENCE

- CONSTRUCTION SPECIFICATIONS**
- WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES AND FILTER CLOTH SHALL BE FASTENED TO WOVEN WIRE EVERY 24" AT TOP MID AND BOTTOM SECTIONS AND BE EMBEDDED INTO GROUND A MINIMUM OF 8".
 - THE FENCE POSTS SHALL BE A MINIMUM 48" LONG, SPACED A MAXIMUM 10' APART, AND DRIVEN A MINIMUM OF 16" INTO THE GROUND.
 - WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER, THE ENDS OF THE FABRIC SHALL BE OVERLAPPED BY SIX INCHES, FOLDED AND STAPLED TO PREVENT SEDIMENT FROM BY-PASSING.
 - MAINTENANCE SHALL BE PERFORMED AS NEEDED AND SEDIMENT REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE AND PROPERLY DISPOSED OF.
 - PLACE THE ENDS OF THE SILT FENCE UP CONTOUR TO PROVIDE FOR SEDIMENT STORAGE.
 - SILT FENCES SHALL BE REMOVED WHEN NO LONGER NEEDED AND THE SEDIMENT COLLECTED SHALL BE DISPOSED AS DIRECTED BY THE ENGINEER. THE AREA DISTURBED BY THE REMOVAL SHALL BE SMOOTHED AND RE-VEGETATED.

- MAINTENANCE**
- SILT FENCES SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REPAIRS THAT ARE REQUIRED SHALL BE MADE IMMEDIATELY.
 - IF THE FABRIC ON A SILT FENCE SHOULD DECOMPOSE OR BECOME INEFFECTIVE DURING THE EXPECTED LIFE OF THE FENCE, THE FABRIC SHALL BE REPLACED PROMPTLY.
 - SEDIMENT DEPOSITS SHOULD BE INSPECTED AFTER EVERY STORM EVENT. THE DEPOSITS SHOULD BE REMOVED WHEN THEY REACH APPROXIMATELY ONE HALF THE HEIGHT OF THE BARRIER.
 - SEDIMENT DEPOSITS THAT ARE REMOVED OR LEFT IN PLACE AFTER THE FABRIC HAS BEEN REMOVED SHALL BE GRADED TO CONFORM WITH THE EXISTING TOPOGRAPHY AND VEGETATED.

SEEDING GUIDE

USE	SEEDING MIXTURE 1/	DROUGHTY	WELL DRAINED	MODERATELY WELL DRAINED	POORLY DRAINED
STEEP CUTS AND FILLS, BORROW AND DISPOSAL AREAS	A	FAIR	GOOD	GOOD	FAIR
	B	POOR	GOOD	FAIR	FAIR
	C	FAIR	GOOD	EXCELLENT	GOOD
	D	FAIR	FAIR	GOOD	EXCELLENT
	E	FAIR	EXCELLENT	EXCELLENT	POOR
WATERWAYS, EMERGENCY SPILLWAYS, AND OTHER CHANNELS WITH FLOWING WATER	A	GOOD	GOOD	GOOD	FAIR
	B	GOOD	GOOD	EXCELLENT	FAIR
	C	GOOD	EXCELLENT	EXCELLENT	FAIR
	D	GOOD	EXCELLENT	EXCELLENT	FAIR
LIGHTLY USED PARKING LOTS, ODD AREAS, UNUSED LAWNS, AND LOW INTENSITY USE RECREATION SITES	A	GOOD	GOOD	GOOD	FAIR
	B	GOOD	GOOD	FAIR	POOR
	C	GOOD	EXCELLENT	EXCELLENT	FAIR
	D	FAIR	GOOD	GOOD	EXCELLENT
PLAY AREAS AND ATHLETIC FIELDS (TOPSOIL IS ESSENTIAL FOR GOOD TURF)	F	FAIR	EXCELLENT	EXCELLENT	2/
	G	FAIR	EXCELLENT	EXCELLENT	2/

GRAVEL PIT: SEE NH-PM-24 IN APPENDIX FOR RECOMMENDATION REGARDING RECLAMATION OF SAND AND GRAVEL PITS.
 1/ REFER TO SEEDING MIXTURES AND RATES IN TABLE 7-36.
 2/ POORLY DRAINED SOILS ARE NOT RESEMBLABLE FOR USE AS PLAYING AREA AND ATHLETIC FIELDS.

TEMPORARY EROSION CONTROL MEASURES

- THE SMALLEST PRACTICAL AREA SHALL BE DISTURBED DURING CONSTRUCTION, BUT NO MORE THAN 5 ACRES OF LAND SHALL BE EXPOSED BEFORE DISTURBED AREAS ARE STABILIZED*.
- EROSION, SEDIMENT AND DETENTION MEASURES SHALL BE INSTALLED AS SHOWN ON THE PLANS AND AT LOCATIONS AS REQUIRED OR DIRECTED BY THE ENGINEER ALL DISTURBED AREAS SHALL BE RETURNED TO ORIGINAL GRADES AND ELEVATIONS.
- DISTURBED AREAS SHALL BE LOAMED WITH A MINIMUM OF 4" OF LOAM AND SEEDED WITH NOT LESS THAN 1.10 POUNDS OF SEED PER 1000 SQUARE FEET OF AREA. (48 POUNDS PER ACRE) SEE SEED SPECIFICATIONS THIS SHEET.
- SILT FENCES AND OTHER EROSION CONTROLS SHALL BE INSPECTED WEEKLY AND AFTER EVERY RAIN EVENT GREATER THAN 0.5" DURING THE LIFE OF THE PROJECT. ALL DAMAGED AREAS SHALL BE REPAIRED, SEDIMENT DEPOSITS SHALL PERIODICALLY BE REMOVED AND DISPOSED OF.
- AFTER ALL DISTURBED AREAS HAVE BEEN STABILIZED, THE TEMPORARY EROSION CONTROL MEASURES ARE TO BE REMOVED AND THE AREA DISTURBED BY THE REMOVAL SMOOTHED AND RE-VEGETATED.
- AREAS MUST BE SEEDED AND MULCHED WITHIN 3 DAYS OF FINAL GRADING, PERMANENTLY STABILIZED WITHIN 15 DAYS OF FINAL GRADING, OR TEMPORARILY STABILIZED WITHIN 30 DAYS OF INITIAL DISTURBANCE OF SOIL.
- AN AREA SHALL BE CONSIDERED STABLE IF ONE OF THE FOLLOWING HAS OCCURRED:
 - BASE COURSE GRAVELS HAVE BEEN INSTALLED IN AREAS TO BE PAVED.
 - A MINIMUM OF 85% VEGETATED GROWTH HAS BEEN ESTABLISHED.
 - A MINIMUM OF 3 INCHES OF NON-EROSIVE MATERIAL SUCH AS RIPRAP HAS BEEN INSTALLED.
 - EROSION CONTROL BLANKETS HAVE BEEN PROPERLY INSTALLED.

CONSTRUCTION SPECIFICATIONS

- STRUCTURES SHALL BE INSTALLED ACCORDING TO THE DIMENSIONS SHOWN ON THE PLANS AT THE APPROPRIATE SPACING.
- CONSTRUCTION OPERATIONS SHALL BE CARRIED OUT IN SUCH A MANNER SO THAT EROSION AND AIR AND WATER POLLUTION WILL BE MINIMIZED.
- WHEN TIMBER STRUCTURES ARE USED, THE TIMBER SHALL EXTEND AT LEAST 18" INTO THE SOIL.
- STRAW BALES SHALL BE ANCHORED INTO THE SOIL USING 2" X 2" STAKES DRIVEN THROUGH THE BALES AND AT LEAST 18 INCHES IN TO THE SOIL.
- SEEDING, FERTILIZING, AND MULCHING SHALL CONFORM TO THE RECOMMENDATIONS IN THE APPROPRIATED VEGETATIVE BMP.
- STRUCTURES SHALL BE REMOVED FROM THE CHANNEL WHEN THEIR USEFUL LIFE HAS BEEN COMPLETED.
- THROUGHOUT THE DURATION OF CONSTRUCTION ACTIVITIES THE CONTRACTOR SHALL TAKE PRECAUTIONS AND INSTRUCTIONS FROM THE PLANNING DEPARTMENT IN ORDER TO PREVENT, ABATE AND CONTROL THE EMISSION OF FUGITIVE DUST INCLUDING BUT NOT LIMITED TO WETTING, COVERING, SHIELDING, OR VACUUMING.
- THE NH COMMISSIONER OF AGRICULTURE PROHIBITS THE COLLECTION, POSSESSION, IMPORTATION, TRANSPORTATION, SALE, PROPAGATION, TRANSPLANTATION, OR CULTIVATION OF PLANTS BANNED BY NH LAW RSA 430:53 AND NH CODE ADMINISTRATIVE RULES AGR 3800. THE PROJECT SHALL MEET ALL REQUIREMENTS AND THE INTENT OF RSA 430:53 AND AGR 3800 RELATIVE TO INVASIVE SPECIES.
- THE CONSTRUCTION SITE OPERATOR AND OWNER SHALL SUBMIT A NOTICE OF INTENT (NOI) TO USEPA, WASHINGTON, DC, STORMWATER NOTICE PROCESSING CENTER AT LEAST FOURTEEN DAYS PRIOR TO COMMENCEMENT OF WORK ON SITE. EPA WILL POST THE NOI AT <http://cfpub.epa.gov/npdes/stormwater/noi/noisearch.cfm>. AUTHORIZATION IS GRANTED UNDER THE PERMIT ONCE THE NOI IS SHOWN IN "ACTIVE STATUS".

CONSTRUCTION SEQUENCE

- CUT AND REMOVE TREES IN CONSTRUCTION AREAS AS REQUIRED OR DIRECTED.
- CONSTRUCT AND/OR INSTALL TEMPORARY AND PERMANENT SEDIMENT EROSION AND DETENTION CONTROL FACILITIES AS REQUIRED. EROSION, SEDIMENT AND DETENTION CONTROL FACILITIES SHALL BE INSTALLED AND STABILIZED PRIOR TO ANY EARTH MOVING OPERATION AND PRIOR TO DIRECTING RUNOFF TO THEM. RUNOFF MUST BE DIRECTED TO TEMPORARY PRACTICES UNTIL STORMWATER BMP'S ARE STABILIZED.
- CLEAR, CUT, GRUB AND DISPOSE OF DEBRIS IN APPROVED FACILITIES. STUMPS AND DEBRIS ARE TO BE REMOVED FROM SITE AND DISPOSED OF PER STATE AND LOCAL REGULATIONS.
- EXCAVATE AND STOCKPILE TOPSOIL /LOAM. ALL AREAS SHALL BE STABILIZED IMMEDIATELY AFTER GRADING.
- CONSTRUCT TEMPORARY CULVERTS AS REQUIRED OR DIRECTED.
- CONSTRUCT THE ROADWAY/DRIVEWAYS AND ITS ASSOCIATED DRAINAGE STRUCTURES. ALL ROADWAYS, PARKING AREAS, AND CUT/FILL SLOPES SHALL BE STABILIZED AND/OR LOAMED AND SEEDED WITHIN 72-HOURS OF ACHIEVING FINISH GRADE AS APPLICABLE.
- INSTALL PIPE AND CONSTRUCTION ASSOCIATED APPURTENANCES AS REQUIRED OR DIRECTED. ALL DISTURBED AREAS SHALL STABILIZED IMMEDIATELY AFTER GRADING.
- BEGIN PERMANENT AND TEMPORARY SEEDING AND MULCHING. ALL CUT AND FILL SLOPES AND DISTURBED AREAS SHALL BE SEEDED OR MULCHED AS REQUIRED, OR DIRECTED.
- DAILY OR AS REQUIRED, CONSTRUCT TEMPORARY BERMS, DRAINAGE CHECK DAMS, DITCHES, SEDIMENT TRAPS, ETC. TO PREVENT EROSION ON THE SITE AND PREVENT ANY SILTATION OF ABUTTING WATERS OR PROPERTY.
- INSPECT AND MAINTAIN ALL EROSION AND SEDIMENT CONTROL MEASURES DURING CONSTRUCTION
- COMPLETE PERMANENT SEEDING AND LANDSCAPING
- REMOVE TEMPORARY EROSION CONTROL MEASURES AFTER SEEDING AREAS HAVE ESTABLISHED THEMSELVES AND COMPLETE, SMOOTH AND REVEGETATE ALL DISTURBED AREAS.
- CONSTRUCT PERMANENT STRUCTURES WILL BE CONSTRUCTED AND STABILIZED PRIOR TO HAVING RUNOFF FROM ROADWAYS/DRIVEWAYS.
- ALL ROADWAYS/DRIVEWAYS SHALL NOT COMMENCE UNTIL THE TEMPORARY BASE COURSE TO DESIGN ELEVATION AND THE ASSOCIATED DRAINAGE IS COMPLETE AND STABLE.

REVIEWED AND APPROVED
 IN ACCORDANCE WITH THE
 REQUIREMENTS OF THE
 NH DEPT OF ENVIRONMENTAL SERVICES
WATER DIVISION

 Date: 6/6/2023
 #cSA2023060601

WINTER MAINTENANCE

- ALL DISTURBED AREAS THAT DO NOT HAVE AT LEAST 85% VEGETATIVE COVERAGE PRIOR TO OCTOBER 15TH, SHALL BE STABILIZED BY APPLYING MULCH AT A RATE OF 3-4 TONS PER ACRE. ALL SIDE SLOPES, STEEPER THAN 4:1, THAT ARE NOT DIRECTED TO SWALES OR DETENTION BASINS, SHALL BE LINED WITH BIODEGRADABLE/PHOTODEGRADABLE "JUTE MATTING" (EXCELSIOR'S CURLEX II OR EQUAL). ALL OTHER SLOPES SHALL BE MULCHED AND TACKED AT A RATE OF 3-4 TONS PER ACRE. THE APPLICATION OF MULCH AND/OR JUTE MATTING SHALL NOT OCCUR OVER EXISTING SNOW COVER. IF THE SITE IS ACTIVE AFTER NOVEMBER 15TH, ANY SNOW THAT ACCUMULATES ON DISTURBED AREAS SHALL BE REMOVED. PRIOR TO SPRING THAW ALL AREAS WILL BE STABILIZED, AS DIRECTED ABOVE.
- ALL SWALES THAT DO NOT HAVE FULLY ESTABLISHED VEGETATION SHALL BE EITHER LINED WITH TEMPORARY JUTE MATTING OR TEMPORARY STONE CHECK DAMS (APPROPRIATELY SPACED). STONE CHECK DAMS WILL BE MAINTAINED THROUGHOUT THE WINTER MONTHS. IF THE SWALES ARE TO BE MATTED WITH PERMANENT LINERS OR RIPRAP WITH ENGINEERING FABRIC, THIS SHALL BE COMPLETED PRIOR TO WINTER SHUTDOWN OR AS SOON AS THEY ARE PROPERLY GRADED AND SHAPED.
- PRIOR TO OCT. 15TH ALL ROADWAY AND PARKING AREAS SHALL BE BROUGHT UP TO AND THROUGH THE BANK RUN GRAVEL APPLICATION. IF THESE AREAS' ELEVATIONS ARE PROPOSED TO REMAIN BELOW THE PROPOSED SUBGRADE ELEVATION, THE SUBGRADE MATERIAL SHALL BE ROUGHLY CROWNED AND A 3" LAYER OF CRUSHED GRAVEL SHALL BE PLACED AND COMPACTED. THIS WILL ALLOW THE SUBGRADE TO SHED RUNOFF AND WILL REDUCE ROADWAY EROSION. THIS CRUSHED GRAVEL DOES NOT HAVE TO CONFORM TO NH DOT 304.3, BUT SHALL HAVE BETWEEN 15-25% PASSING THE #200 SIEVE AND THE LARGEST STONE SIZE SHALL BE 2". IF THE SITE IS ACTIVE AFTER NOVEMBER 15TH, ANY ACCUMULATED SNOW SHALL BE REMOVED FROM ALL ROADWAY AND PARKING AREAS.
- AFTER OCTOBER 15TH, THE END OF NEW HAMPSHIRE'S AVERAGE GROWING SEASON, NO ADDITIONAL LOAM SHALL BE SPREAD ON SIDE SLOPES AND SWALES. THE STOCKPILES THAT WILL BE LEFT UNDISTURBED UNTIL SPRING SHALL BE SEEDED BY THIS DATE. AFTER OCTOBER 15TH, ANY NEW OR DISTURBED PILES SHALL BE MULCHED AT A RATE OF 3-4 TONS PER ACRE. ALL STOCKPILES THAT WILL REMAIN THROUGHOUT THE WINTER SHALL BE SURROUNDED WITH SILT FENCING.

SEEDING SPECIFICATIONS

- GRADING AND SHAPING
 - SLOPES SHALL NOT BE STEEPER THAN 2:1:3:1 SLOPES OR FLATTER ARE PREFERRED. WHERE MOWING WILL BE DONE, 3:1 SLOPES OR FLATTER ARE RECOMMENDED.
- SEEDBED PREPARATION
 - SURFACE AND SEEPAGE WATER SHOULD BE DRAINED OR DIVERTED FROM THE SITE TO PREVENT DROWNING OR WINTER KILLING OF THE PLANTS.
 - STONES LARGER THAN 4 INCHES AND TRASH SHOULD BE REMOVED BECAUSE THEY INTERFERE WITH SEEDING AND FUTURE MAINTENANCE OF THE AREA. WHERE FEASIBLE, THE SOIL SHOULD BE TILLED TO A DEPTH OF ABOUT 4 INCHES TO PREPARE A SEEDBED AND MIX FERTILIZER AND LIME INTO THE SOIL. THE SEEDBED SHOULD BE LEFT IN REASONABLY FIRM AND SMOOTH CONDITION. THE LAST TILLAGE OPERATION SHOULD BE PERFORMED ACROSS THE SLOPE WHEREVER PRACTICAL.
- ESTABLISHING A STAND
 - LIME AND FERTILIZER SHOULD BE APPLIED PRIOR TO OR AT THE TIME OF SEEDING AND INCORPORATED INTO THE SOIL. KINDS AND AMOUNTS OF LIME AND FERTILIZER SHOULD BE BASED ON AN EVALUATION OF SOIL TESTS. WHEN A SOIL TEST IS NOT AVAILABLE, THE FOLLOWING MINIMUM AMOUNTS SHOULD BE APPLIED: AGRICULTURAL LIMESTONE, 2 TONS PER ACRE OR 100 LBS PER 1,000 SQ. FT.; NITROGEN(N), 50 LBS PER ACRE OR 1.1 LBS PER 1,000 SQ.FT.; PHOSPHATE(P2O5), 100 LBS PER ACRE OR 2.2 LBS PER 1,000 SQ.FT.; POTASH(K2O), 100 LBS PER ACRE OR 2.2 LBS PER 1,000 SQ.FT. (NOTE: THIS IS THE EQUIVALENT OF 500 LBS PER ACRE OF 10-20-20 FERTILIZER OR 1,000 LBS PER ACRE OF 5-10-10)
 - SEED SHOULD BE SPREAD UNIFORMLY BY THE METHOD MOST APPROPRIATE FOR THE SITE. METHODS INCLUDE BROADCASTING, DRILLING AND HYDRASEEDING WHERE BROADCASTING IS USED, COVER SEED WITH .25 INCH OF SOIL OR LESS, BY CULTIPACKING OR RAKING.
 - REFER TO TABLE(C-E) THIS SHEET) FOR APPROPRIATE SEED MIXTURES AND TABLE(H-I) THIS SHEET) FOR RATES OF SEEDING. ALL LEGUMES (CROWN VETCH, BIRDS FOOT TREFLOIL, AND FLAT PEA) MUST BE INOCULATED WITH THEIR SPECIFIC INOCULANT.
 - WHEN SEEDING AREAS ARE MULCHED, PLANTINGS MAY BE MADE FROM EARLY SPRING TO EARLY OCTOBER. WHEN SEEDING AREAS ARE NOT MULCHED, PLANTINGS SHOULD BE MADE FROM EARLY SPRING TO MAY 20 OR FROM AUGUST 10 TO SEPTEMBER 1.
- MULCH
 - HAY, STRAW, OR OTHER MULCH, WHEN NEEDED, SHOULD BE APPLIED IMMEDIATELY AFTER SEEDING.
 - MULCH WILL BE HELD IN PLACE USING APPROPRIATE TECHNIQUES FROM THE BEST MANAGEMENT PRACTICE FOR MULCHING. HAY OR STRAW MULCH SHALL BE PLACED AT A RATE OF 90 LBS PER 1000 SQ. FT.
- MAINTENANCE TO ESTABLISH A STAND
 - PLANTED AREA SHOULD BE PROTECTED FROM DAMAGE BY FIRE, GRAZING, TRAFFIC, AND DENSE WEED GROWTH.
 - FERTILIZATION NEEDS SHOULD BE DETERMINED BY ONSITE INSPECTIONS. SUPPLEMENTAL FERTILIZER IS USUALLY THE KEY TO FULLY COMPLETE THE ESTABLISHMENT OF THE STAND BECAUSE MOST PERENNIAL STAKE 2 TO 3 YEARS TO BECOME ESTABLISHED.
 - IN WATERWAYS, CHANNELS, OR SWALES WHERE UNIFORM FLOW CONDITIONS ARE ANTICIPATED, OCCASIONAL MOWING MAY BE NECESSARY TO CONTROL GROWTH OF WOODY VEGETATION.

MIXTURE	POUNDS PER ACRE	POUNDS PER 1,000 Sq. Ft.
A. TALL FESCUE	20	0.45
CREeping RED FESCUE	20	0.45
RED TOP	2	0.05
TOTAL	42	0.95
B. TALL FESCUE	15	0.35
CREeping RED FESCUE	10	0.25
CROWN VETCH	15	0.35
OR		
FLAT PEA	30	0.75
TOTAL	40 OR 55	0.95 OR 1.35
C. TALL FESCUE	20	0.45
CREeping RED FESCUE	20	0.45
BIRDS FOOT TREFLOIL	8	0.20
TOTAL	48	1.10
D. TALL FESCUE	20	0.45
FLAT PEA	30	0.75
TOTAL	50	1.20
E. CREeping RED FESCUE	50	1.15
KENTUCKY BLUEGRASS	50	1.15
TOTAL	100	2.30
F. TALL FESCUE 1	150	3.60

1/ FOR HEAVY USE ATHLETIC FIELDS CONSULT THE UNIVERSITY OF NEW HAMPSHIRE COOPERATIVE EXTENSION TURF SPECIALIST FOR CURRENT VARIETIES AND SEEDING RATES.

EROSION & SEDIMENTATION

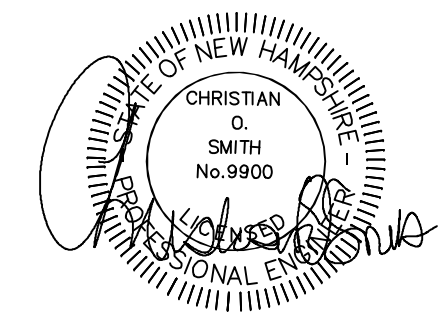
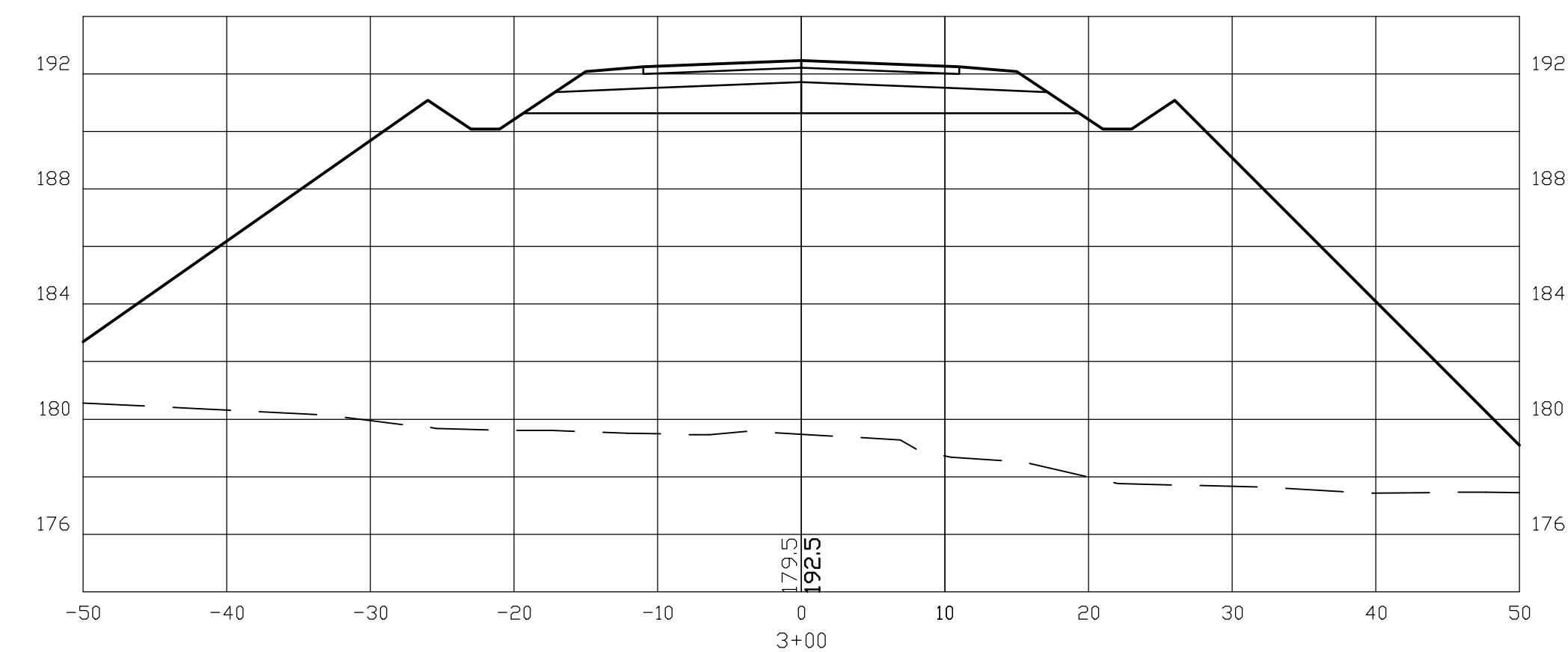
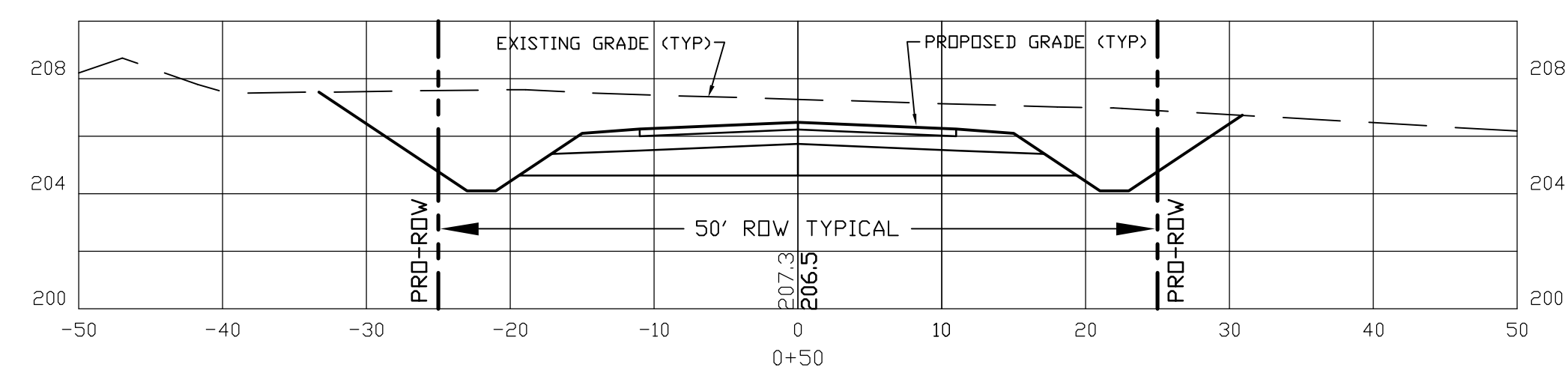
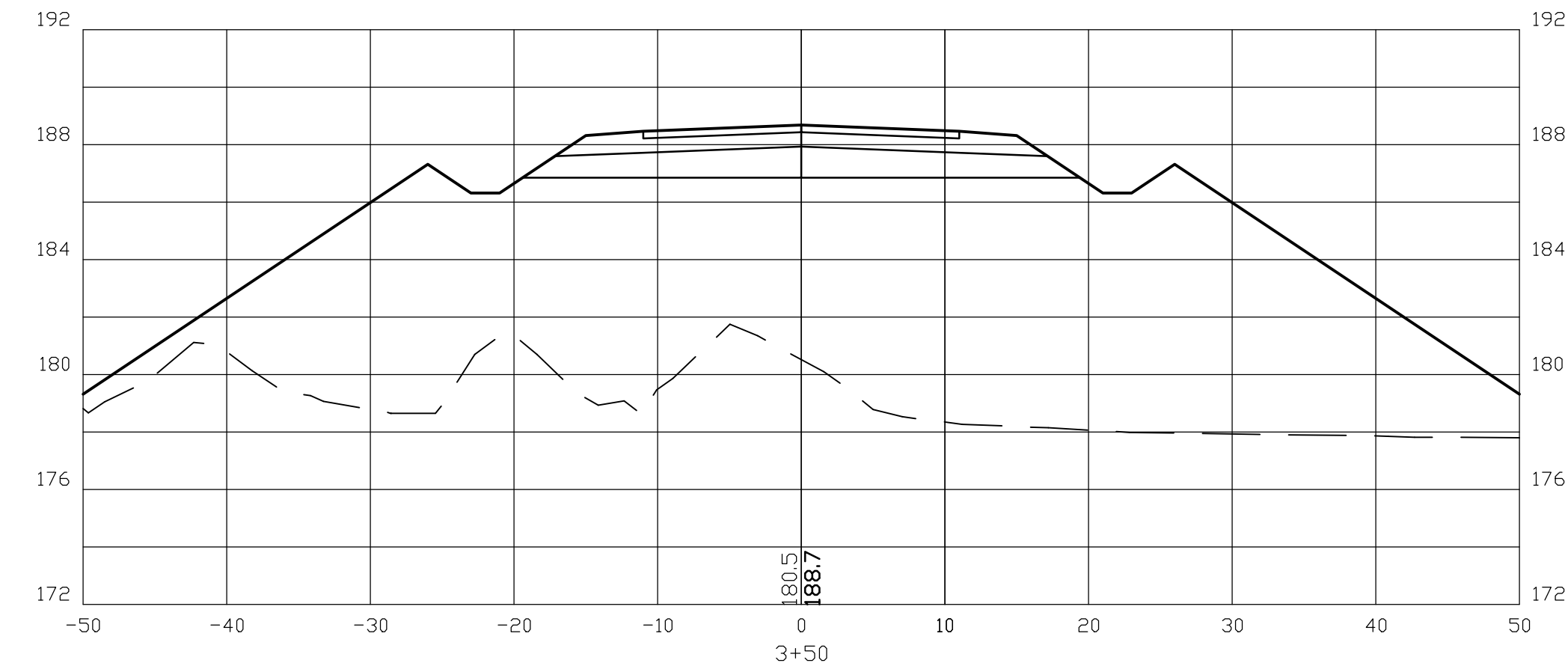
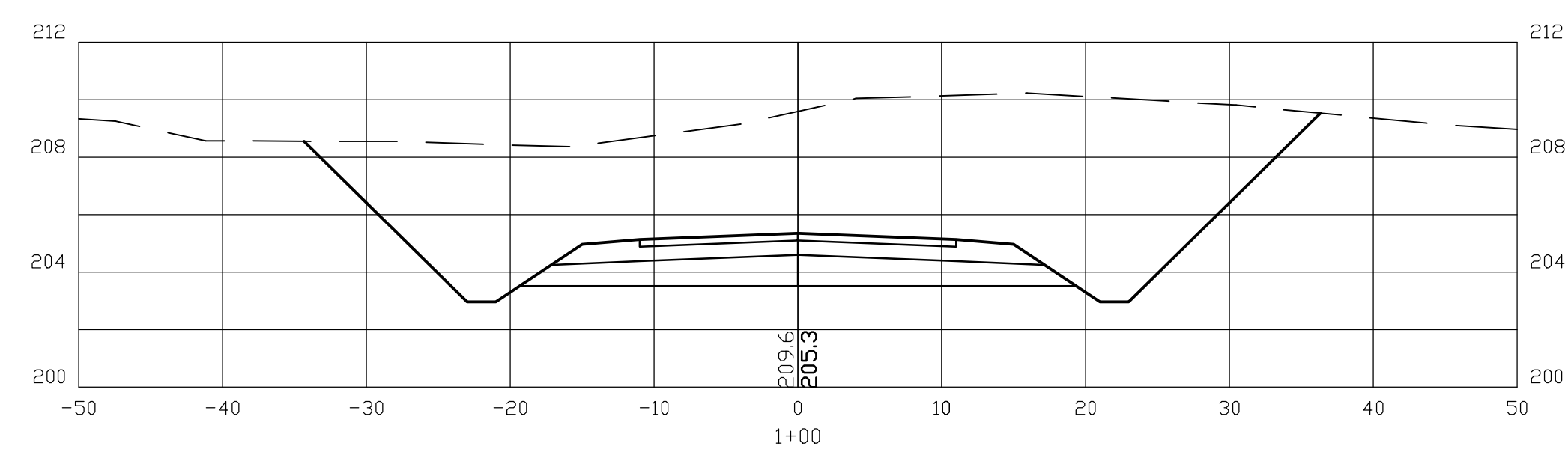
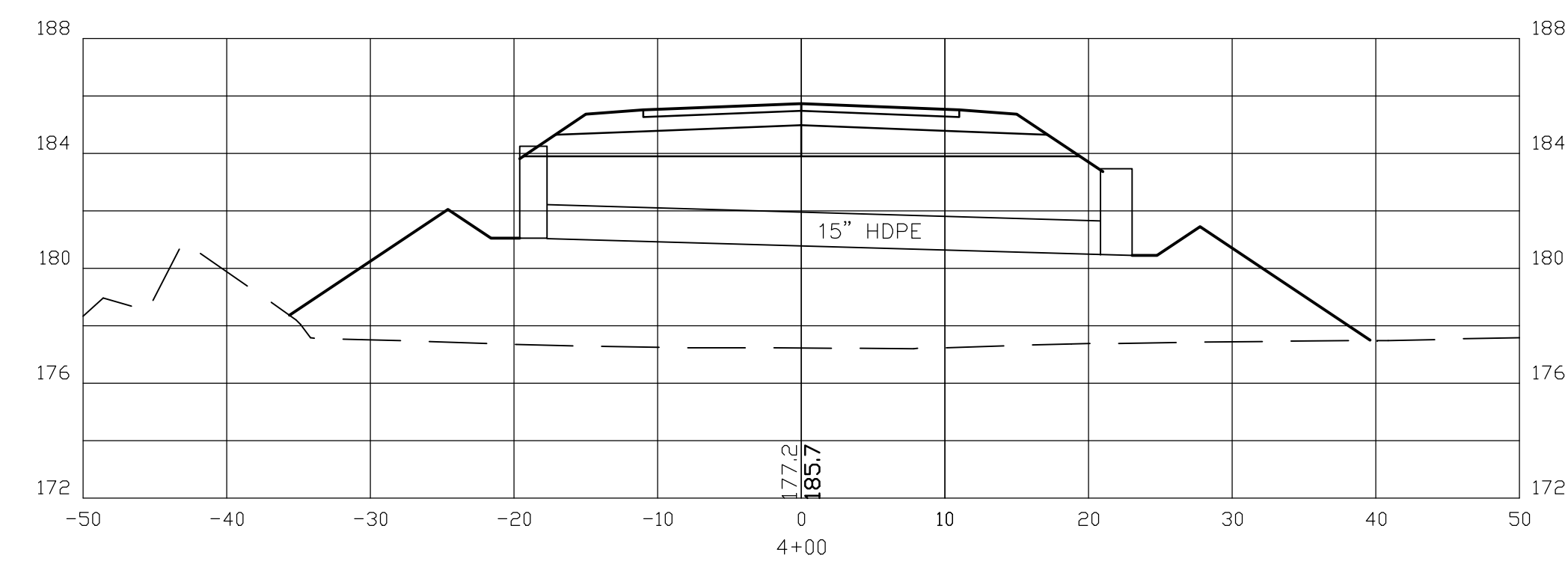
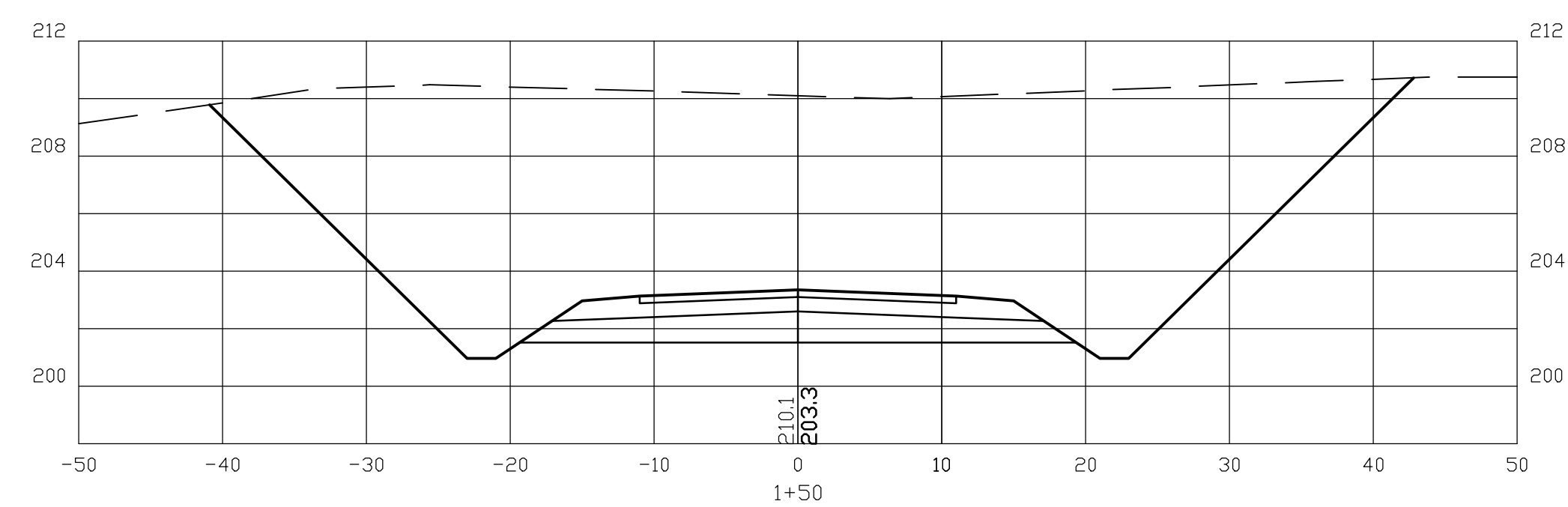
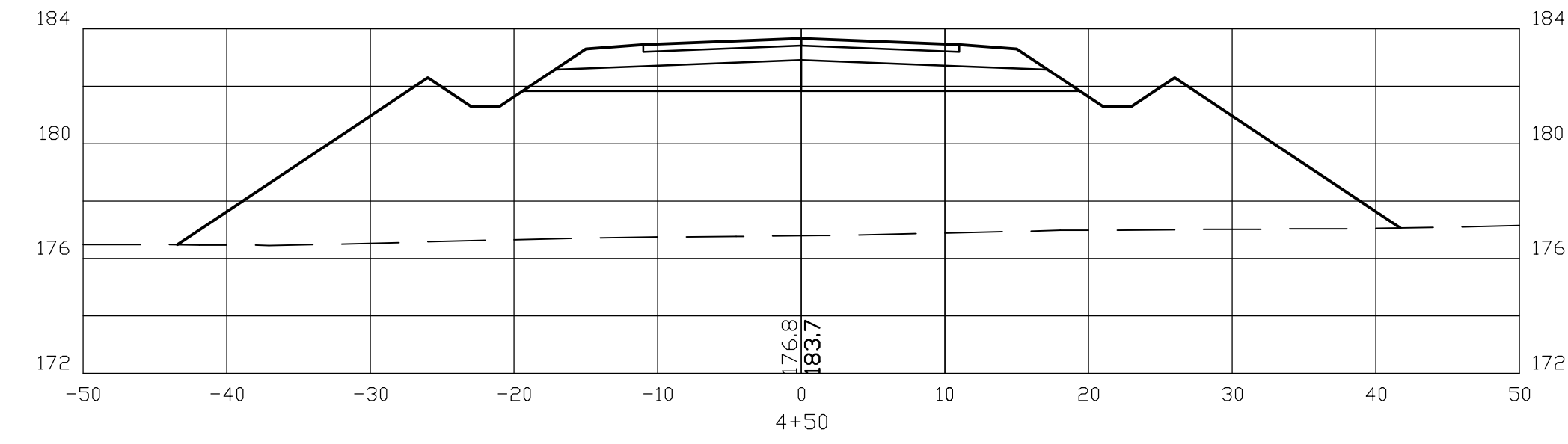
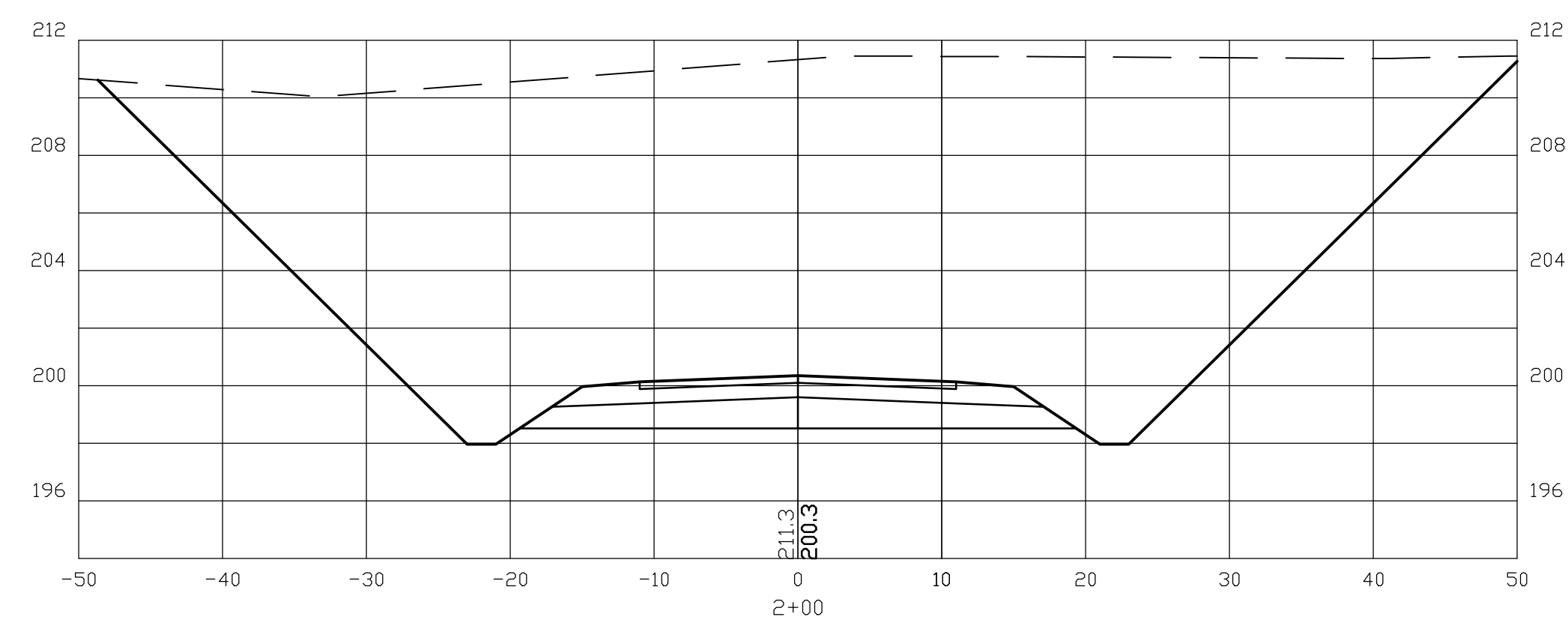
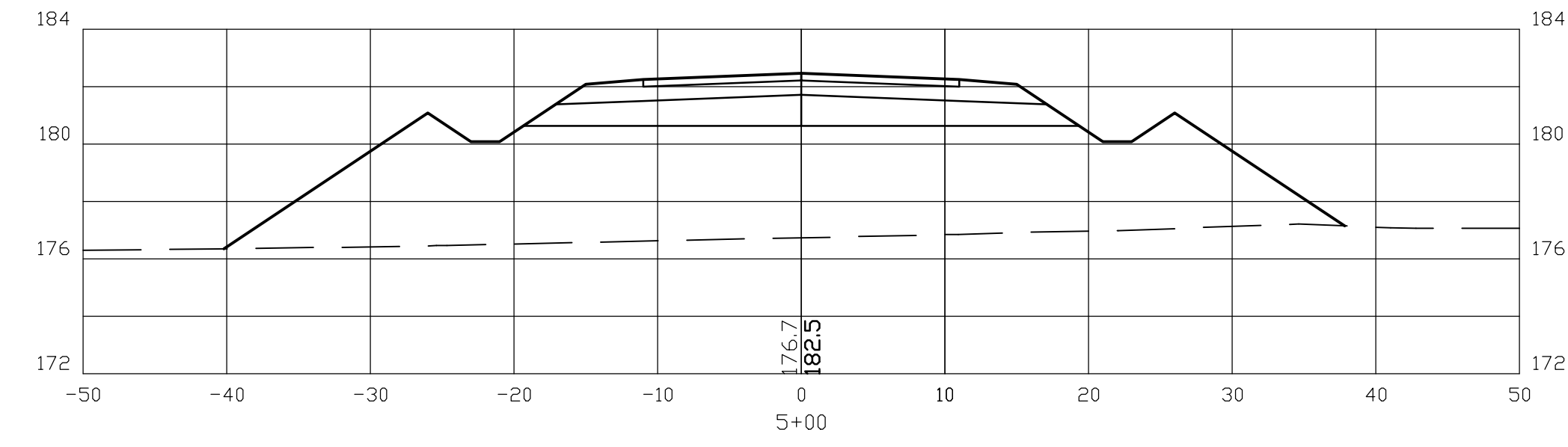
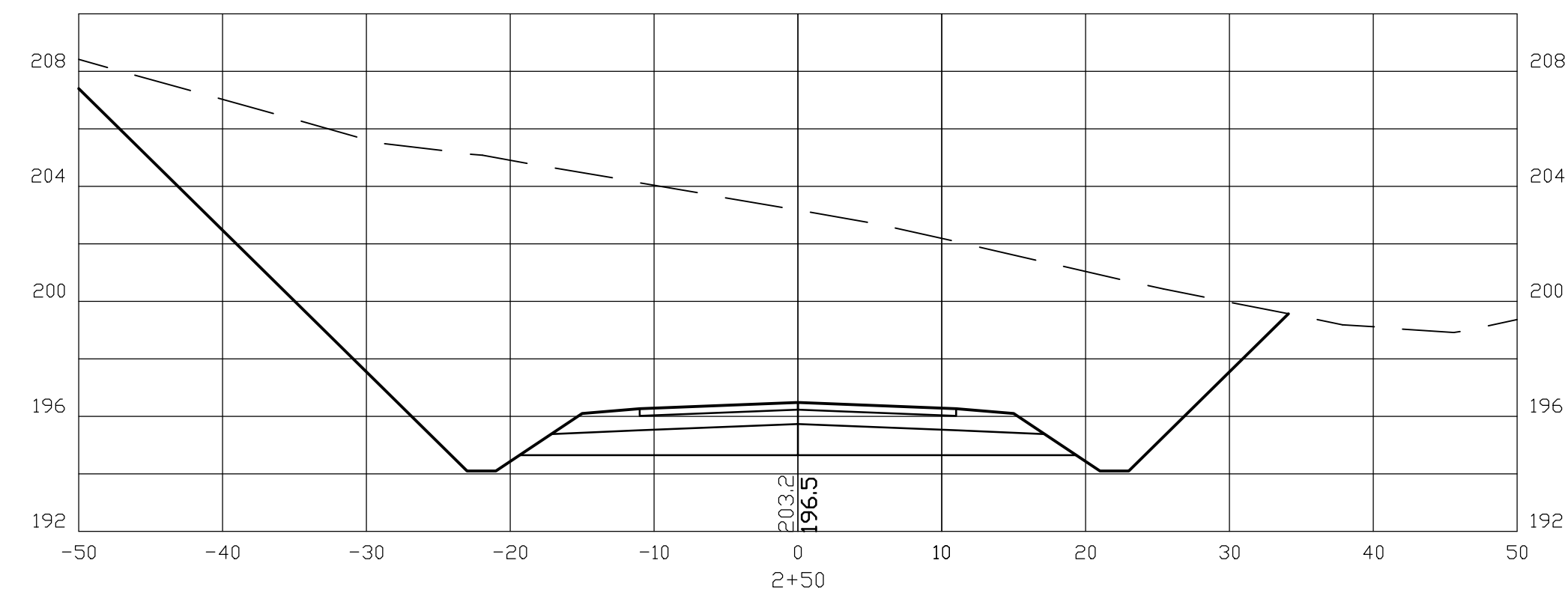
PLAN FOR:
 RESIDENTIAL DEVELOPMENT
 MALLEGO ROAD
 BARRINGTON, NH

DATE:	NOV 2022	SCALE	NTS
PROJ. NO:	NH-1443	SHEET NO.	22

PREPARED FOR:
JOSEPH FALZONE
 7B EMERY LANE
 STRATHAM, N.H. 03885



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 STRATHAM, N.H. 03885
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CROSS SECTION SCALES:
 HORIZONTAL: 1"=10' VERTICAL: 1"=5'

REVISIONS:	DATE:

ROAD CROSS SECTIONS X1

PLAN FOR:
 RESIDENTIAL DEVELOPMENT
 MALLEGO ROAD
 BARRINGTON, NH

DATE:	NOV 2022	SCALE:	1" = 10'
PROJ. NO:	NH-1443	SHT NO.	23

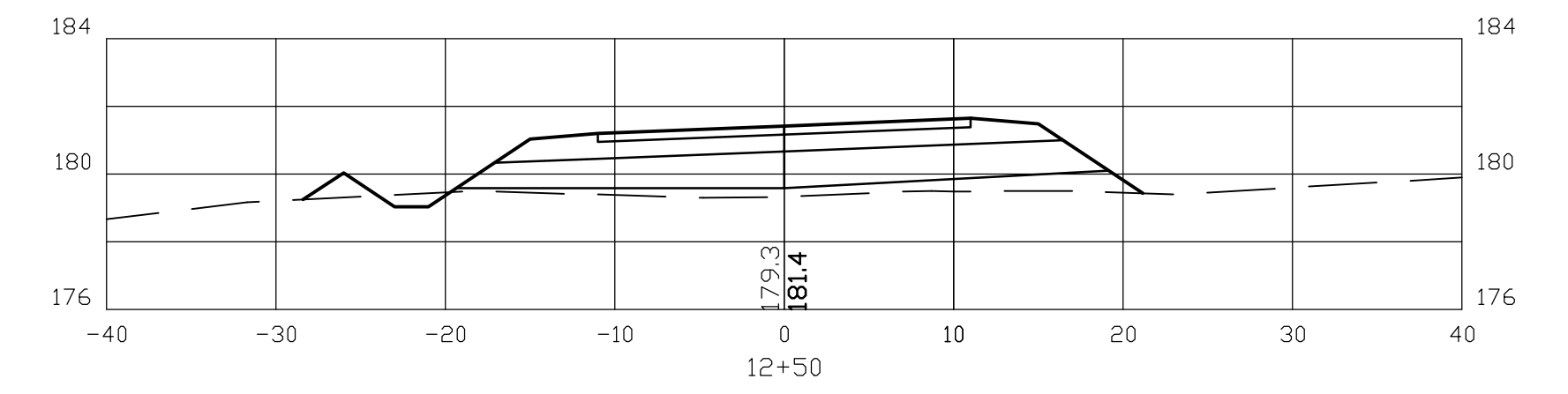
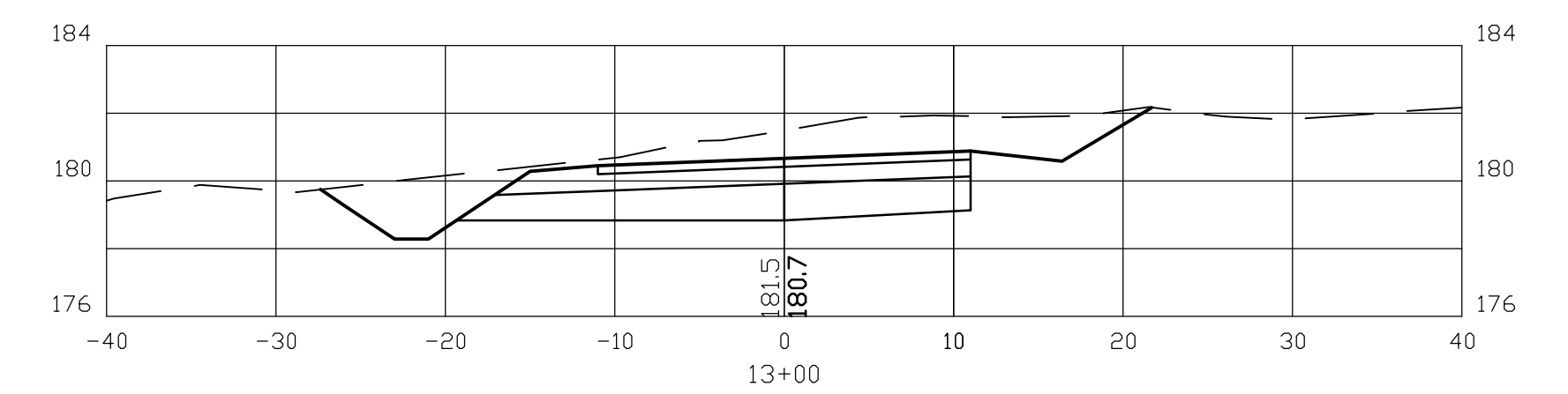
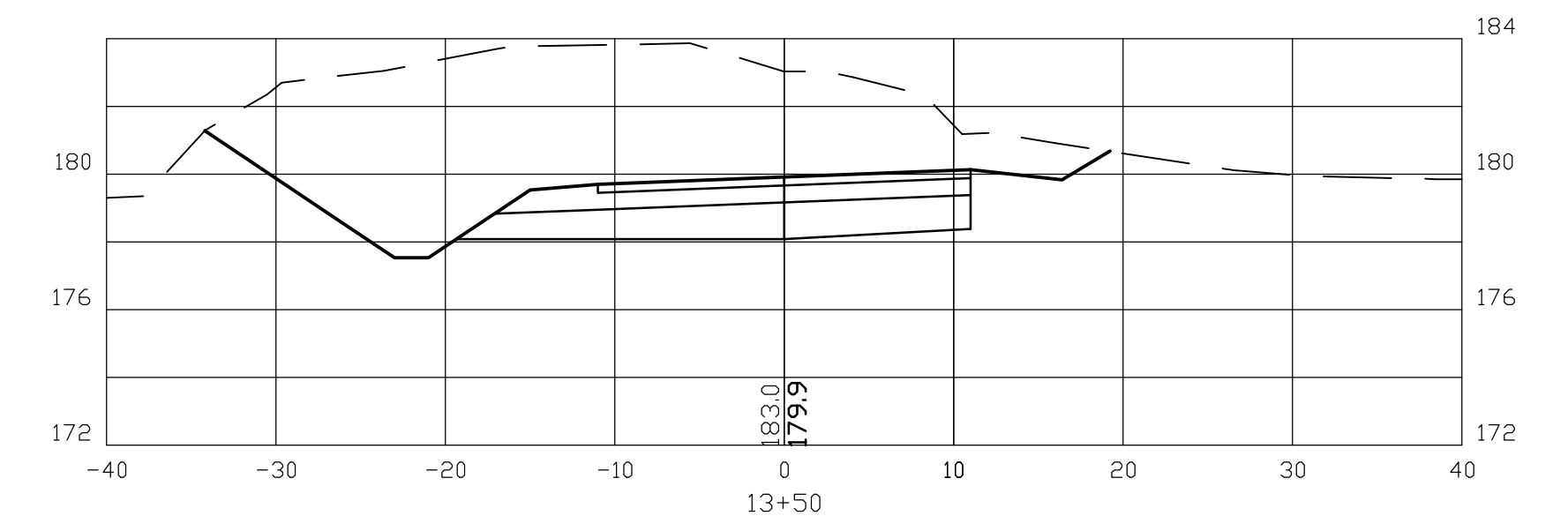
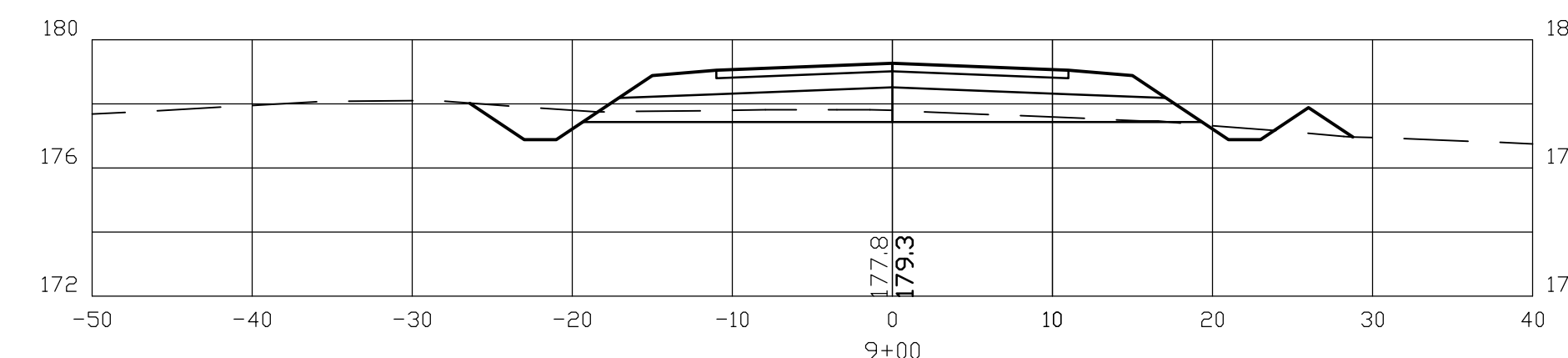
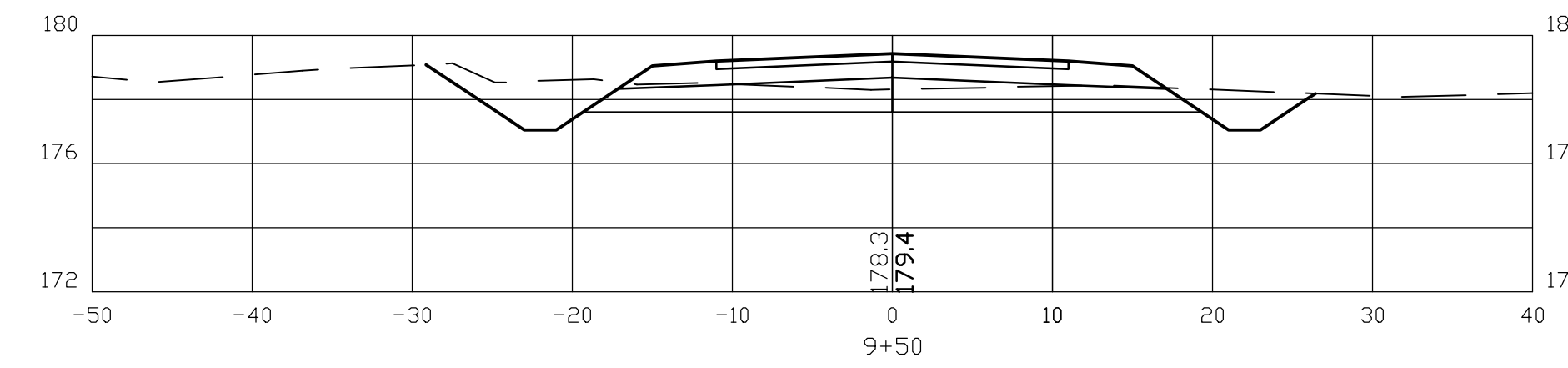
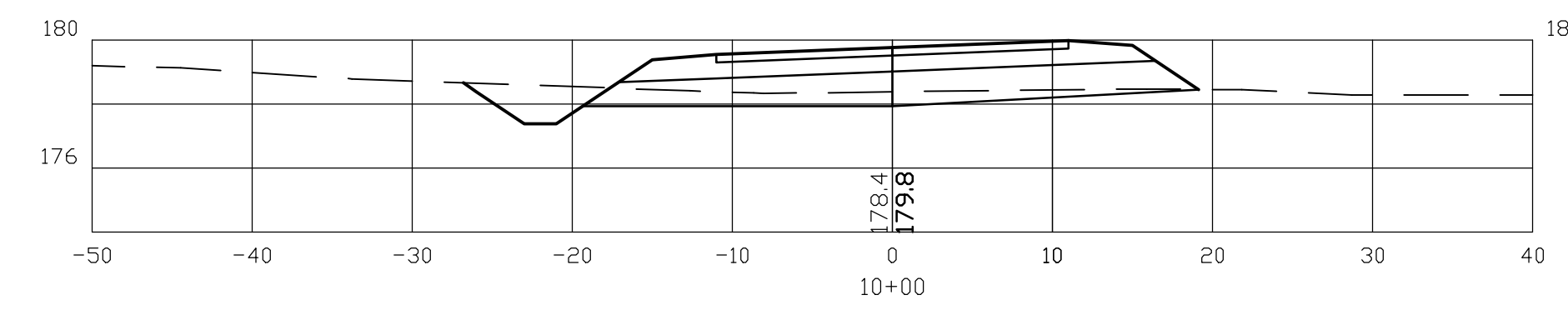
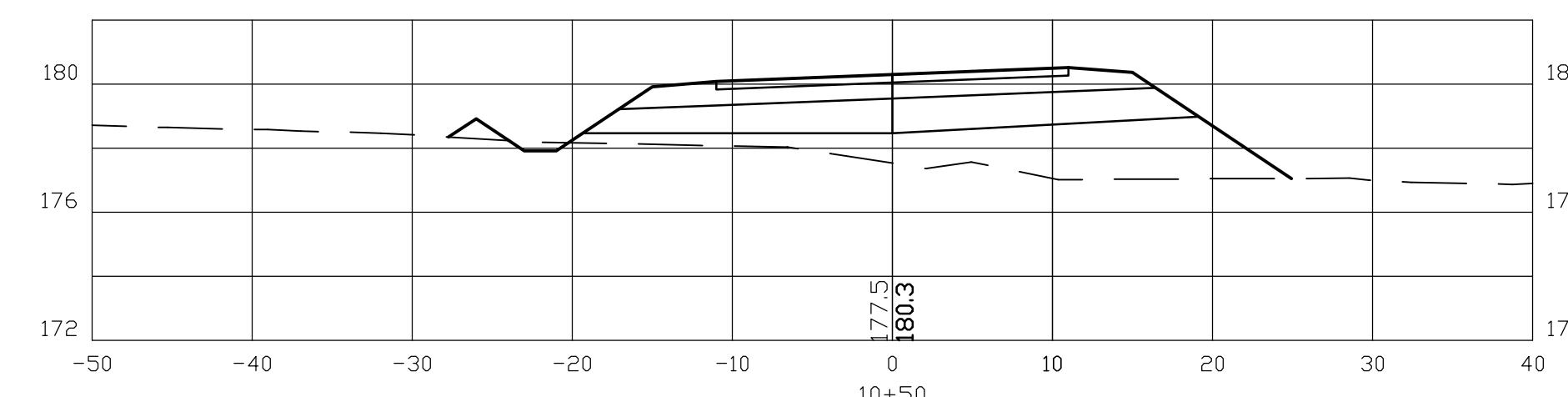
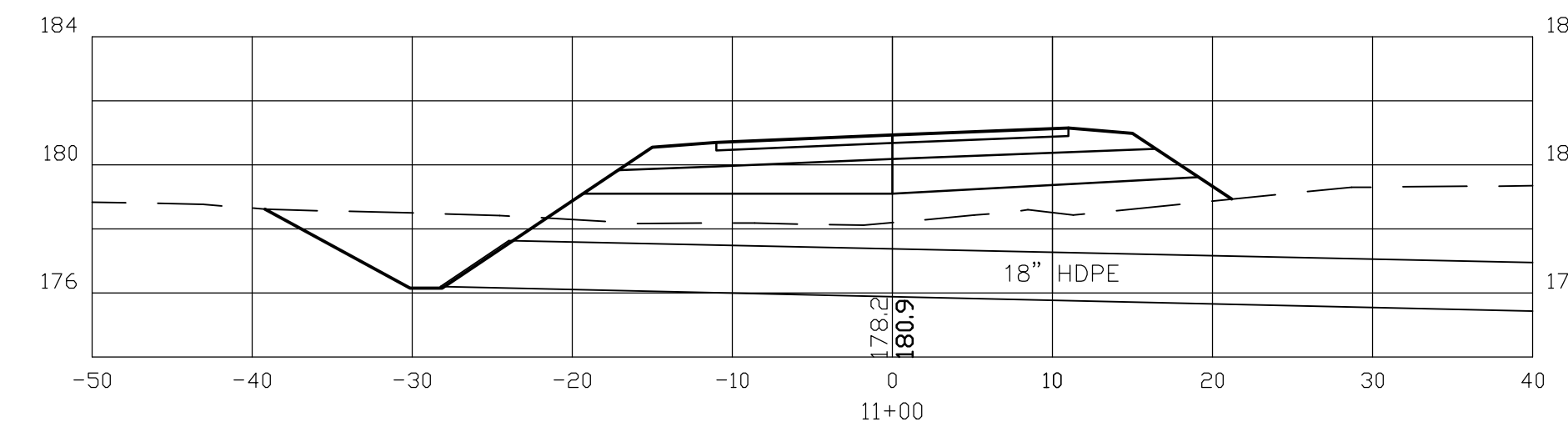
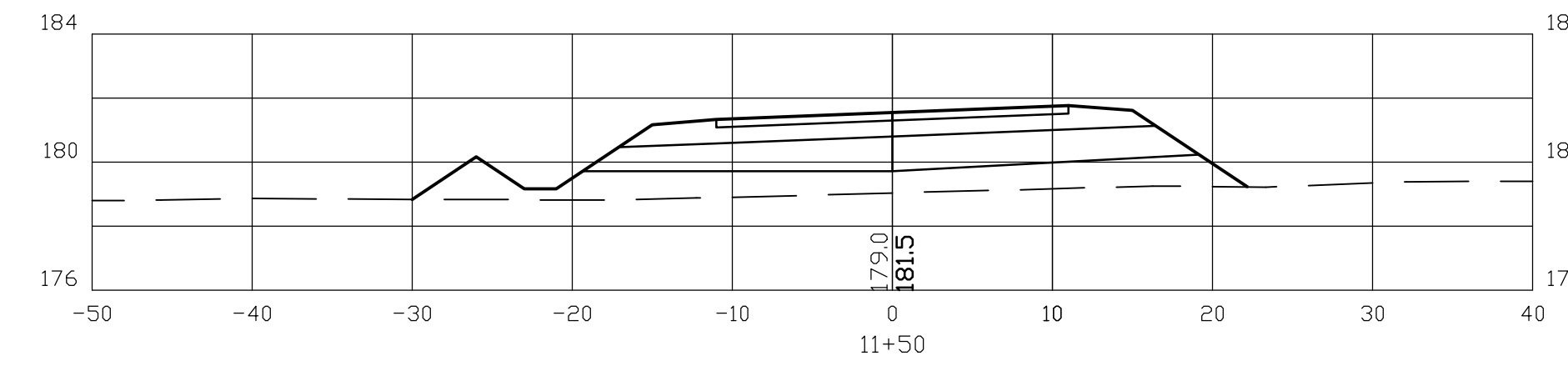
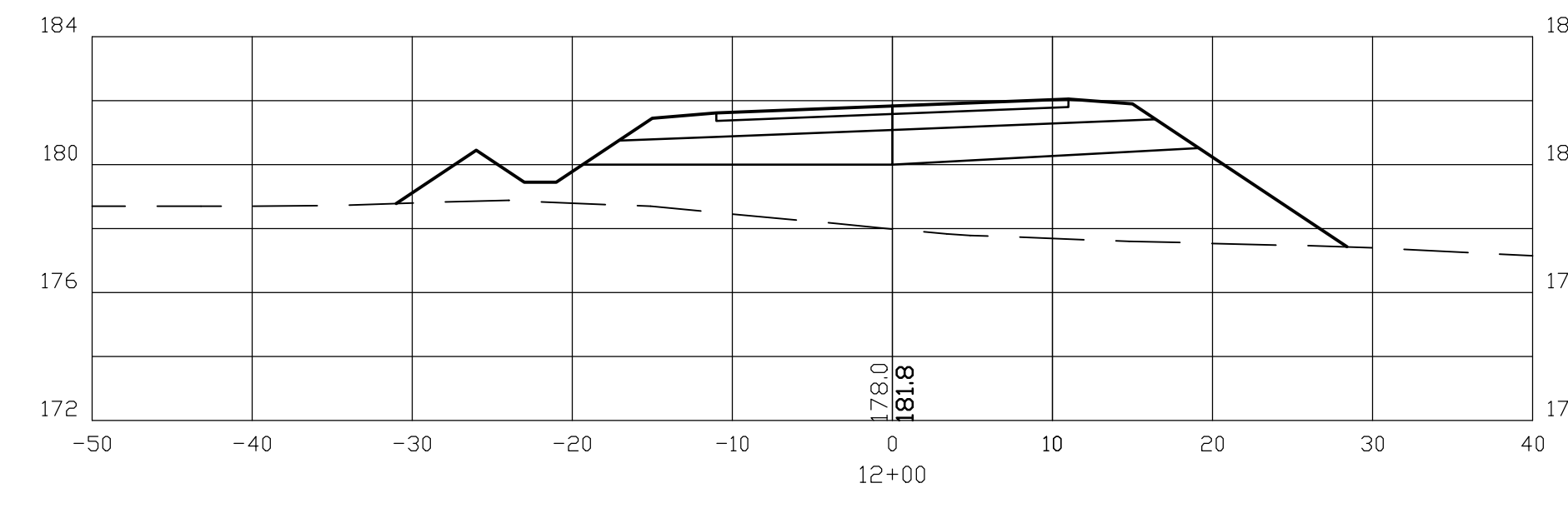
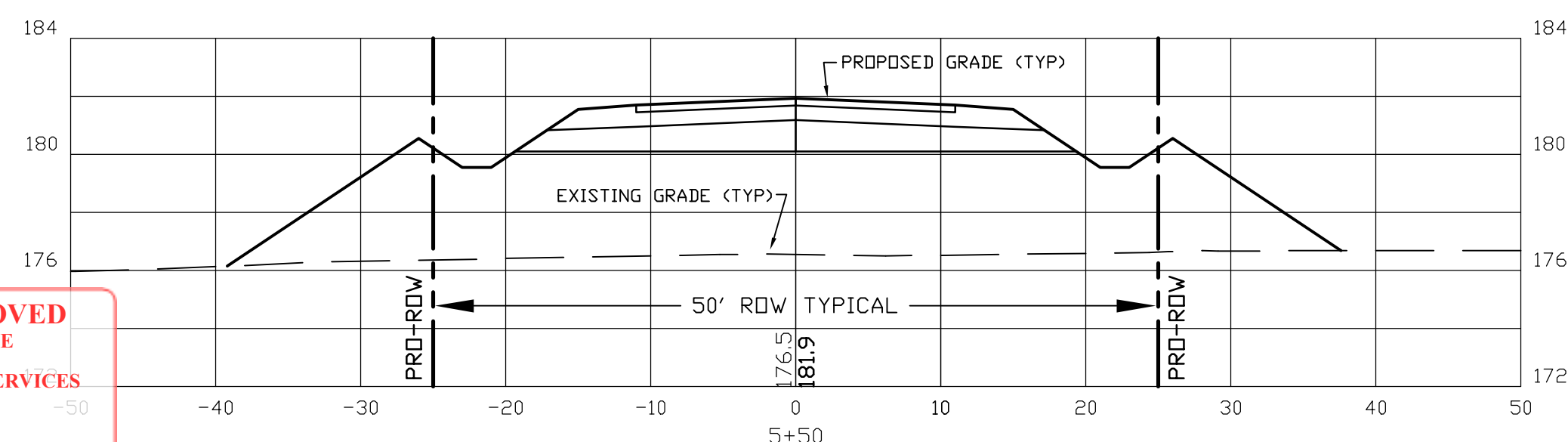
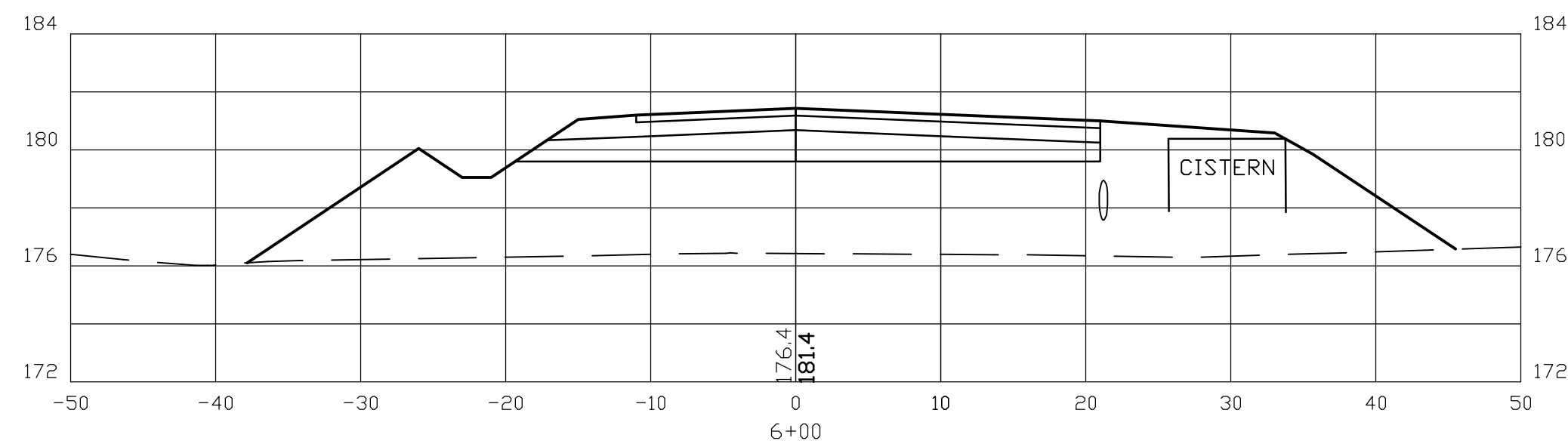
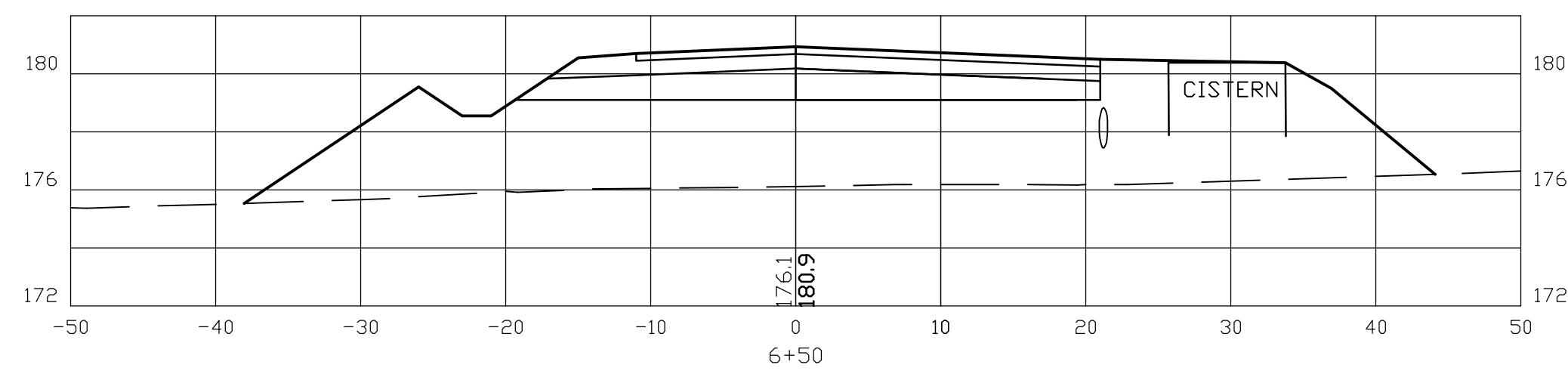
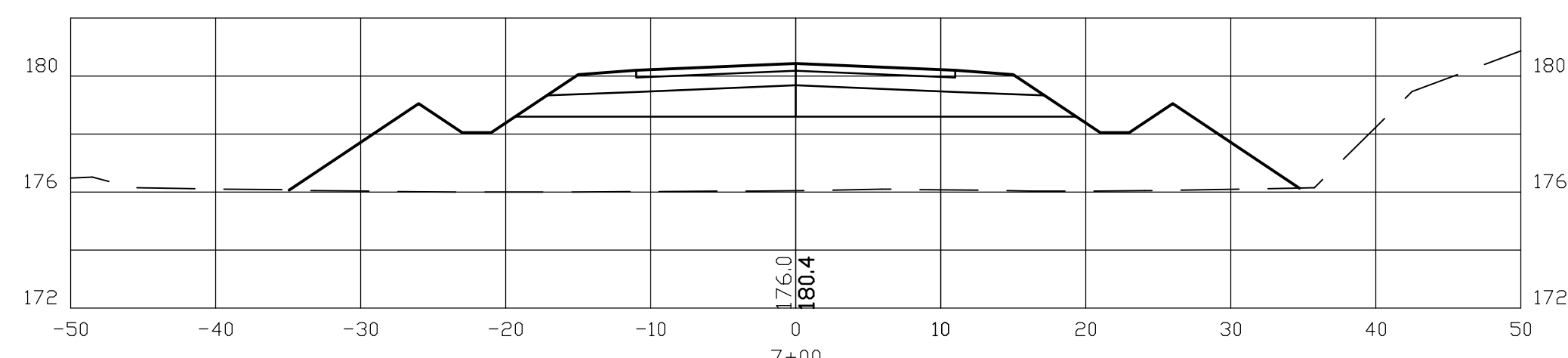
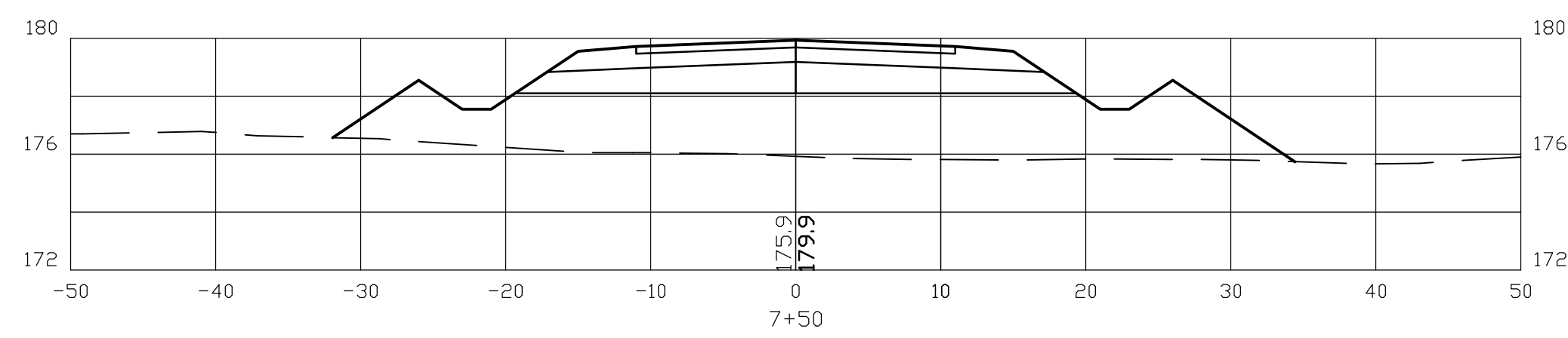
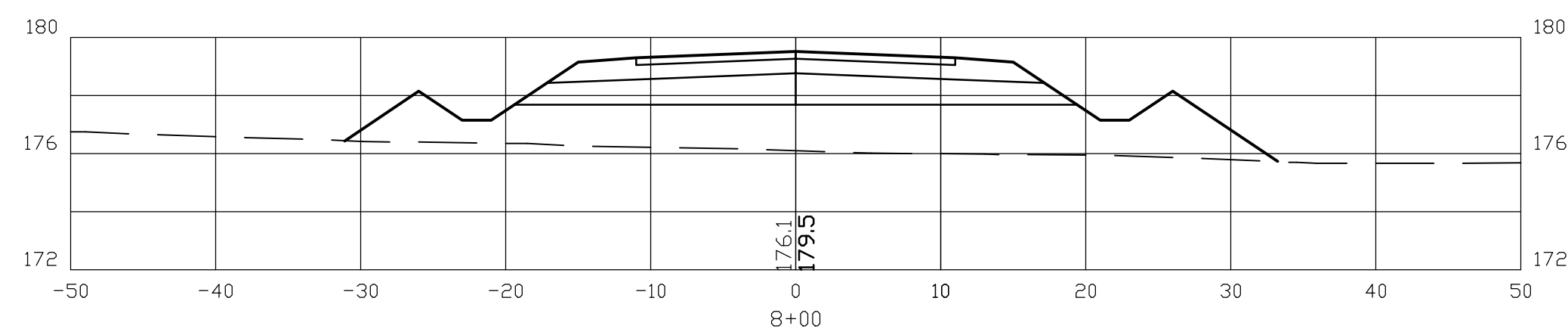
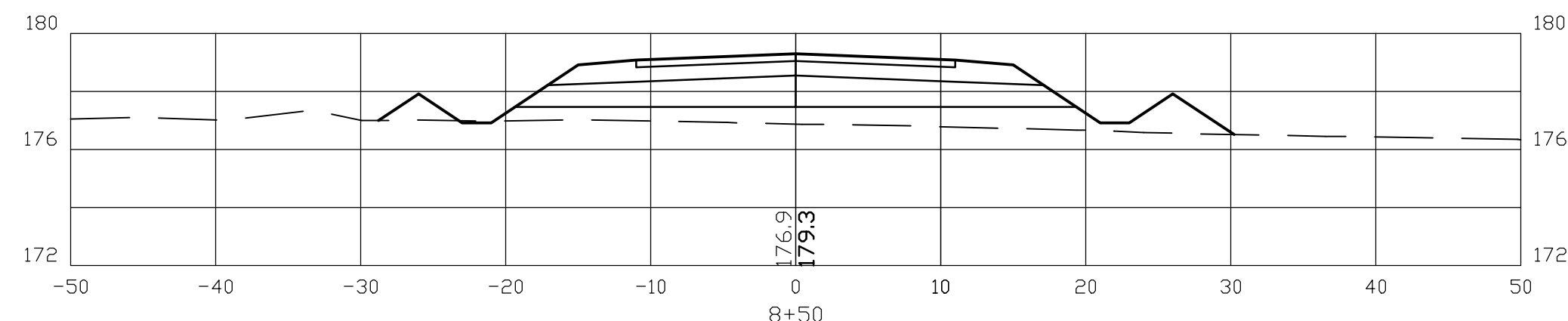
REVIEWED AND APPROVED
 IN ACCORDANCE WITH THE
 REQUIREMENTS OF THE
 NH DEPT OF ENVIRONMENTAL SERVICES
 WATER DIVISION
Eric Thomas
 Date: 6/6/2023
 #eSA202306001

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CROSS SECTION SCALES:
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REVISIONS:	DATE:

ROAD CROSS SECTIONS X2

PLAN FOR:
RESIDENTIAL DEVELOPMENT
MALLEGRO ROAD
BARRINGTON, NH

DATE:	NOV 2022	SCALE:	1" = 10'
PROJ. NO:	NH-1443	SHT NO.	24

REVIEWED AND APPROVED
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REQUIREMENTS OF THE
NH DEPT OF ENVIRONMENTAL SERVICES
WATER DIVISION
Eric Thomas
Date: 6/6/2023
#eSA2023060601

