士16883

PARCEL "A" - LAND N/F NORTH ANDOVER ASSOCIATES (N.A.A.) TO BE

DEEDED TO ESSEX COUNTY GREENBELT ASSOCIATION (E.C.G.A.). PARCEL "B" - LAND N/F E.C.G.A. TO BE RETAINED BY E.C.G.A. PARCEL "C" - LAND N/F E.C.G.A. TO BE DEEDED TO N.A.A. FOR SUBDIVISION. PARCEL "D" - LAND N/F N.A.A. TO BE SUBDIVIDED. PARCEL "E" - LAND N/F GAUDETTE TO BE DEEDED TO N.A.A. FOR SUBDIVISION. PARCEL "F" - LAND N/F N.A.A. TO BE DEEDED TO THE TOWN. PARCEL "G" - LAND N/F N.A.A. TO BE DEEDED TO KOZDRAS FOR RIGHT PARCEL "H" - LAND N/F KOZDRAS TO BE DEEDED TO N.A.A. PARCEL "I" - PORTION OF PARCEL "C" TRANSFER TO BE DEEDED TO ABUTTORS FOR RIGHT OF WAY. PARCEL "A" PARCEL "B" PARCEL "B" FPARCEL "I" PARCEL "E" COVENTRY ESTATES - PHASE I PARCEL"F" PARCEL "C" PARCEL H N. ANDOVER N/F KOZDRAS (TOWN FARM) N/F TYMVAKIEWIZ "BEAR HILL" PLAT DATA RESIDENTIAL 2 MIN. LOT AREA: 43,560 S.F. MIN. FRONTAGE: 150' FRONT YARD 30' SIDE YARD 30' SETBACKS: REAR YARD 30' KEY MAP
SCALE: I' = 600'

INDEX OF DRAWINGS

DESCRIPTION	SHEET NO.
COVER	i
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PLAN & PROFILE	24-36
DETAILS	37 & 38

NOTE:

SHEETS I, IA, AND 2 THROUGH I2 SHALL BE RECORDED IN THE REGISTRY OF DEEDS.

"I DINNIEL & MA. HEREBY CERTIFY THAT THE NOTICE OF APPROVAL OF THIS PLAN BY THE PLANNING BOARD HAS BEEN RECEIVED AND RECORDED AT THIS OFFICE AND NO NOTICE OF APPEAL WAS RECEIVED DURING THE 20 DAYS NEXT AFTER SUCH RECEIPT AND RECORDING OF SAID NOTICE."

TOWN CLERK

OATE OATE

FOR REGISTRY USE

PL # 10883

Begisty of Deels

Month Destrict Easy County

Deceived and recorded

Out 7, 1987 9:484M

See Corn. B2602 9324

APPROVED BY PLANNING BOARD
TOWN OF NORTH ANDOVER, MASS.

DATE DE Lamons

EDWING OF 7 477

I DO HEREBY CERTIFY THAT THESE PLANS HAVE BEEN PREPARED IN CONFORMANCE WITH THE RULES AND REGULATIONS OF THE REGISTERS OF DEEDS AND THAT THE GEOMETRY FOR ALL ROADS AND LOTS CREATED IS CORRECT.

Michael E. GRILLI, P.E. DATE



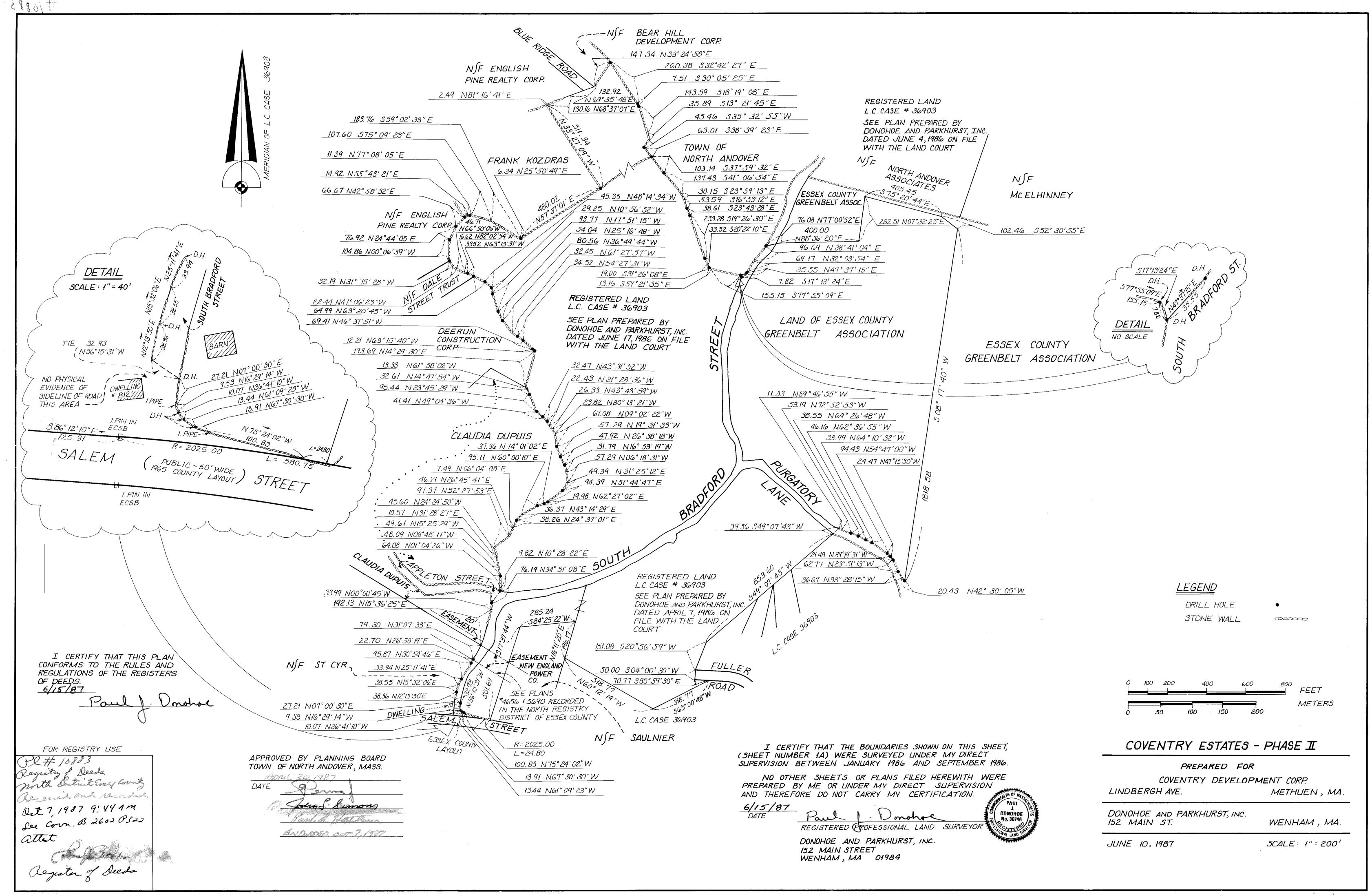
## COVENTRY ESTATES - PHASE II

OWNER & DEVELOPER
COVENTRY DEVELOPMENT CORP.
LINDBERGH AVE. METHUEN, MASS.

BETA INTERNATIONAL INC. CONSULTING ENGINEERS

JULY, 1986 BOSTON, MASS.

REVISED: JULY, 1987



PARCEL"H 51 68 50 70 PARCEL PARK 30+0 -5+0 LANCASTER ROAD -PARCEL "F"--20 19 29 22 PARCEL 47 23 24 25 26 27 43 30 R.O W PARCEL ROAD PARCEL"I DEF. PLAN-6 DEF PLAN-7 42 -PARCEL' SEE SHEET I FOR APPROX. OVERALL PARCEL "B"\_\_\_ SIZE OF PARCEL "A" ) ----DEF. PLAN-9 DEF. PLAN-10 LEGEND STONE WALLS  $\infty$ (E.C.G.A.).

DEFINITIVE PLAN SHEET LAYOUT

FOR REGISTRY USE

Registry of Deeds

North District Enzy County

Oct. 7, 1987 9: 44 Am

See Com B. 2602 P. 322

APPROVED BY PLANNING BOARD

TOWN OF NORTH ANDOVER, MASS.

ENURSED COTTON

DATE

## PLANNING BOARD APPROVAL CONDITIONS

1. The record plans will include all required distances, overall lengths of curves, delta angles, stone bound monuments. Section III, B, 3.

To include, but not limited to, all dimensions, street widths (eg. Bradford Street), land boundaries for land swap with the Essex County Greenbelt, Fuller Road-temporary cul-de-sac, lot 44 is changed on plans and must be changed on locus map, frontage exception lots should be identified as such, include a letter regarding the land swap and reference details which should then be shown on the locus map.

2. Plan sheets will have match lines and all lots will either show completely in total on one sheet, or be clearly matched to a second sheet where necessary or not possible to show the whole lot on one sheet.

3. The applicant shall provide an index sheet for the record plans and for the topographic plans to allow for proper review of continuity. The index sheet shall show all parcels including the land to be "swapped" with the Essex County Greenbelt.

4. The topographic contours shall clearly show existing grades and/or spot elevations, specifically in areas of excavation, filling and wetlands. Spot elevations shall be readable. Lot grading for proposed dwellings shall be shown. Location of existing structures, including fences and walls, and roadways and paths shall be shown on plans. (Section III, B, 5) Existing vs. proposed grading shall be shown clearly, particularily for wetland crossings. Specifically, but not limited to, the crossing on Sheet - Grading Plan 1, on Blue Ridge Road.

The following are issues raised which should be addressed: the flood elevation at Mosquito Brook, the road in part is designed to be overtopped and this should be modified s.t. a 100 year storm will not overtop the road. The discussion indicated that this could be accomplished through raising the road to 139.5. The basin between lot 2 and lot 5 is to be revised as a result of the NACC order of conditions. This detention basin - should show clearly that the water will get to it There was discussion of putting in a double capacity catch basin. there are lines on the map which are unidentified - they have been identified

5. The topographic plans and profiles shall be cross referenced and lots shall be numbered consecutively, and drainage shall be consistent from one plan to the next.

6. Profiles shall show water mains. Rim elevations for sewer will be shown

7. Widths of streets and roadways shall be shown on the record plans, for proposed roadways and existing roadways according to the subdivision rules and regulations. Bench marks shall be shown on profile sheets inaccordance with the rules and regulations

8. The design sketch will supplement and clarify the drainage calculations particularily the correlation between the various watershed boundaries as outlined in the drainage analysis. It shall be clarified where and what the various watersheds are that are called for in the computations as they relate to catch basins, detention ponds or cross drainage and headwalls. The final calculations are to be reviewed by the Planning Board for approval prior to endorsement.

9. The applicant shall provide information regarding Appleton Street particularily the rights and easements to the water main, the sewer line and the drainage which are to be conveyed to the Town. The applicant will provide a letter from the abutters and a letter from the Highway Surveyor granting the applicant the right to improve Appleton Street with respect to the provision of water and sewer to the Town Standards, to the satisfaction of the Planning Board. The applicant shall prepare a document for review by Town Counsel re:maintenance.

10. Sewer pump station easement will be provided as approved by the Department of Public Works. The applicant will install a culvert to carry a 100-year storm.

11. Design plans of concrete headwalls for the wetland crossing of lot 64 will be clarified as to the size and extent of such headwall, plans shall indicate finished grade, invert, profile and detail.

12. The topographic plans indicate a surface water flow from Bear Hill and land of the Town of North Andover which crosses the proposed Blue Ridge Road at station 35+0 and feeds the existing wetlands on lot 66. The proposed subdivision grading would dam that flow and force runoff into a different wetland. The diversion of runoff waters may be detrimental to the existing wetland on lot 66 and thereby will require a seperate

culvert under Blue Ridge Road. 13. The subdivision will have no common driveways without a Special Permit from the Planning Board. All dwellings will be served by their own driveway from that portion of the street which serves as their legal frontage and across their own lot without special permit by the Planning

14. Erosion controls and wetlands replacement sheet shall clearly show all required measures in accordance with the Subdivision Rules and

15. The applicant will provide information to the satisfaction of the Planning Board demonstrating that he has the right to the proposed right of way (ROW) between lots 31 and 32 or to relocate the proposed ROW. Applicant shall provide written assent from abutting property owners as

well as details on construction. (12) 16. The Planning Board recognizes that it will be environmentally correct in the minimizing of the wetland filling and therefore waives the strict compliance with the rules and regulations in maintaining proper sideslopes. The Board will require the applicant to increase the sideslopes in the areas of wetland filling to allow for a 1 to 1 slope provided however that a guard rail of acceptable standards be installed

in those areas where directed by the Division of Public Works. Said guard rail shall be set a proper distance from the gutter line at the top of the slope and provided further that the 1 to 1 side slope shall be rip-rapped for erosion control to the satisfaction of the Division of Public Works. The Plans and profiles shall reflect this condition and shall show complete compliance to the Planning Board's satisfaction. (13)

17. All roadway cross section construction shall conform to the rules and regulations allowing for the section of scenic roadway to be shown accordingly.(13)

18. The plans shall be revised to incorporate detail construction plans for the proper installation of the box culverts at the stream crossings of

Blue Ridge Road at stations 5+0 and 7+40 and the metal arch pipe at station 32+0. The plans shall include, but not be limited to; time and duration of installation, dewatering, base preparation, erosion controls and wing wall construction and will include a seperate scaled topographic plan of the vicinity, showing sufficient detail of the crossing showing existing and proposed elevations and work with borings and peat depth for approval by the Planning Board and the Division of Public Works. (14) The plans should be endorsed by the Division of Public Works prior to endorsement by the Planning Board.

19. All proposed headwalls for brook and stream crossings shall show and detail wing walls for slope protection. (15)

20. Granite curbing shall be provided on both sides of the proposed roadway in all areas where the road grade profile is at a 5% grade or steeper.

21. Catch basins shall be required at all low points in the street grade and at all intersections in accordance with the rules and regulations. Further, catch basins shall not be more than 400 feet from the crest of the hills. Regulation V.H.

22. There shall be no driveway curb cuts constructed in the location of the catch basins or stone bounds. Prior to release of any security, any and all driveways so constructed, whether by the developer and individual owners, shall be removed and reconstructed elsewhere as approved by the Planning Board at the developers expense. This condition shall be placed in the Statutory Covenant.

23. The record and topographic plans as submitted shall indicate on the revised plan, prior to approval, the 100 year flood elevation in each respective area that is subject to flooding in accordance with the rules and regulations. The flood elevations in the retention and detention areas shall be shown.

24. The As-built and Acceptance plans shall be accompanied by a certificate of compliance from a registered professional engineer certifying that the grades on all lots and streets have been established in compliance with the definitive plans and that such grades do not create adverse drainage

25. Developer shall reserve the fee in the roadway from any lot conveyance

patterns onto adjoining lots, streets and/or abutters.

26. A bond in the amount of \$81,600 will be posted for the as-built and

27. All conditions which are not corrected to the satisfaction of the Planning Board prior to endorsement are to be placed on the record plan.

28. No lot or group of lots shall be released from the Statutory convenant until the binder coat of bituminous pavement has been placed to the satisfaction of the Division of Public Works and the certification from the Design Engineer certifies the horozontal and vertical location of the binder coat is in conformance with the approved plans.

29. Lot 28 does not have the required frontage and shall obtain a variance from the Board of Appeals and a waiver from the requirement prior to any release and/or construction on the lot.

31. No lot or group of lots shall be released from the Statutory Covenant until all street utilities have been installed to the satisfaction of the Division of Public Works and further that certification and an as-built plan and profile shall be submitted for approval to the Planning Board indicating that all drainage has been installed in accordance with the approved plans. In the event any drainage has not been installed with the approved plans, the Design Engineer shall substantiate with revised drainage computations that the incorrected installation shall not adversely effect any downstream abutter and/or the overall drainage design of the subdivision to the satisfaction of the Planning Board. The as-built plan and certification shall include all utilities installed within the streets, including but not limited to drainage, sewer, gas, water, telephone, fire, cable and electric and further that all detention basins and off street drainage has been completed satisfactorily.

32. Where guard rails are required, they shall be wooden as per the Highway Surveyors letter of January 12, 1987.

33. The following requirements of the Fire Chief shall be met:

- Street sign at the intersection of Lancaster and South Bradford

- Residential sprinkler system be installed in the residence on lot 18. - No road grades shall exceed 6% grade unless granted a waiver from the Planning Board. No utilities shall be installed which may encourage future road grades exceeding 6 %. - Lot numbers shall be posted during construction.

- Fire hydrants are to be installed at 500 foot intervals. - Prior to taking occupancy the subdivision streets shall provide an adequate access to each residence by having binder coat applied. - All other requests of Fire Chief as per letter dated January 8, 1987.

34. Tree cutting to be no more than 20,000 square feet per lot unless

individual site plans are submitted to the Planning Board for approval. 35. The Planning Board has determined that the proposed Open Space/playground

as shown on the subdivision plans is inadequate for the purposes of recreation since the NACC has determined that no additional filling may be done and the majority of the proposed site is wetland. Due to the nature and size of Coventry I and II, the Planning Board has determined that sufficient Open Space shall be provided for.

36. The applicant shall correct plans in accordance with the conditional approval, and shall submit the revised plans and drainage calculations to the Planning Board along with three (3) sets of marked up plans - red lined - showing all changes made in accordance with the Conditional approval from the set of plans submitted and dated 3-31-87. If the changes lead to additional concerns, they may require additional conditions to meet those concerns.

37. No roadway or lot construction shall take place until the subdivision plans and covenant have been endorsed and recorded at the North Essex Registry of Deeds.

38. Prior to endorsement, the applicant shall submit to the Planning Board for its approval an appropriate plan for phasing the construction of the

Note: All conditions apply to the set of plans dated March 31, 1987.

PARCEL "E" - LAND N/F GAUDETTE TO BE DEEDED TO N.A.A. FOR PERMANENT UTILITY OR DRAINAGE EASEMENT LINE

DRILL HOLE

PROPOSED GRANITE BOUND

PERIMETER OF SUBDIVISION

LIMIT OF NO-CUT ZONE

LIMIT OF NO-CONSTRUCTION ZONE

LIMIT OF WETLANDS

PROPERTY LINE

IRON PIN

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PARCEL "A" - LAND N/F NORTH ANDOVER ASSOCIATES (N.A.A.) TO BE DEEDED TO ESSEX COUNTY GREENBELT ASSOCIATION

PARCEL "B" - LAND N/F E.C.G.A. TO BE RETAINED BY E.C.G.A.

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PARCEL "H" - LAND N/F KOZDRAS TO BE DEEDED TO N.A.A.

PARCEL "I" - PORTION OF PARCEL "C" TRANSFER TO BE DEEDED TO ABUTTORS FOR RIGHT OF WAY.

PLAN INDEX SHEET

## COVENTRY ESTATES-PHASE II

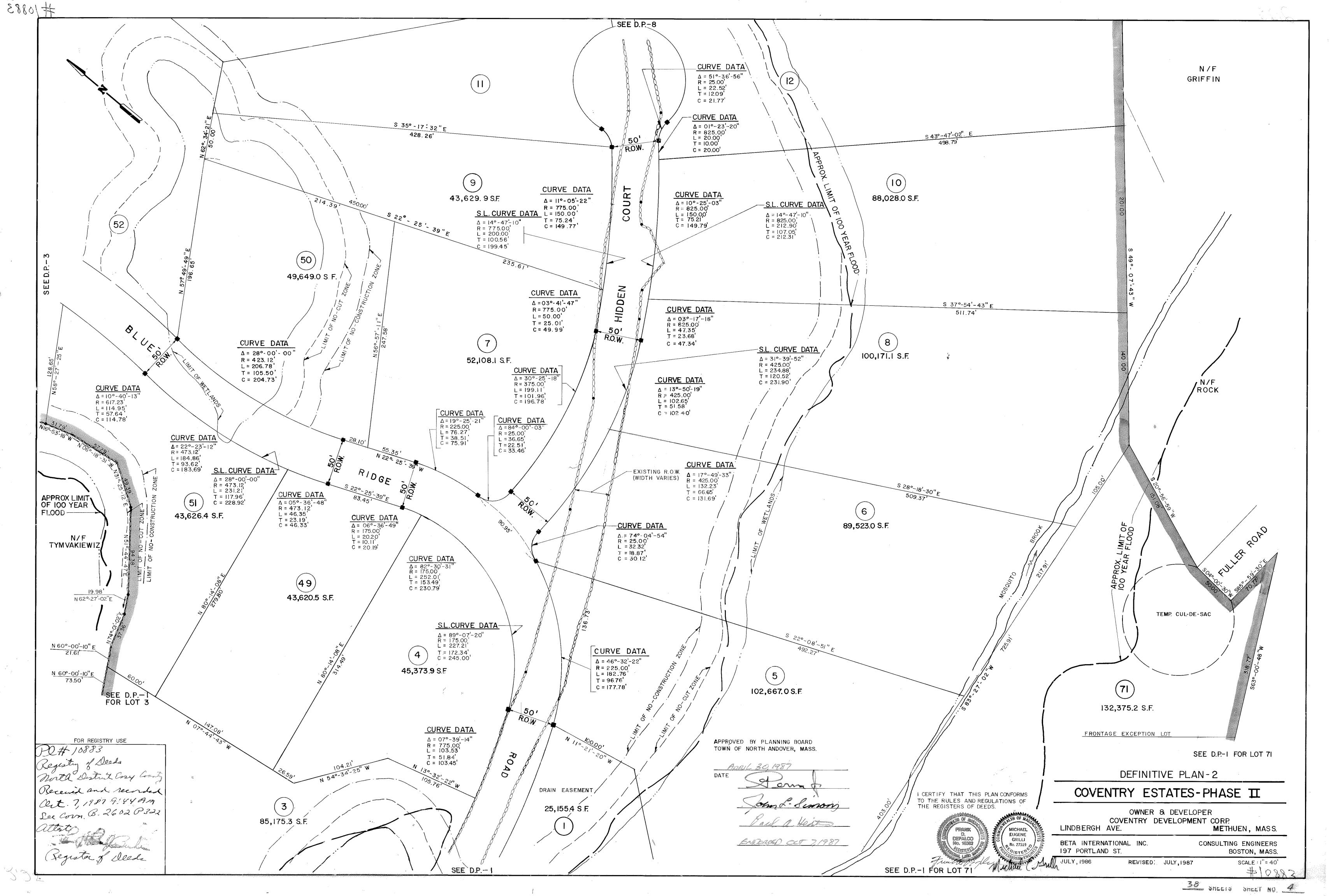
OWNER & DEVELOPER COVENTRY DEVELOPMENT CORP.

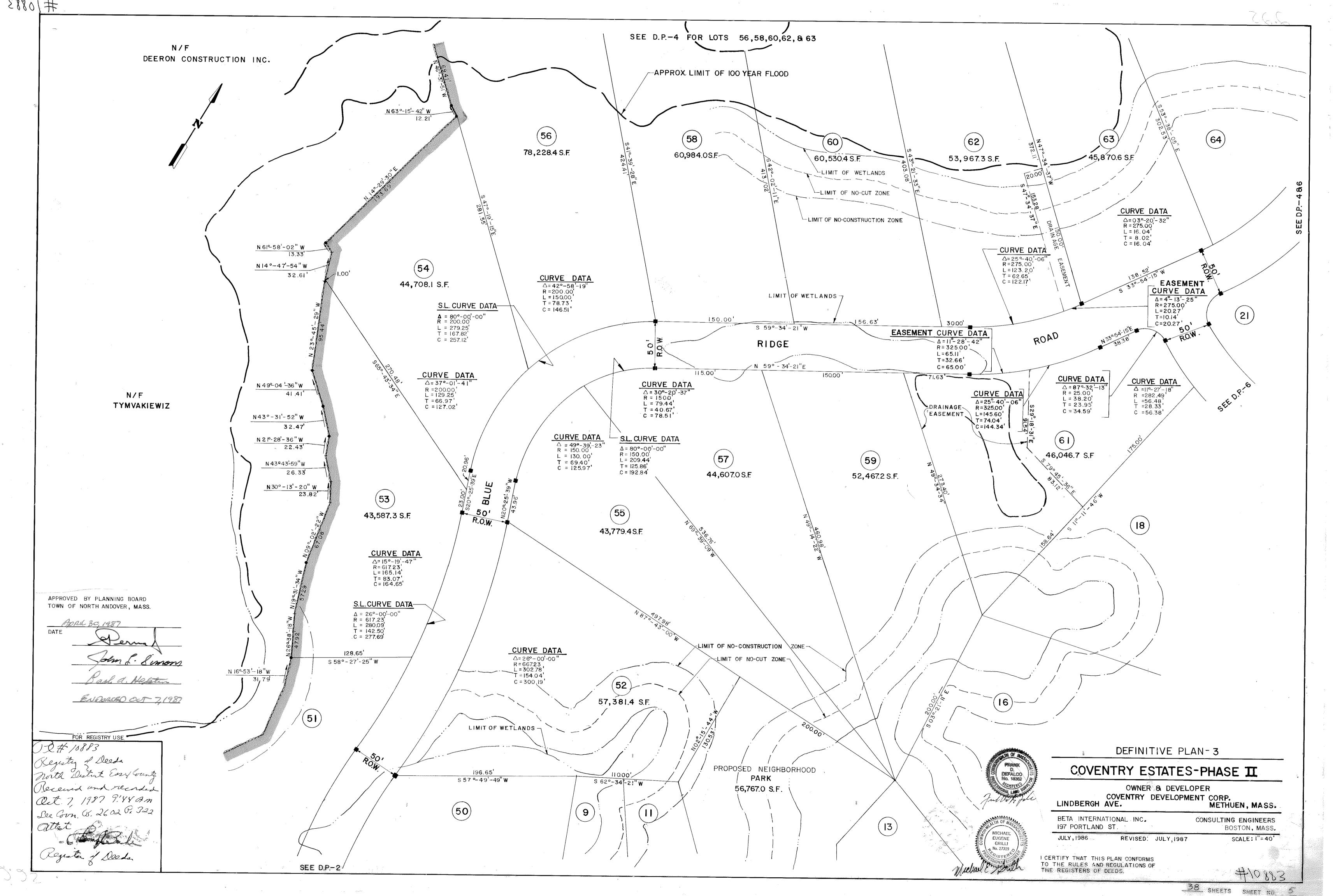
LINDBERGH AVE. BETA INTERNATIONAL INC.

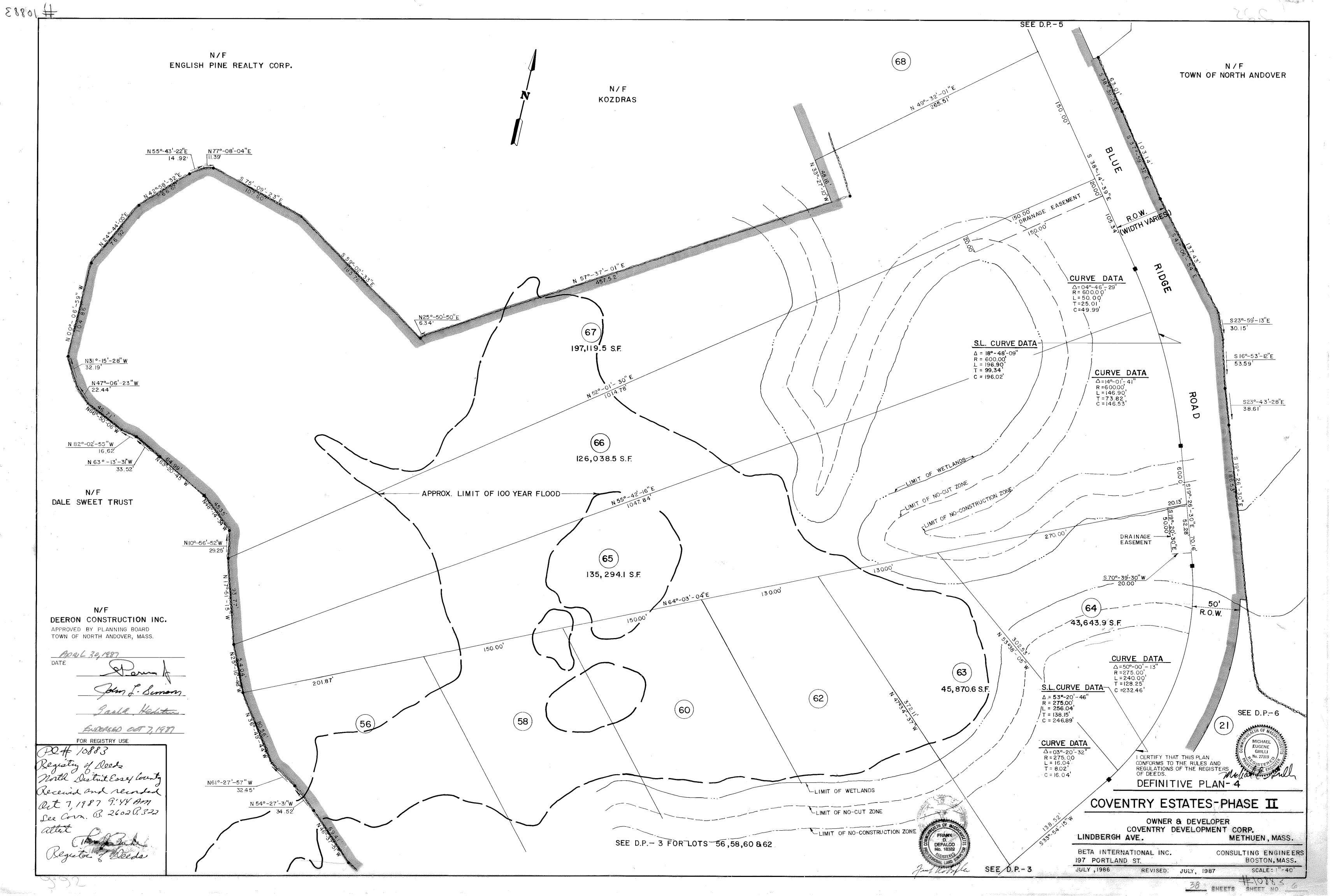
METHUEN, MASS.

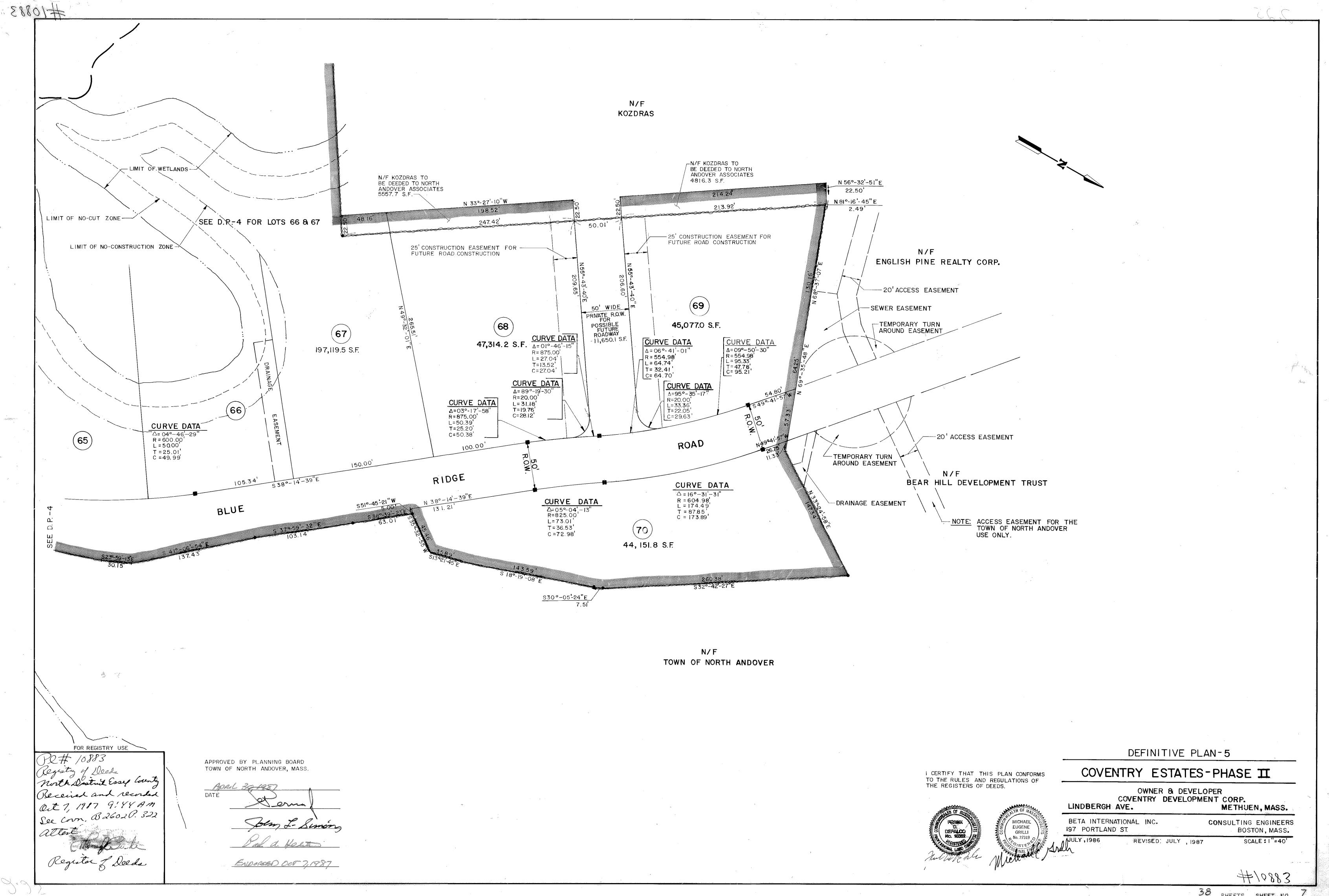
197 PORTLAND ST. REVISED: JULY,1987 CONSULTING ENGINEERS BOSTON, MASS. SCALE: |" = 200

38 WARETS WEET NO.









38 SHEETS SHEET NO. 7

