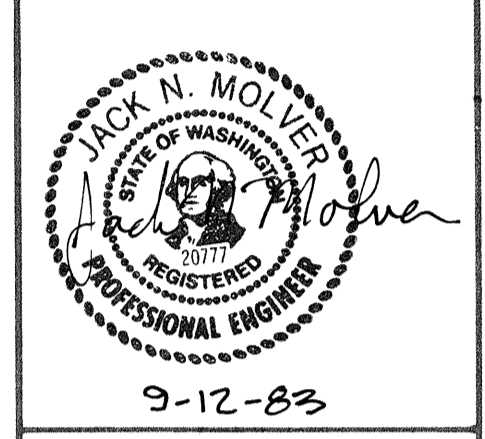


KEGEL & ASSOCIATES INC.
LAND PLANNING ENGINEERING & SURVEYING
 9800 EVERGREEN WAY
 EVERETT, WA. 98204
 Ph. (206) 353-1119
 SEATTLE LINE: 775-5424

DRAWN BY: TLK DATE: 9-12-83
 CHECKED BY: J.N.M. DATE: 9-12-83
 PROJECT MANAGER: JACK N. MOLIER

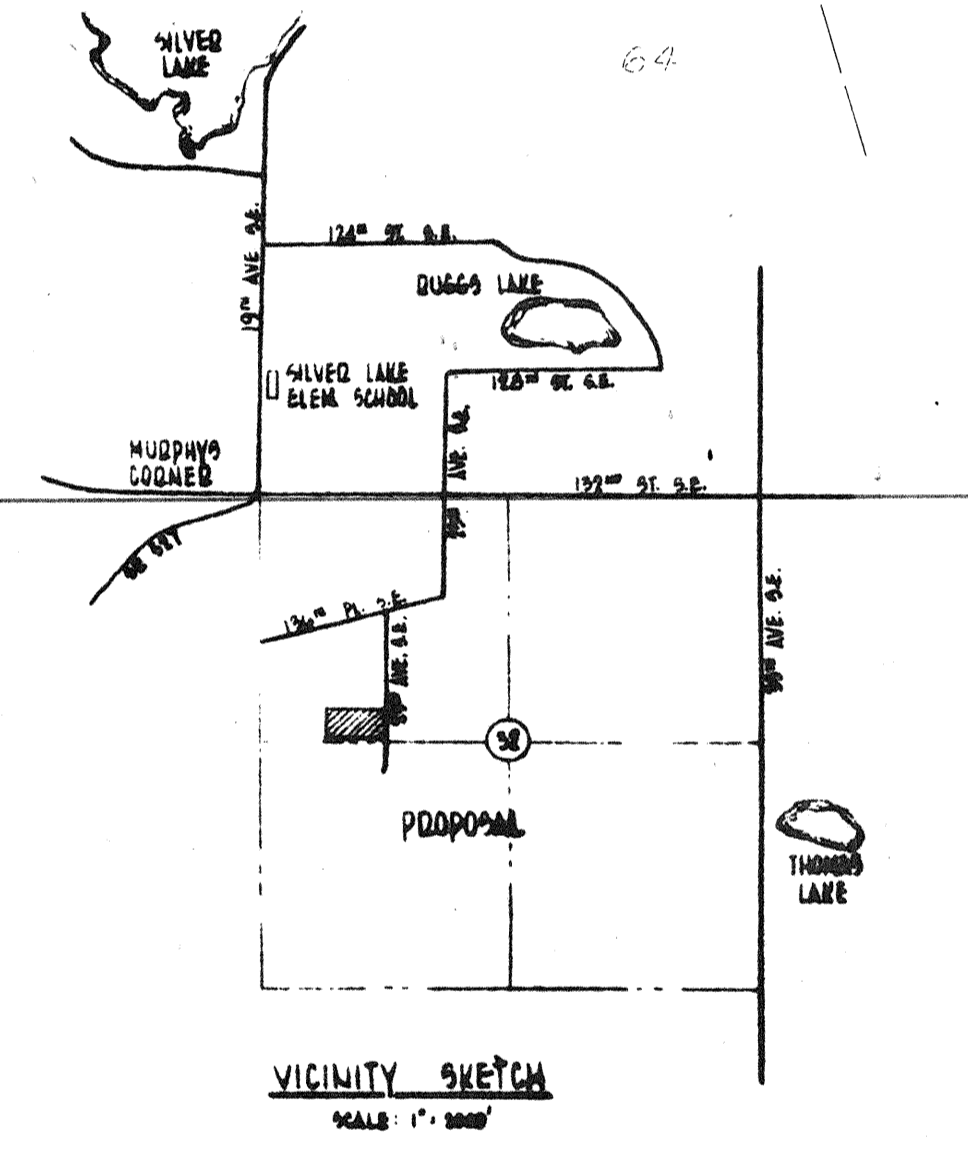
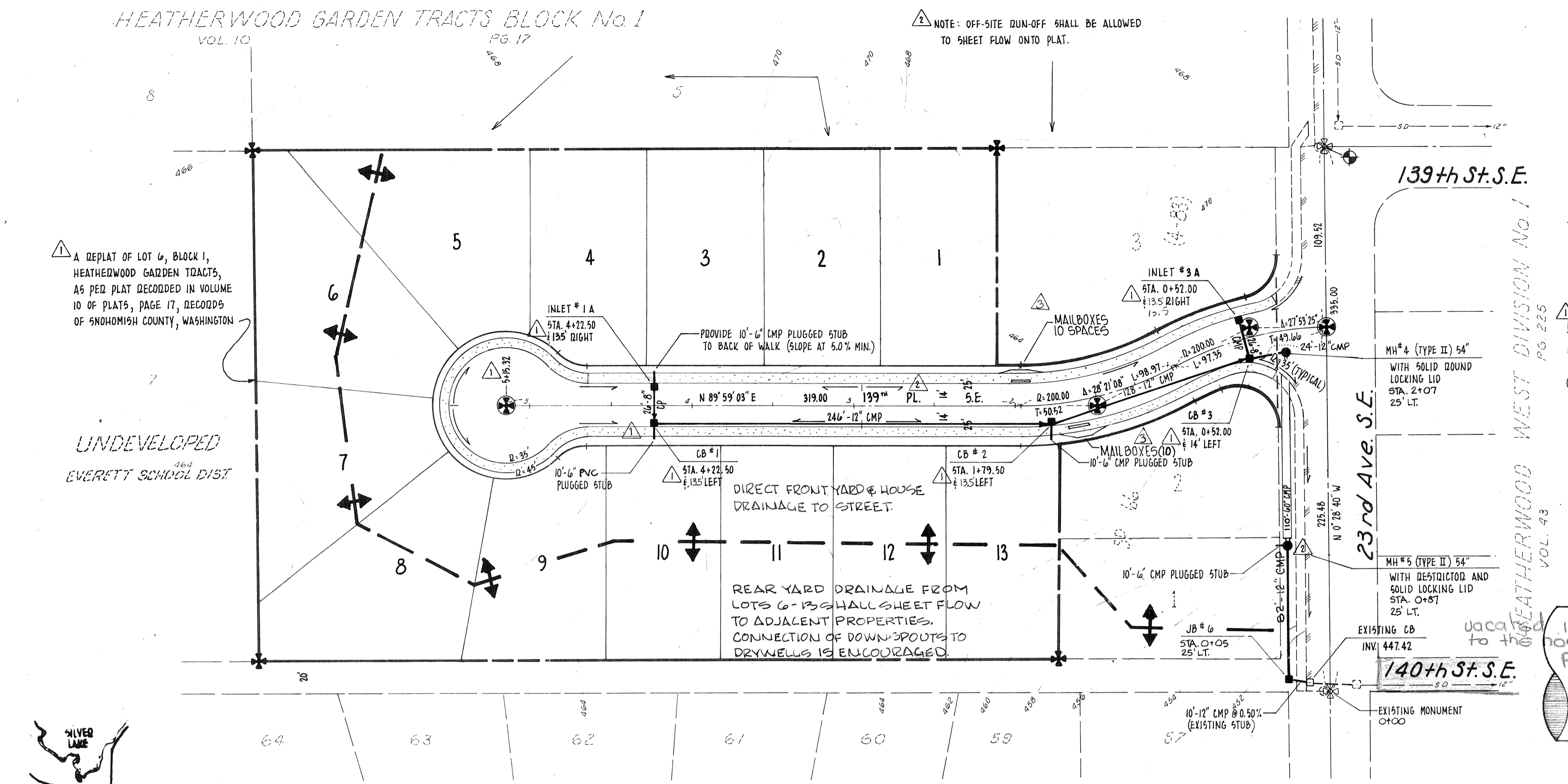


REVISIONS
 PER SNOHOMISH COUNTY 10-19-83 TLK
 PER SNOHOMISH COUNTY 11-4-83 J.N.M.
 PER COUNTY 12-8-83 J.N.M.

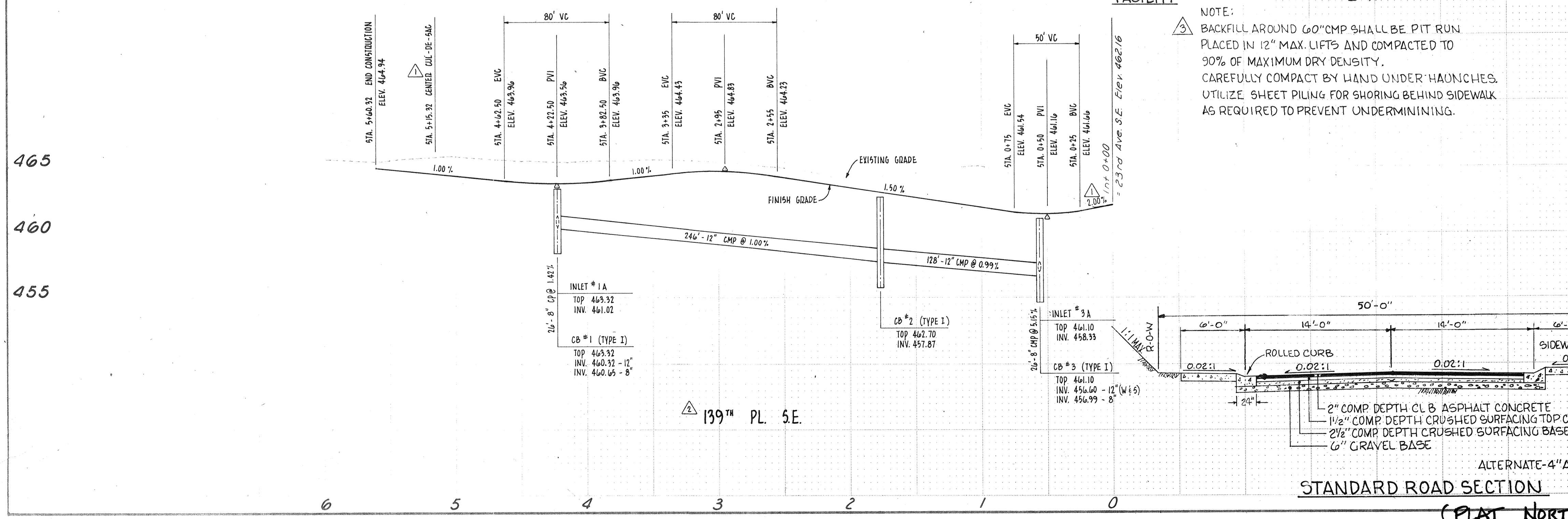
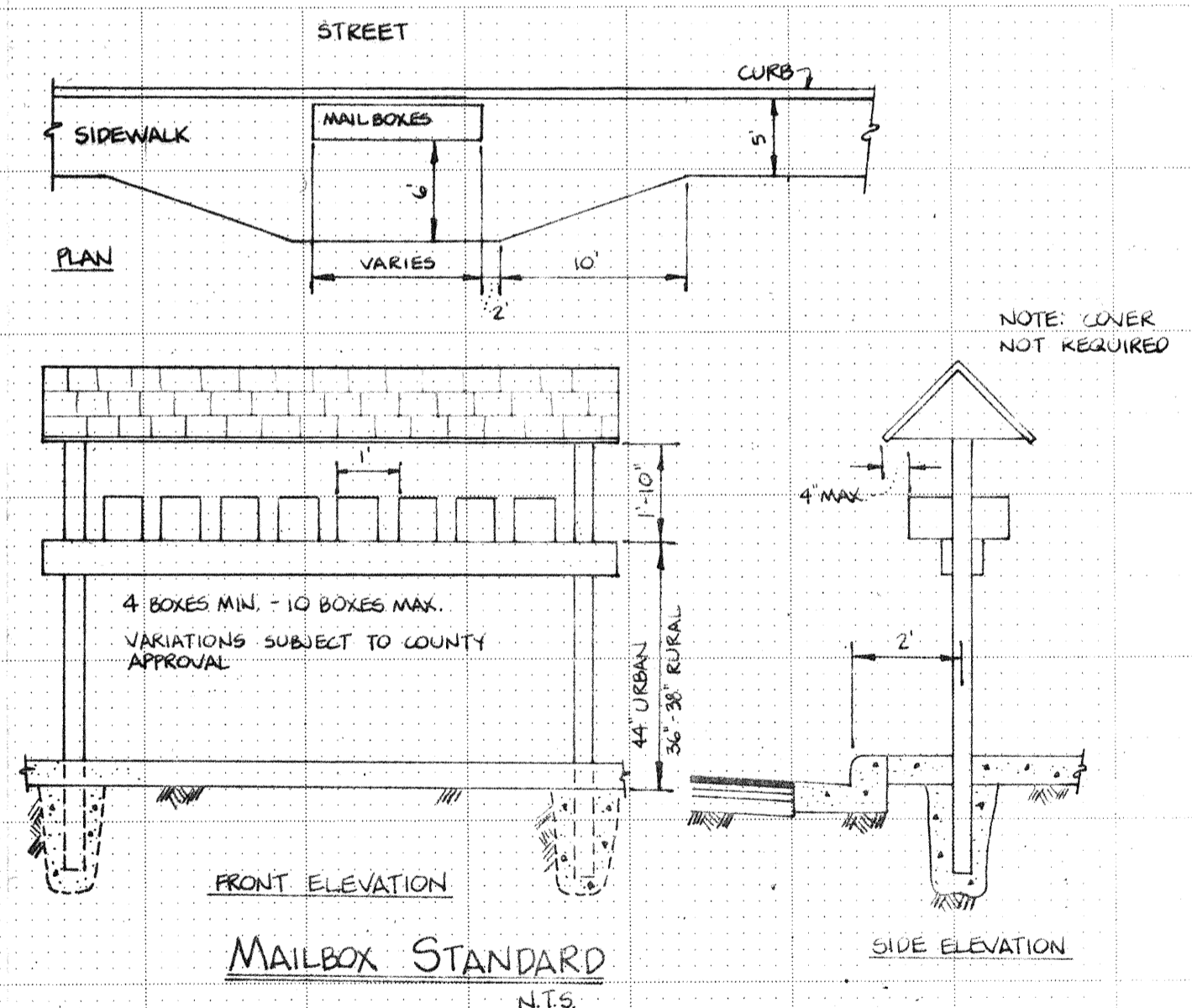
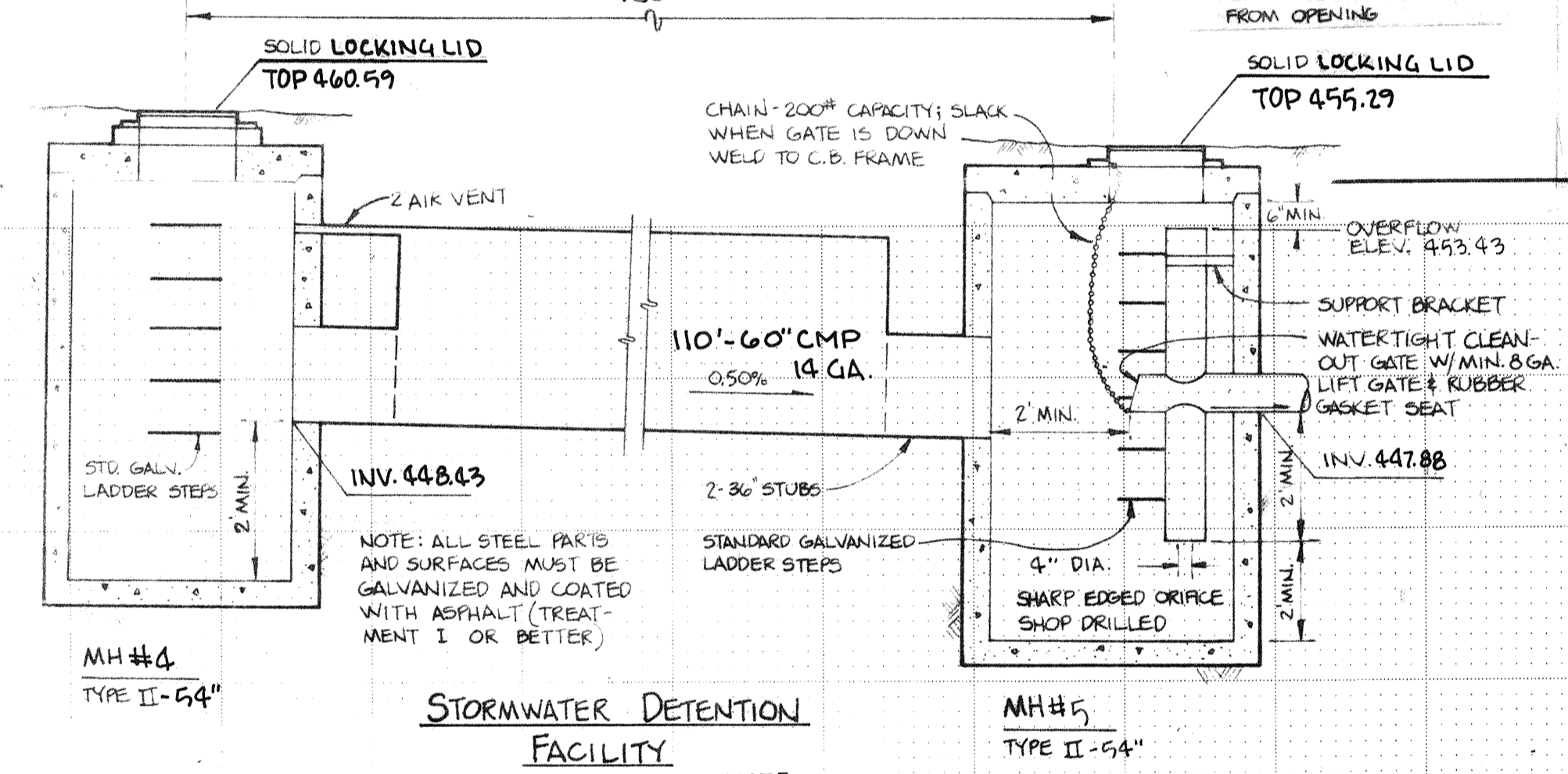
ROAD & STORM DRAINAGE PLAN FOR
HEATHERWOOD LANE
 SNOHOMISH COUNTY, WASHINGTON

SHEET 2 OF 2
 FILE NO. 8832

- GENERAL NOTES:
- ALL WORK AND MATERIALS SHALL BE IN COMPLETE ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS OF THE SNOHOMISH COUNTY DEPT. OF PUBLIC WORKS AND THE SNOHOMISH COUNTY DRAINAGE ORDINANCE.
 - THE OWNER AND CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION AND DEPTH OF ALL BURIED UTILITIES PRIOR TO BEGINNING CONSTRUCTION. LOCATIONS OF SAID UTILITIES AS SHOWN ON THE PLAN ARE BASED ON THE BEST RECORDS AVAILABLE AND ARE SUBJECT TO A DEGREE OF UNKNOWN VARIATION.
 - FOR AID IN UTILITY LOCATION CALL 1-800-424-5555 PRIOR TO BEGINNING CONSTRUCTION.
 - CONFLICTS SHALL BE BROUGHT TO THE ATTENTION OF KEGEL & ASSOCIATES AND SHALL BE RESOLVED PRIOR TO PROCEEDING WITH CONSTRUCTION.
 - THE CONTRACTOR SHALL MAKE MINOR ADJUSTMENTS IN THE FIELD DURING CONSTRUCTION AS NECESSARY, IN ORDER TO PRODUCE A FINISHED PROJECT CONSISTENT WITH THE INTENT OF THE PLAN.
 - THE CONTRACTOR SHALL KEEP TWO SETS OF PLANS ON SITE AT ALL TIMES FOR RECORDING AS-BUILT INFORMATION; ONE SET SHALL BE SUBMITTED TO KEGEL & ASSOCIATES AT COMPLETION OF CONSTRUCTION.
 - GRADING OUTSIDE OF THE COUNTY RIGHT-OF-WAY MUST COMPLY WITH CHAPTER 70 OF THE UNIFORM BUILDING CODE.
 - ALL FILLS SHALL BE COMPACTED TO A MINIMUM OF 95% OF MAXIMUM DENSITY.
 - TRENCH BACKFILL SHALL BE SELECT MATERIAL OR COMPACTION SHALL BE TESTED AND CERTIFIED BY A QUALIFIED TESTING LABORATORY BEFORE PAVING.
- CONSTRUCTION NOTES:
- STORM DRAINAGE PIPE SHALL BE EITHER RUBBER GASKET CONCRETE OR 16 GAUGE GALVANIZED STEEL WITH TREATMENT 1 ASPHALT COATING OR 14 GAUGE ALUMINUM WITH 2-2/3" x 1/2" HELICAL CORRUGATIONS UNLESS SPECIFICALLY NOTED.
 - CATCH BASINS, TYPE I, SHALL BE DETAILED AS IN STANDARD PLAN NO. 52 OF APWA STANDARDS AND SPECIFICATIONS, OR APPROVED EQUAL.
 - STANDARD LADDER STEPS SHALL BE PROVIDED IN ALL CATCH BASINS/MANHOLES EXCEEDING 4 FEET IN DEPTH.
 - INLET GRATES SHALL BE OLYMPIC FOUNDRY COMPANY NO. 5435 A, LOCKING TYPE, OR APPROVED EQUAL.
 - ALL CULVERT PIPE SHALL BE INSTALLED WITH CLASS "B" BEDDING IN ACCORDANCE WITH APWA STANDARDS.
 - BACKFILL TRENCH OF CULVERT PIPES IN LIFTS OF 6" - 8" AND COMPACT TO 95% RELATIVE COMPACTION UNDER ROADWAYS AND 90% RELATIVE COMPACTION OFF ROADWAYS.
 - PRIOR TO ANY SITE WORK PERTAINING TO DRAINAGE, THE CONTRACTOR SHALL CONTACT THE FIELD COORDINATOR FOR PLATS, UTILITIES AND DRAINAGE AT 259-7464 TO SET UP SCHEDULING. AS-BUILTS SHALL BE PROVIDED BY THE ENGINEER (SEE NOTE 6 OF "GENERAL NOTES").
 - PRIOR TO SIDEWALK CONSTRUCTION, THE ENGINEER WILL EVALUATE INDIVIDUAL LOT DRAINAGE AND DIRECT THE INSTALLATION OF CATCH BASIN STUBOUTS AND PERFORATED PIPE AS REQUIRED. LOCATIONS FOR THESE INSTALLATIONS SHALL BE PLACED ON THE AS-BUILT CONSTRUCTION PLANS AND SUBMITTED TO THE COUNTY.



MILL CREEK No. 8
 VOL. 40 P. 55, 72-77
VINE MAPLE



KEGEL & ASSOCIATES INC. LAND PLANNING ENGINEERING & SURVEYING 9800 EVERGREEN WAY EVERETT, WA. 98204 Ph. (206) 353-1119 SEATTLE LINE: 775-5424

DRAWN BY DATE TLK 9-12-83 CHECKED BY DATE J.N.M. 9-12-83 PROJECT MANAGER JACK N. MOLIER

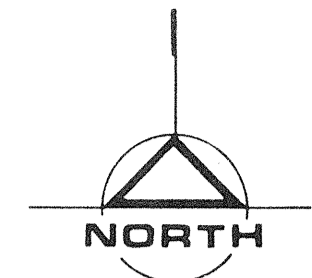


REVISIONS PER SNOHOMISH COUNTY 10-19-83 TLK PER SNOHOMISH COUNTY 11-4-83 J.N.M. PER COUNTY 12-8-83 J.N.M.

ROAD & STORM DRAINAGE PLAN FOR HEATHERWOOD LANE SNOHOMISH COUNTY, WASHINGTON SHEET 2 OF 2 FILE NO. 8832

HEATHERWOOD GARDEN TRACTS BLOCK No 1 VOL. 10 PG. 17

NOTE: OFF-SITE RUN-OFF SHALL BE ALLOWED TO SHEET FLOW ONTO PLAT.



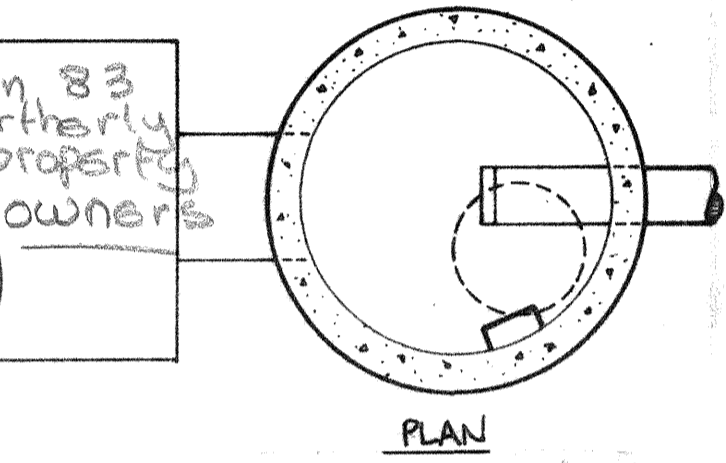
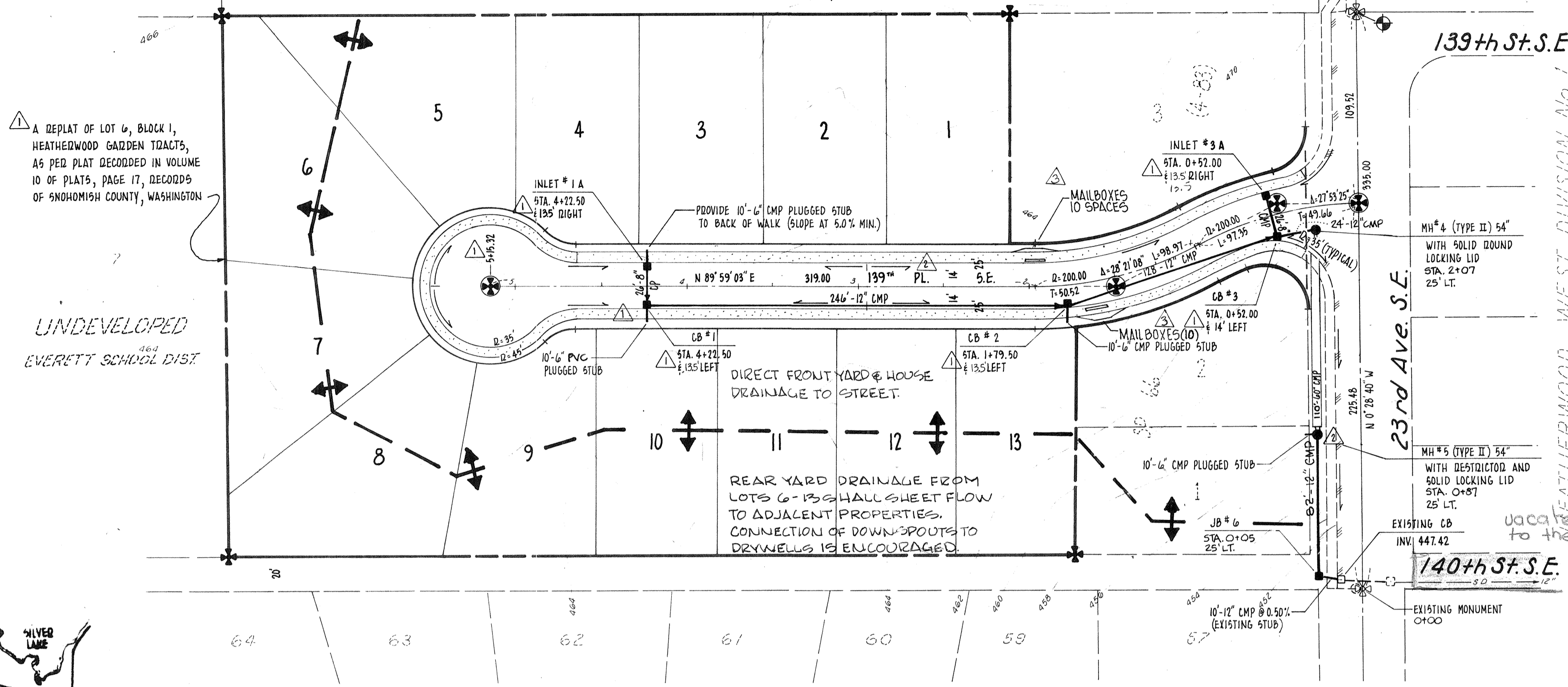
SCALE: 1" = 50'

Benchmark: Top Of Monument Case @ Intersection 23rd Ave. S.E. & 139th St. S.E. Elev. = 468.11

LEGEND: CONCRETE MONUMENT PER SNOHOMISH COUNTY STANDARDS CONCRETE MONUMENT IN CASE PER SNOHOMISH COUNTY STANDARDS NOTE: FINAL MONUMENT LOCATION TO BE DETERMINED AT TIME OF FINAL PLAT SUBMISSION.

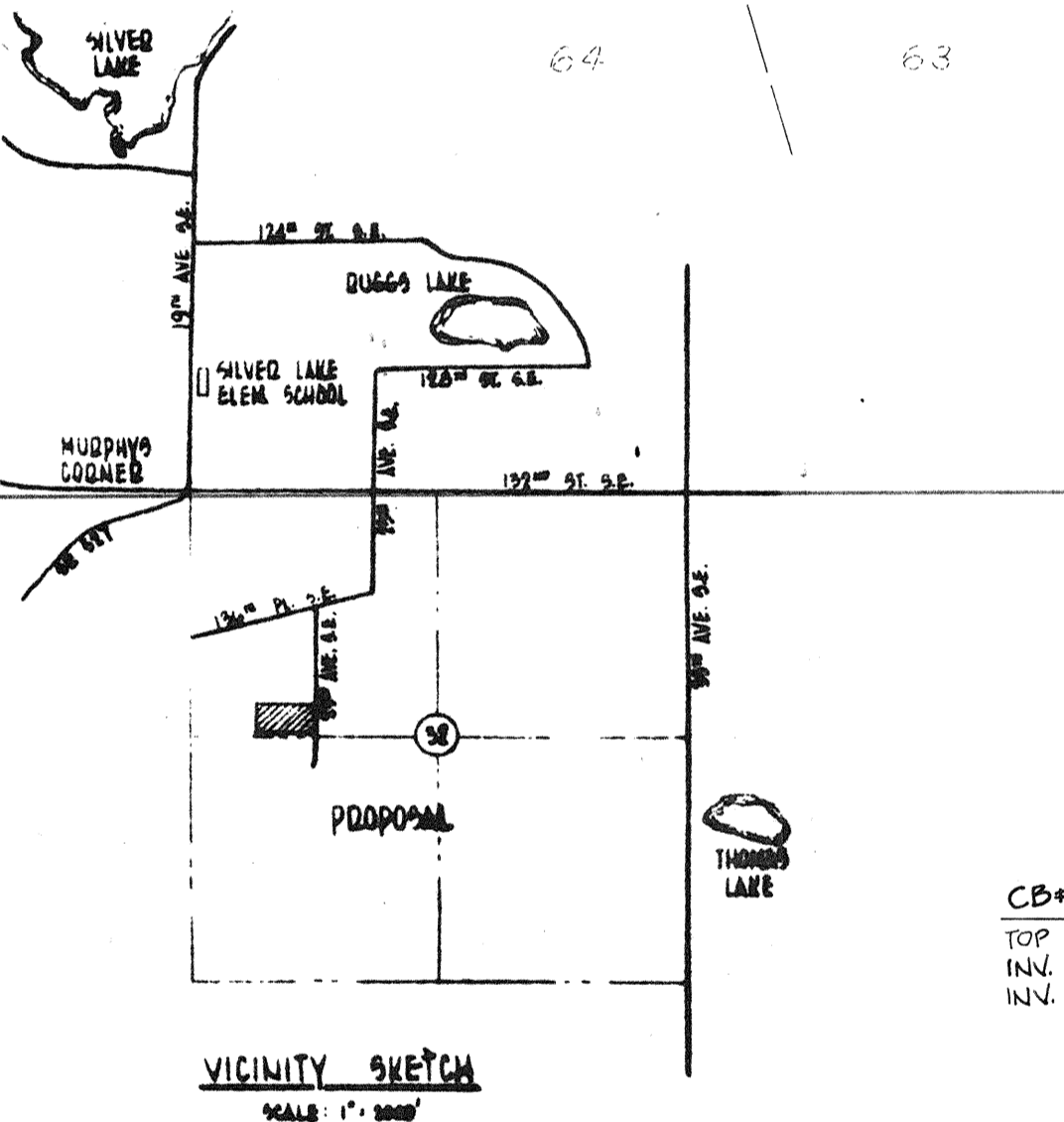
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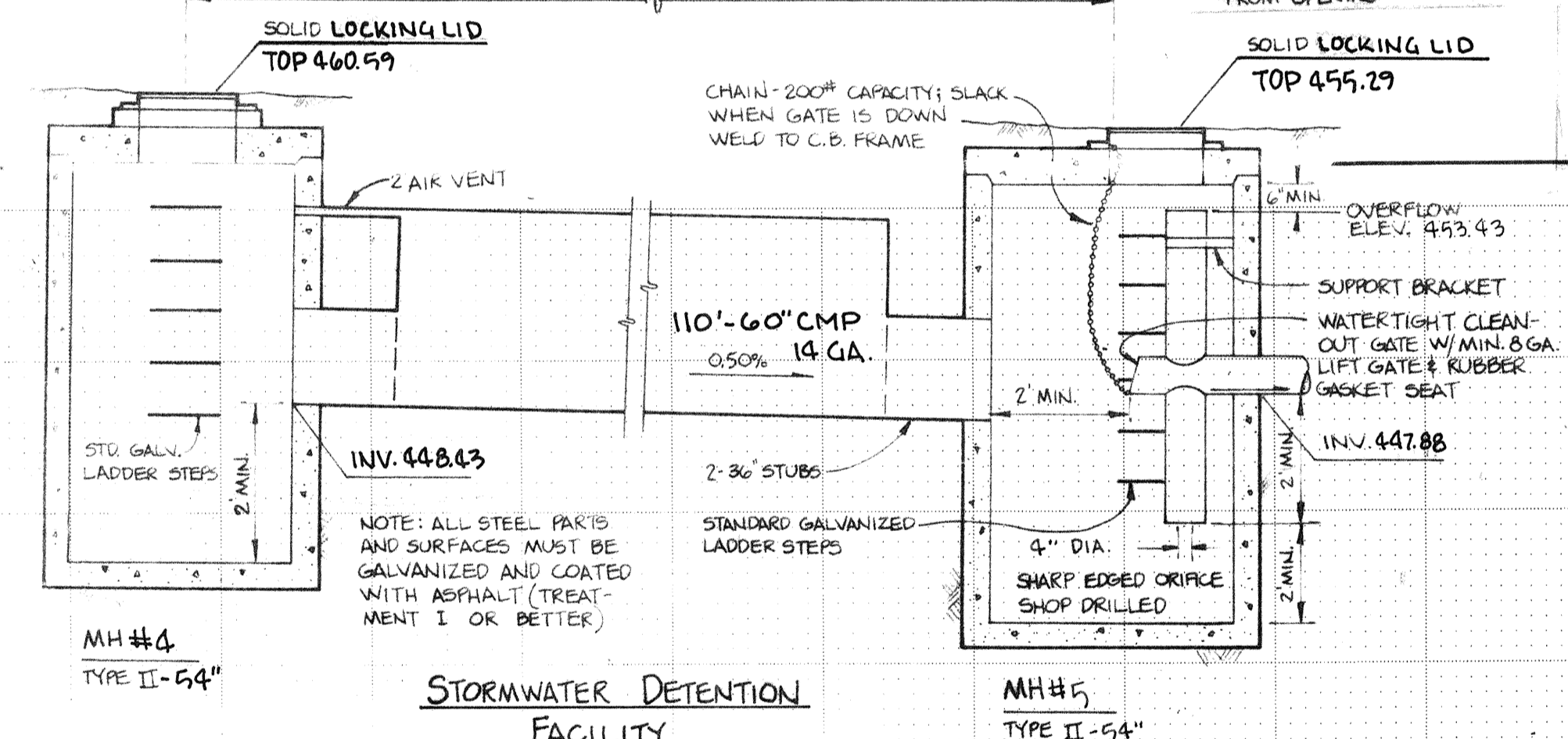


PLAN

MILL CREEK No 8 VOL. 40 PG. 72-77 VINE MAPLE

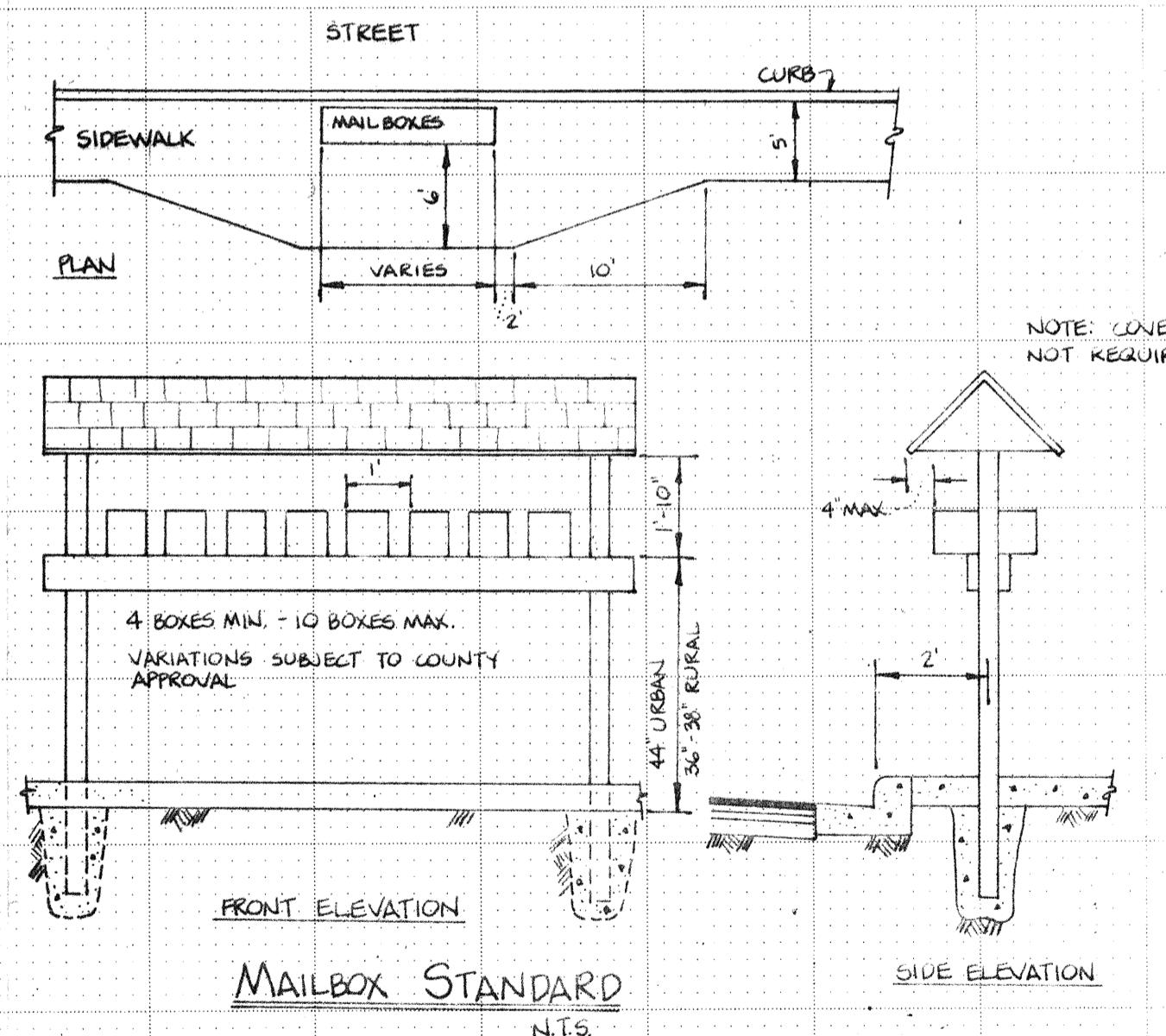


VICINITY SKETCH SCALE: 1" = 500'



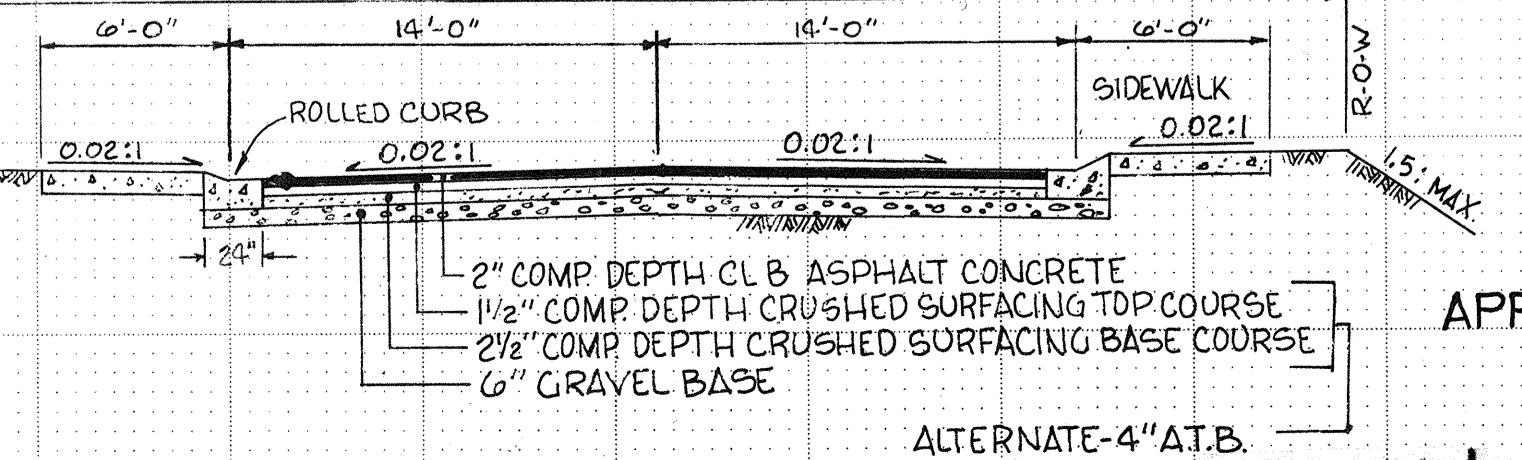
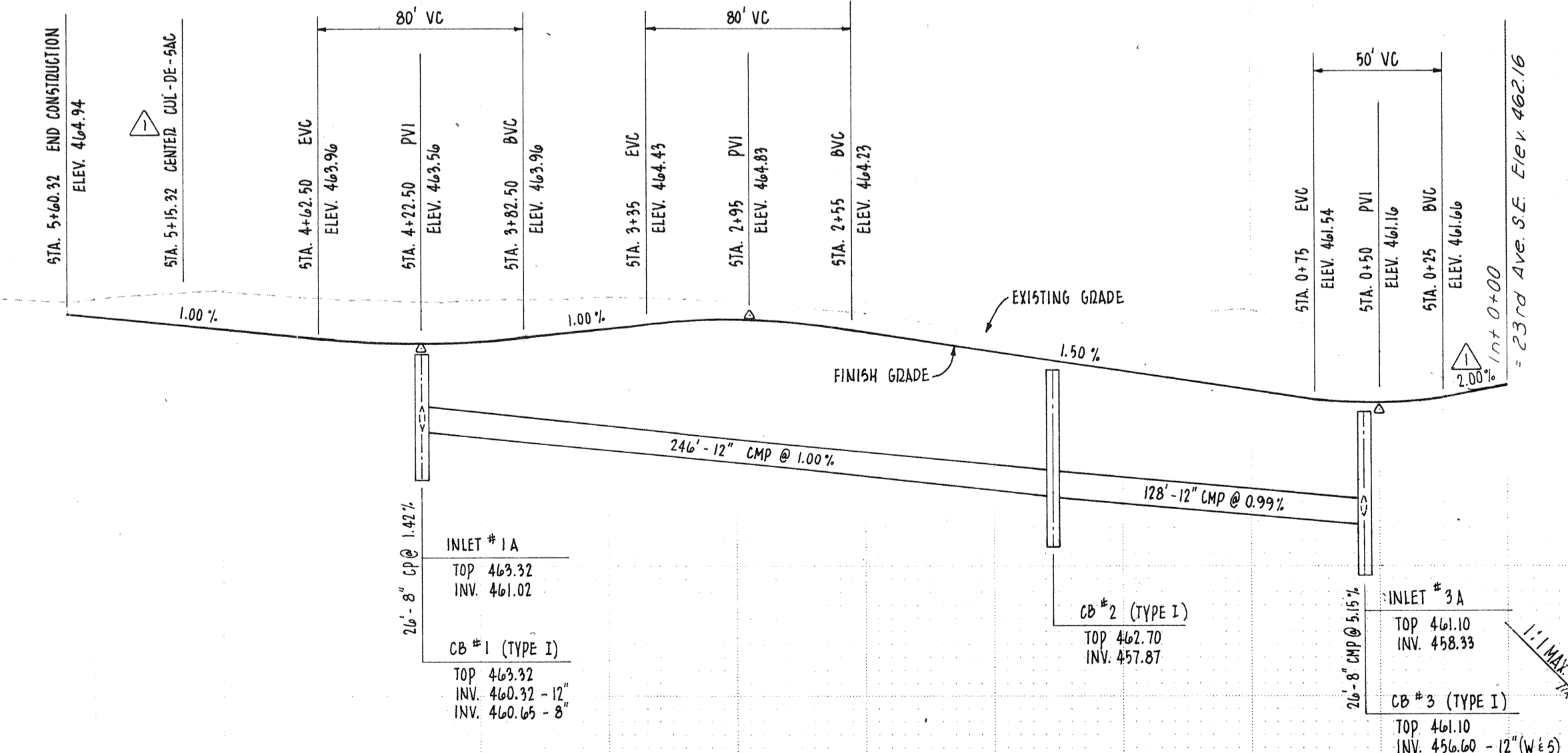
STORMWATER DETENTION FACILITY

NOTE: BACKFILL AROUND 60" CMP SHALL BE PIT RUN PLACED IN 12" MAX. LIFTS AND COMPACTED TO 90% OF MAXIMUM DRY DENSITY. CAREFULLY COMPACT BY HAND UNDER HAUNCHES. UTILIZE SHEET PILING FOR SHORING BEHIND SIDEWALK AS REQUIRED TO PREVENT UNDERMINING.



MAILBOX STANDARD DETAILS

GENERAL NOTES: 1. MAILBOX MUST BE TYPE 'APPROVED' BY THE POSTMASTER GENERAL WITH A UNIFORM BOX STYLE AND METHOD OF ADDRESS IDENTIFICATION PER EACH STANDARD. 2. LOCATION IS SUBJECT TO COUNTY APPROVAL FOR PROTECTION OF VIEW AND ACCESS. 3. THE SKETCH DEPICTS A MINIMUM STRUCTURAL AND DIMENSIONAL STANDARD, INNOVATIVE DESIGNS MEETING THE MINIMUM DIMENSIONAL AND STRUCTURAL REQUIREMENTS ARE ACCEPTABLE. 4. POST MUST GIVE FIRM SUPPORT BUT NOT EXCEED A 1 1/2" DIA. IRON PIPE OR A 4" x 4" WOODEN POST.



STANDARD ROAD SECTION

HEATHERWOOD LANE

APPROVED [Signature] DATE 12/14/83 SNOHOMISH COUNTY PUBLIC WORKS