

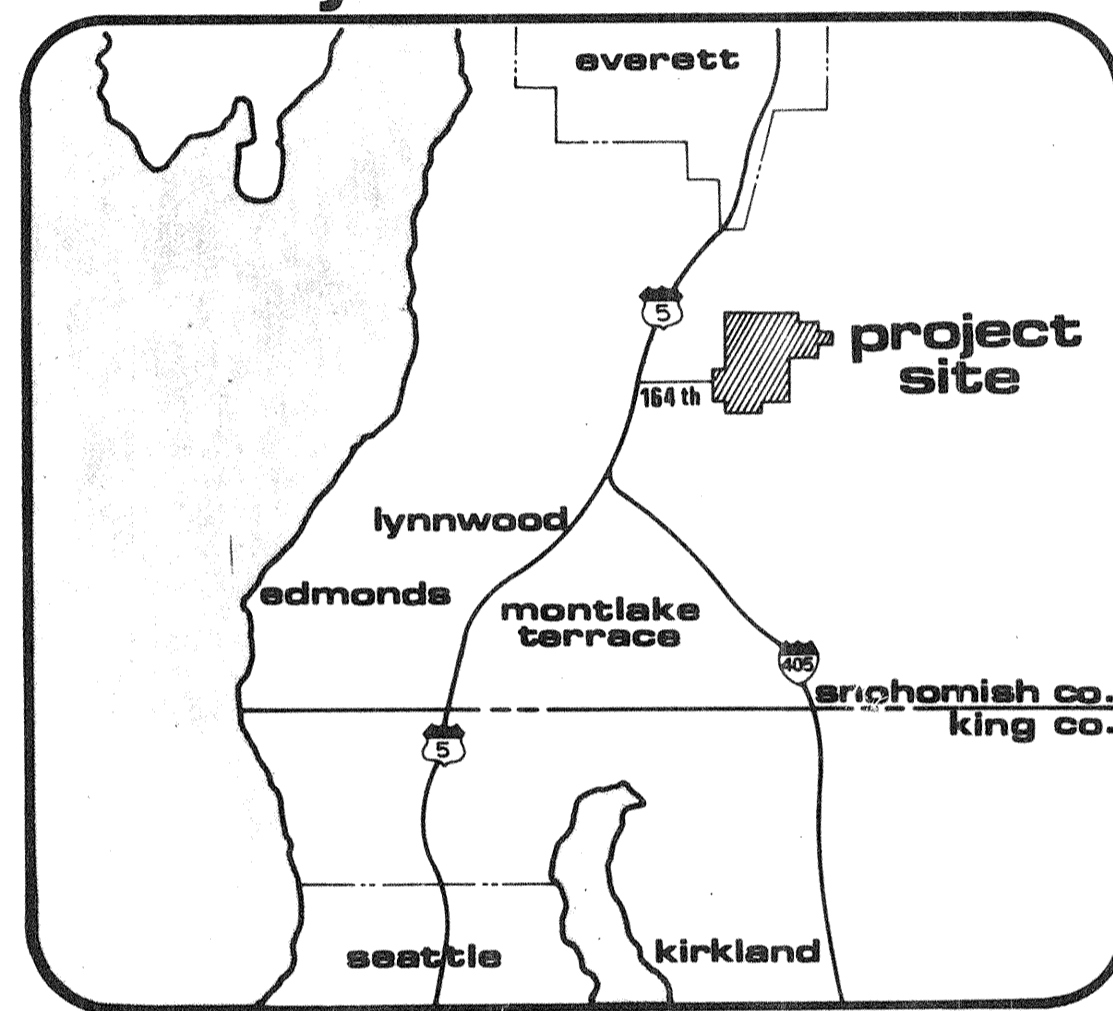


improvement plans

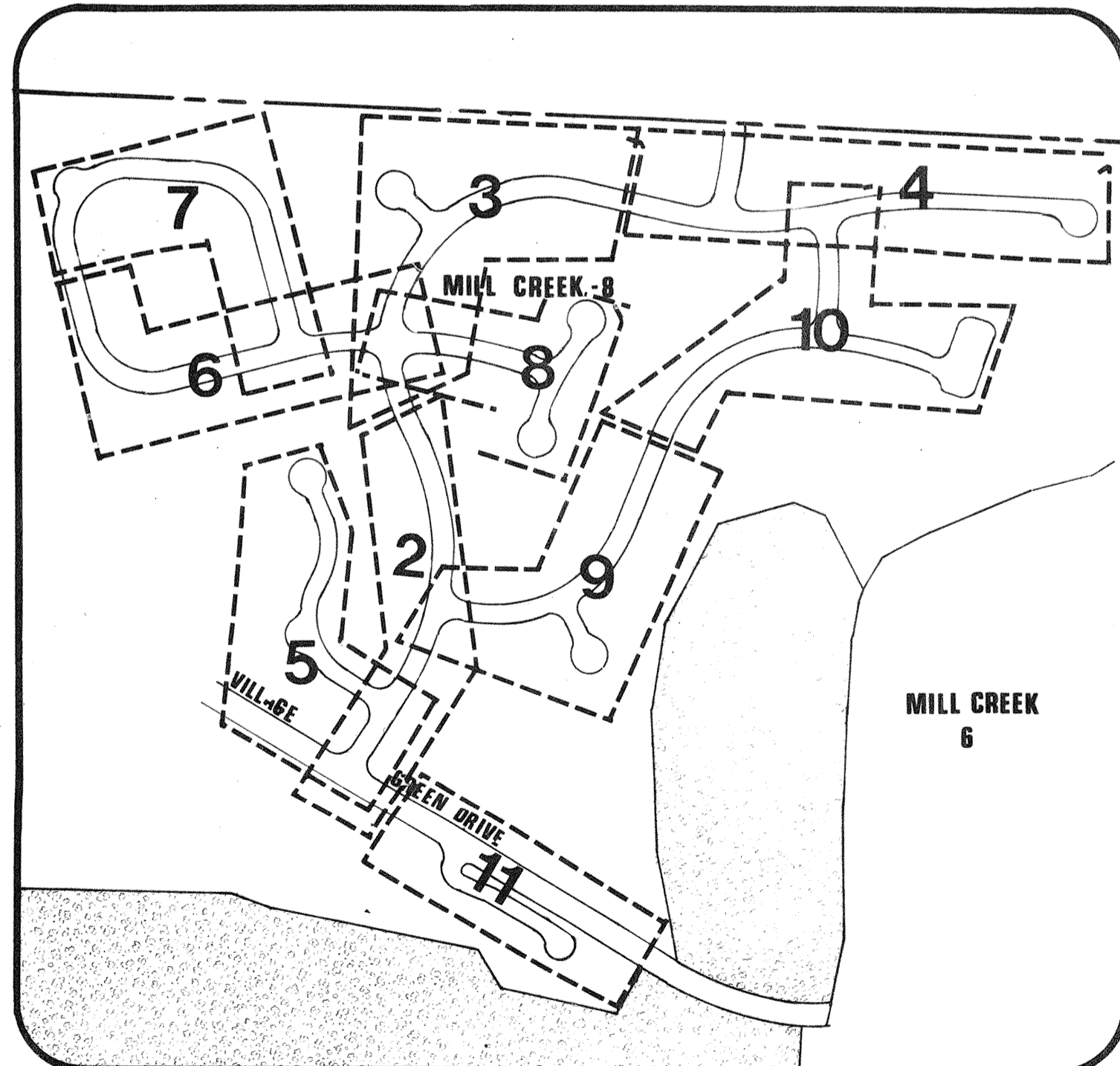
for: united development corp.
by: wilsey & ham inc.

W&H WILSEY & HAM, INC.
ENGINEERING • PLANNING • SURVEYING
• ENVIRONMENTAL ANALYSIS •
631 Strander Boulevard
Seattle, Washington 98188
Telephone
(206) 575-1420

vicinity



sheet index

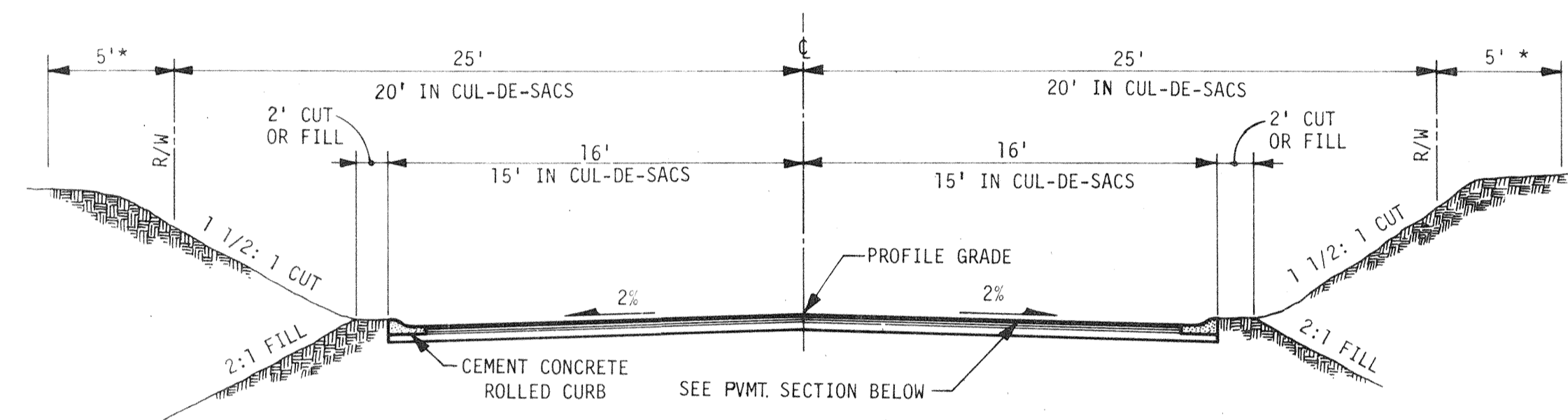


general notes

- ALL CONSTRUCTION SHALL CONFORM WITH THESE PLANS AND SPECIFICATIONS AND APPLICABLE STANDARDS AND SPECIFICATIONS OF SNOHOMISH COUNTY AND THE STATE OF WASHINGTON.
- ALL EARTHWORK AND STORM DRAINAGE BACKFILL SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THE SPECIFICATIONS AND UNDER THE DIRECTION OF THE SOILS ENGINEER.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO LOCATE AND PROTECT FROM DAMAGE ALL EXISTING FACILITIES AT NO DIRECT COST TO THE OWNER OR ENGINEER.
- ALL STATIONING SHOWN ON THESE PLANS SHALL REFER TO STREET CENTER-LINE STATIONING UNLESS SPECIFICALLY NOTED OTHERWISE.
- ELEVATIONS SHOWN ON THE PLANS ARE BASED UPON MEAN SEA LEVEL, AS ESTABLISHED BY THE U. S. COAST AND GEODETIC SURVEY, UNLESS SPECIFICALLY STATED OTHERWISE ON THE PLANS.
- BASIS OF BEARINGS IS THE WASHINGTON STATE GRID SYSTEM - NORTH ZONE.
- SPEED ADVISORY SIGNS SHOWN ARE RECOMMENDED BY WILSEY & HAM, INC., BUT ARE TO BE APPROVED AND INSTALLED BY SNOHOMISH COUNTY.
- ALL CORRUGATED PIPE SHALL BE 16 GAUGE ALUMINUM UNLESS NOTED OTHERWISE.
- ALL CONSTRUCTION SHALL BE INSPECTED PER SNOHOMISH COUNTY STANDARDS.
- FOR SPECIFICATIONS REFER TO THE APPROVED IMPROVEMENT PLANS FOR STREETS AND STORM DRAINS FOR MILL CREEK 1.
- IN THE EVENT OF ANY DISCREPANCY BETWEEN ANY DRAWINGS AND THE FIGURES WRITTEN THEREON, THE FIGURES SHALL BE TAKEN AS CORRECT.

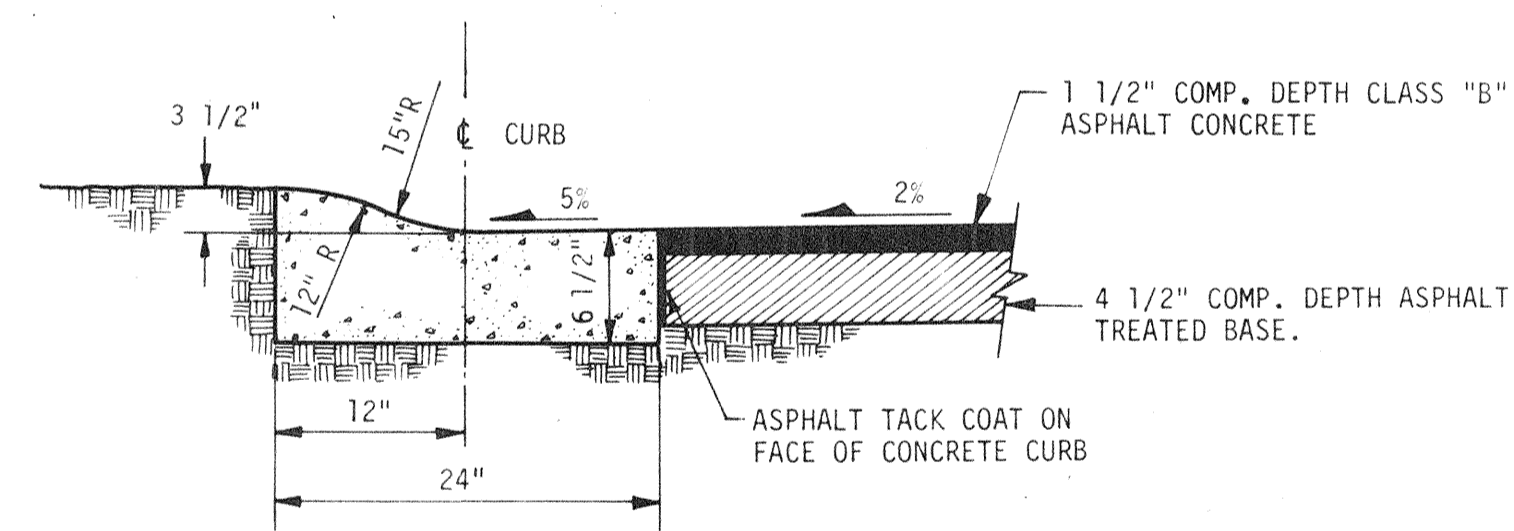
LEGEND & ABBREVIATIONS

- ① — DETAIL NUMBER
- ⑥ — SHEET NUMBER
- LT. — LEFT
- RT. — RIGHT
- MIN. — MINIMUM
- THK. — THICKNESS
- I.E. — INVERT ELEVATION
- CONT. — CONTINUATION
- C.B. — CATCH BASIN
- M.H. — MANHOLE
- ⑧615 — COORDINATE POINT NUMBER OR CATCH BASIN OR MANHOLE
- C.M.P. — CORRUGATED METAL PIPE
- — STORM DRAIN

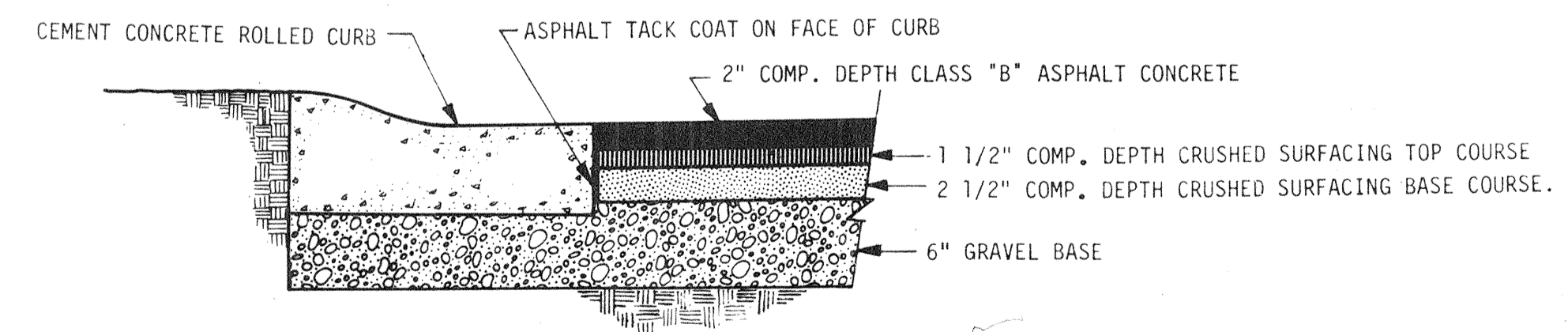


typical street section

*5' EASEMENT FOR SLOPES, UTILITIES, AND TRAILS. (SEE PLAT).



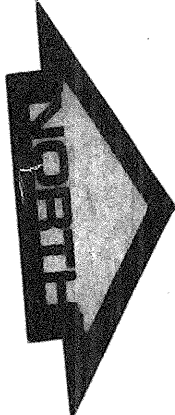
typical pavement section



alternate pavement section

MILL CREEK - 8
approval for construction
Stamp D.K.
February 27, 1979
Reviewed by: G. E. Weed, P.E.
SNOHOMISH COUNTY ENGINEER

By: _____ Date: _____
Revisions: _____
Date: DEC. 1978
Scale: AS NOTED
Designed: R. COUPE
Drawn: R.L.L.
Checked: M.W.C.
Approved: R. COUPE
Doc. Number: 3-2001-1001-10-D1
SHEET
1 of 14

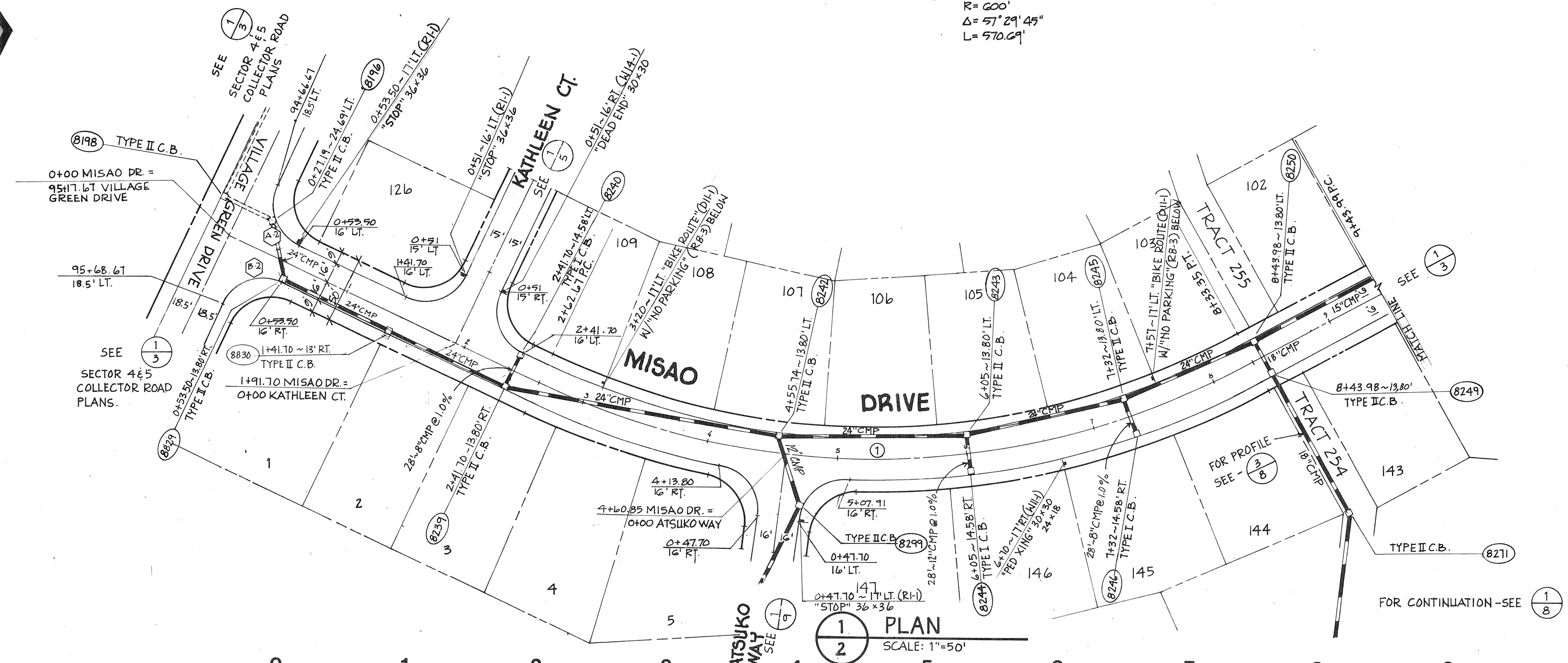


CURB RETURN DATA:
 R Δ L PROFILE-DETAIL
 A-2 35' 90°00'00" 54.98' 413
 B-2 35' 90°00'00" 54.98' 515

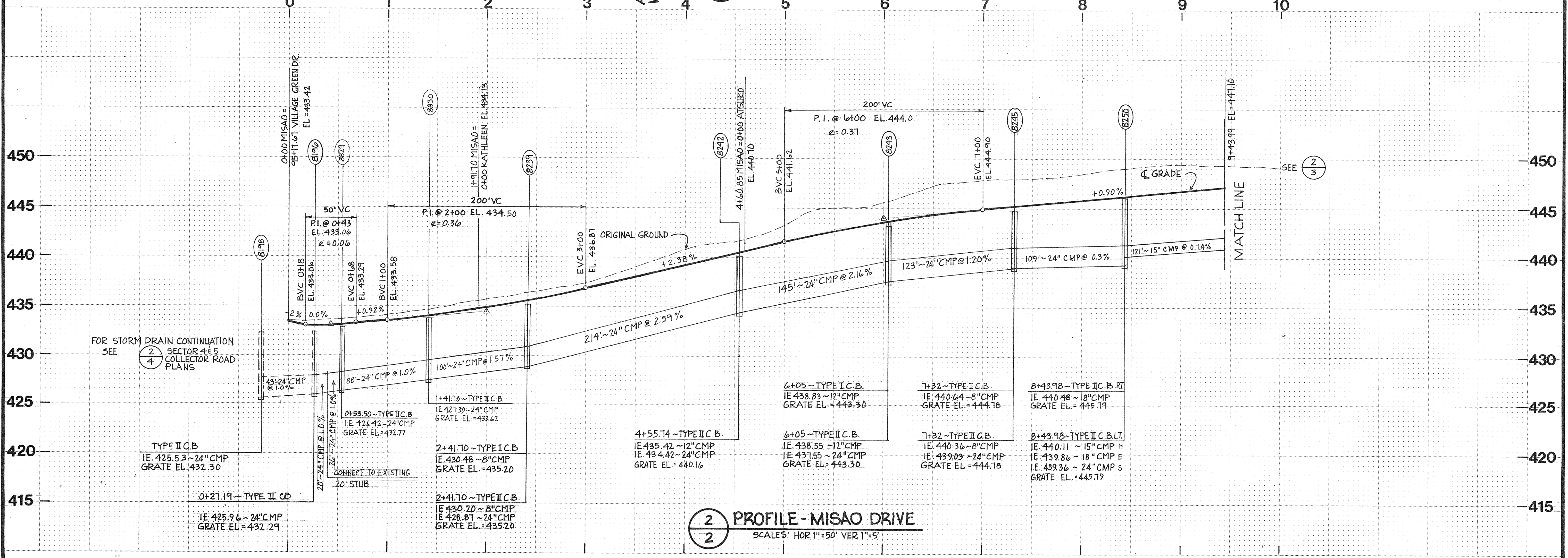
① CURVE DATA:
 R=200'
 Δ=57°29'45"
 L=570.69'

approval
 FOR CONSTRUCTION:
 SEE Need by R. Coupe, Esq. Feb 27, 1979
 Gerald E. Wood, P.E.
 SNOHOMISH COUNTY
 ENGINEER

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① PLAN
 SCALE: 1"=50'



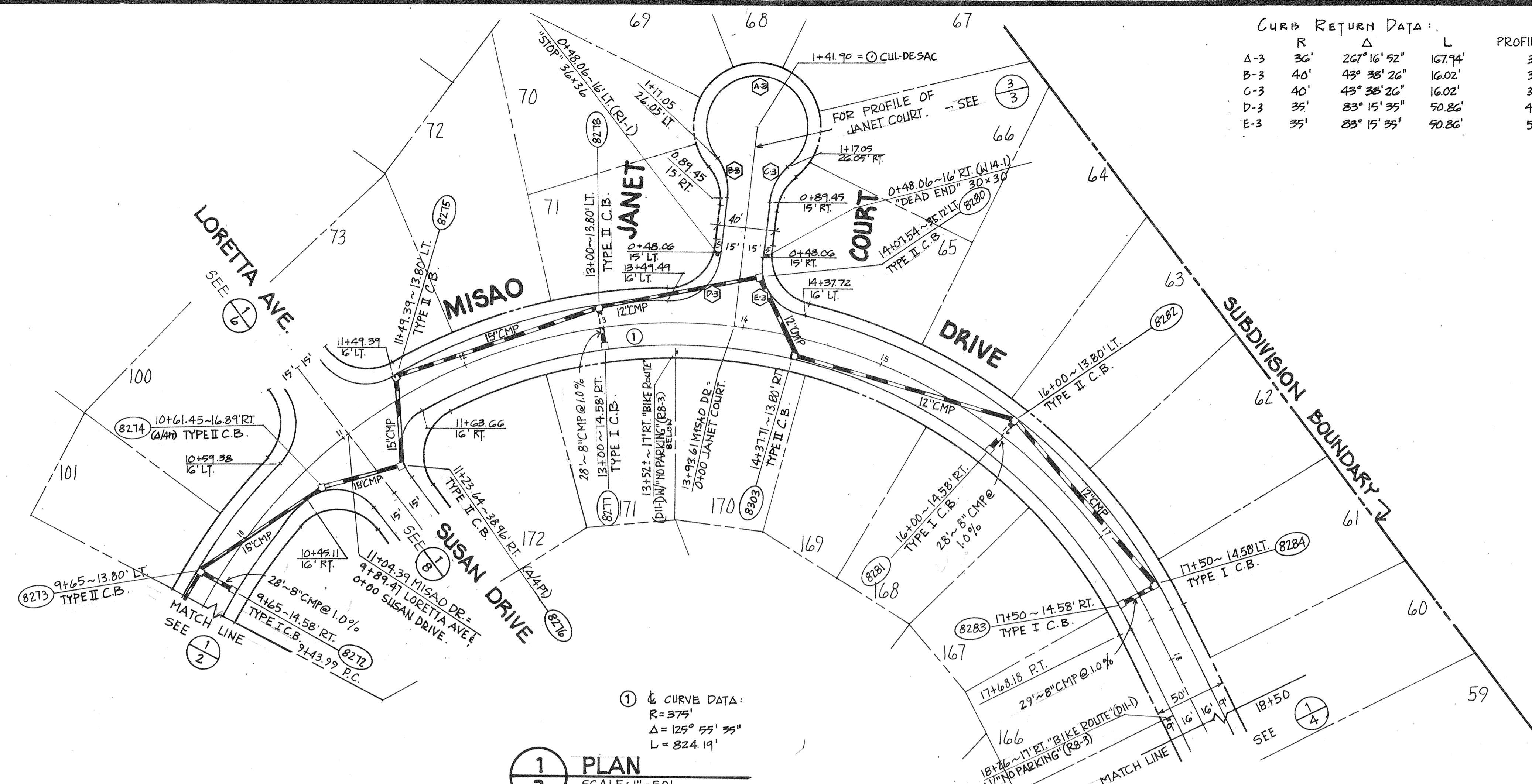
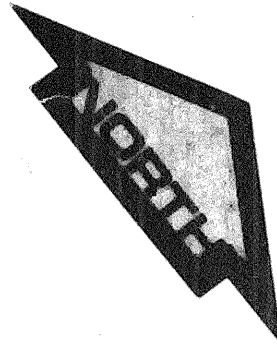
② PROFILE - MISAO DRIVE
 SCALES: HOR 1"=50' VER 1"=5'

MISAO DRIVE
 sta. 0+00 to 9+43.99



Revisions
 Date: Nov 1976
 Scale: AS NOTED
 Designed: R. COUPE
 Drawn: RLL
 Checked: BWC
 Approved: R. COUPE
 Dwg Number: 3-091-100-10-DL
 SHEET
 2 of 14

VINEMAPLE, WILLOWS



CURB RETURN DATA:

R	Δ	L	PROFILE-DETAIL	
A-3	36'	267° 16' 52"	167.94'	3/12
B-3	40'	43° 38' 26"	16.02'	3/12
C-3	40'	43° 38' 26"	16.02'	3/12
D-3	35'	83° 15' 35"	50.86'	4/14
E-3	35'	83° 15' 35"	50.86'	5/14

approval
FOR CONSTRUCTION:

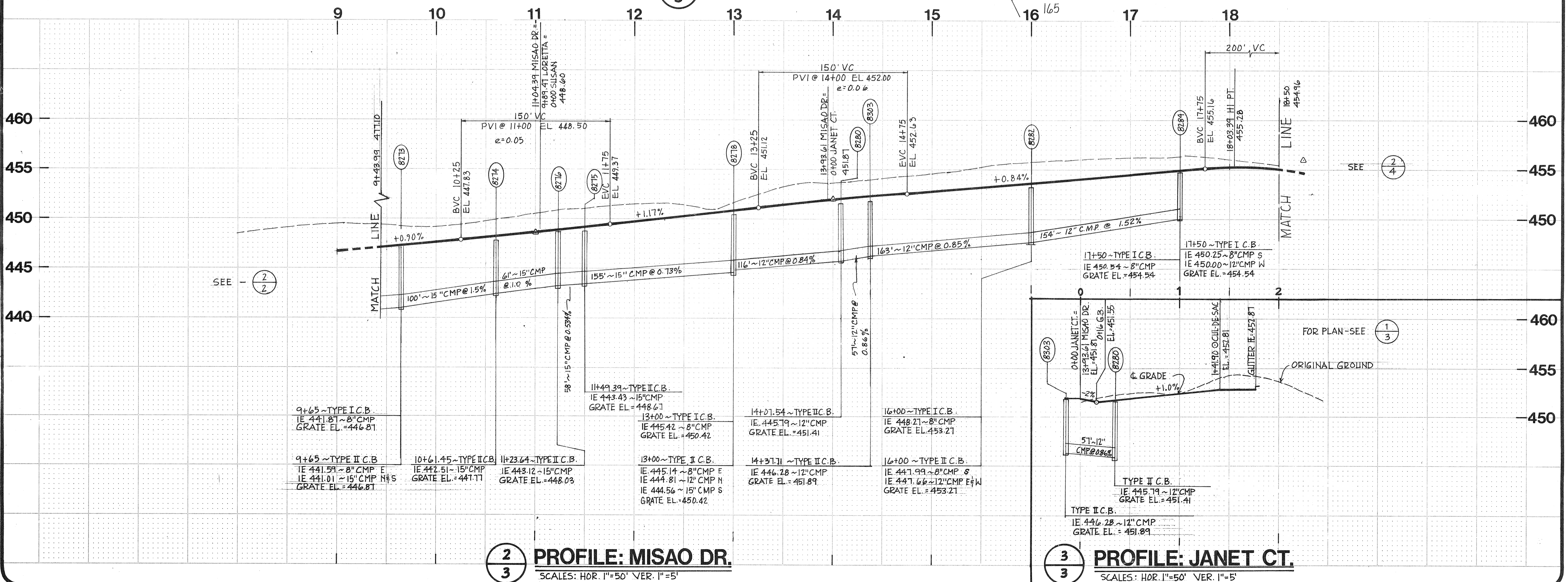
S.E. Wood by R. Couper, Esq. 2/19/79
Gerald E. Wood, P.E.
ENGINEER
KINGDOMISH COUNTY

W & H WILSEY & HAM, INC.
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• ENVIRONMENTAL ANALYSIS •

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Seattle, Washington 98188
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MISAO DRIVE
sta. 9+50 to 18+50

JANET COURT
sta. 0+00 to 1+41.90



REVISIONS

No.	Date	By	Reason
1	NOV 1978	AW	AS NOTED

Date: NOV 1978
Scale: AS NOTED
Drawn: R. COUPER
Checked: M.W.C.
Approved: R. COUPER

Dwg. Number: 3-2091-00-10-01
SHEET: 3 of 14

VINEMAPLE, WILLOWS

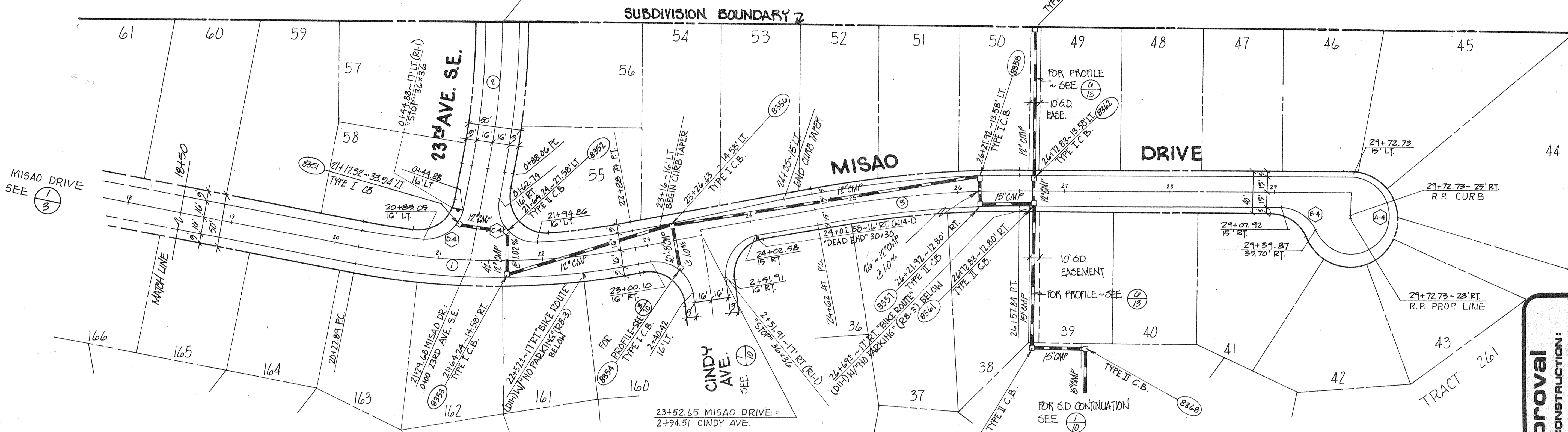


① CURVE DATA:
R = 700'
Δ = 21° 46' 37"
L = 269.85'

② CURVE DATA (23 RD AVE.)
R = 700'
Δ = 11° 27' 32"
L = 140.00'

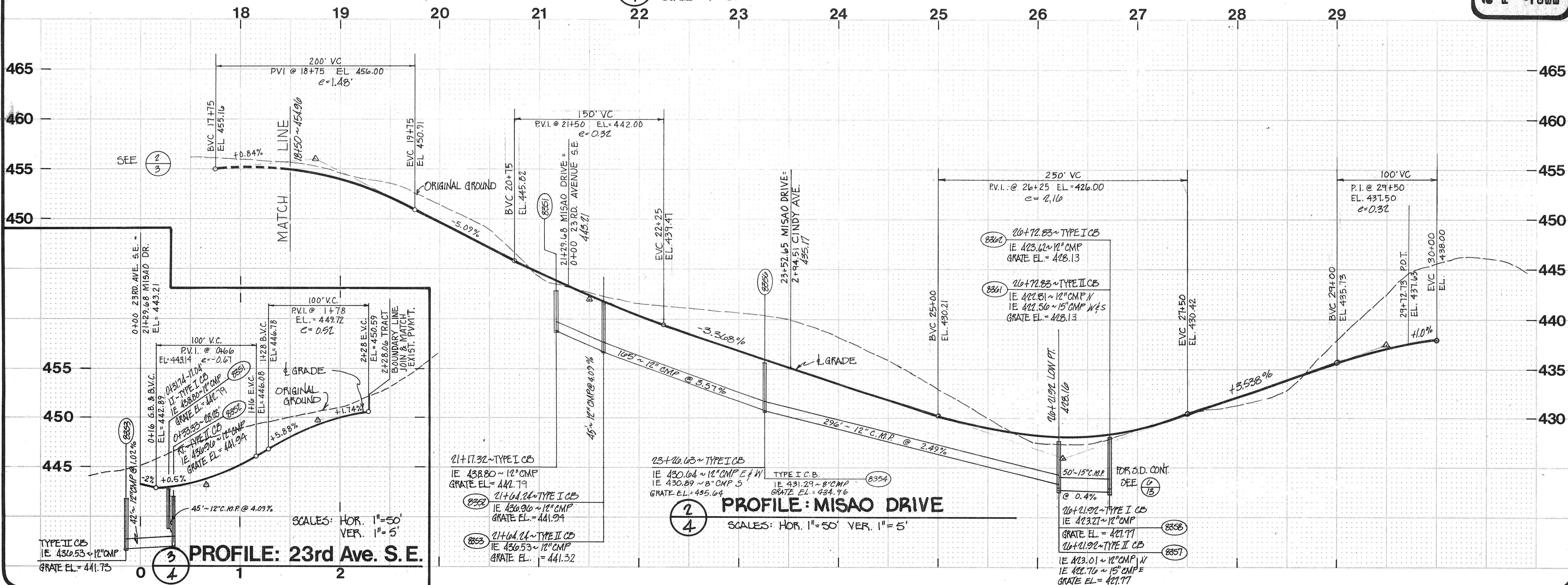
③ CURVE DATA:
R = 1000'
Δ = 11° 11' 28"
L = 199.37'

CURB RETURN DATA:			PROFILE-DETAIL
R	Δ	L	
A-4	36'	245° 53' 33"	1/12
B-4	35'	65° 53' 53"	1/12
C-4	35'	104° 30' 21"	7/14
D-4	35'	84° 38' 45"	6/14



① PLAN
SCALE: 1" = 50'

approval
FOR CONSTRUCTION:
Saw Wood by R.L. Wilsley Feb 21/1978
Gerald E. Wilsley, P.E.
SINGAPORE COUNTY
ENGINEER



③ PROFILE: 23rd Ave. S.E.
SCALE: HOR. 1" = 50' VER. 1" = 5'

② PROFILE: MISAO DRIVE
SCALE: HOR. 1" = 50' VER. 1" = 5'

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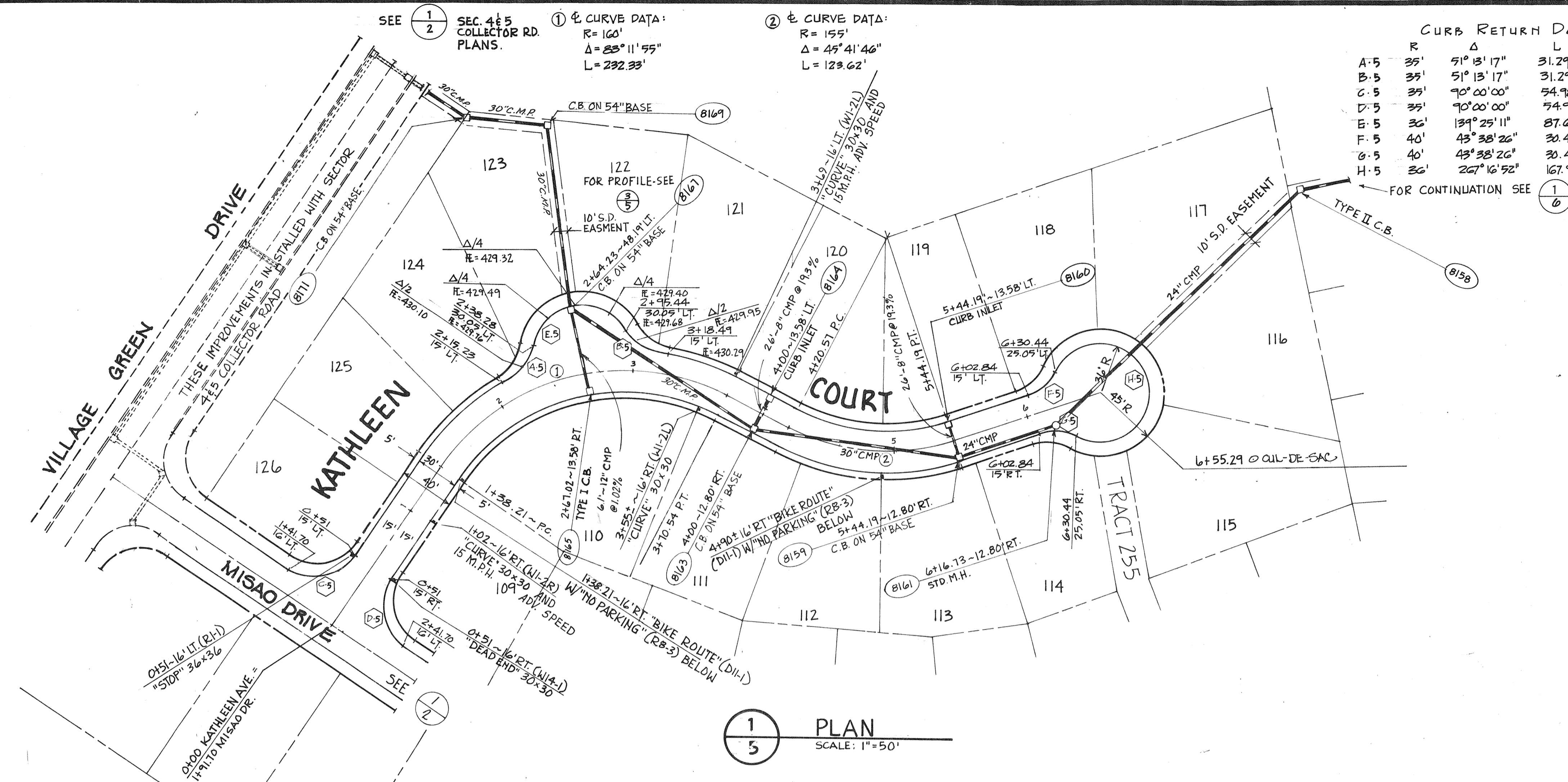
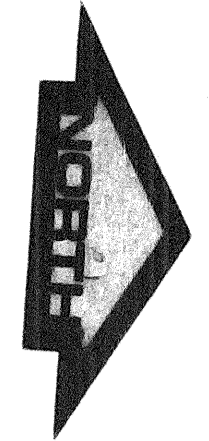
MISAO DRIVE
sta. 18+50 to 29+72.73
23rd AVENUE S.E.
sta. 0+00 to 2+28.06



Revisions:
Date: NOV. 1978
Scale: AS NOTED
Designed: R. COUPE
Drawn: R. COUPE
Checked: M.C.
Approved: R. Coupe
Dwg Number: 3-2091-1001-20-D1
SHEET: 4 of 14

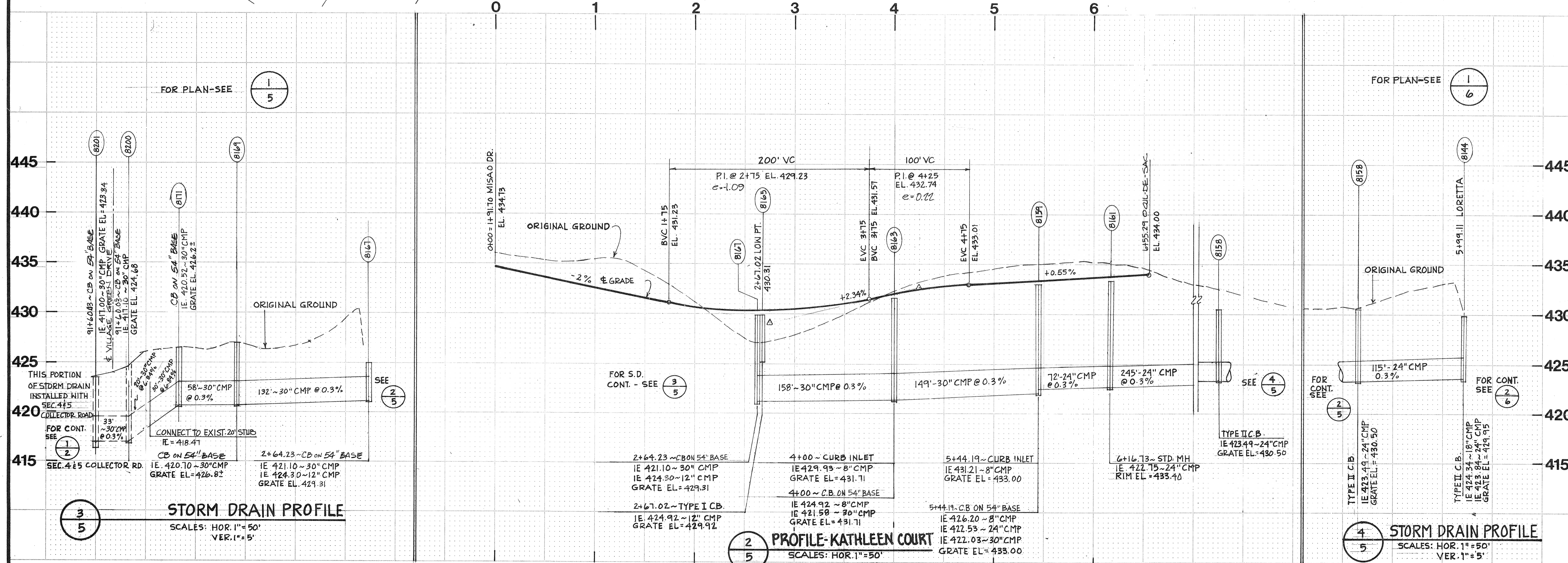
VINEMAPLE, WILLOWS

Uremaple



1 PLAN
 SCALE: 1"=50'

NOTE: Either 16 gauge aluminum or steel pipe may be used interchangeably where C.M.P. in excess of 24" diameter is called for.



approval FOR CONSTRUCTION:
 GORDON E. WILSEY, P.E.
 SNOHOMISH COUNTY ENGINEER

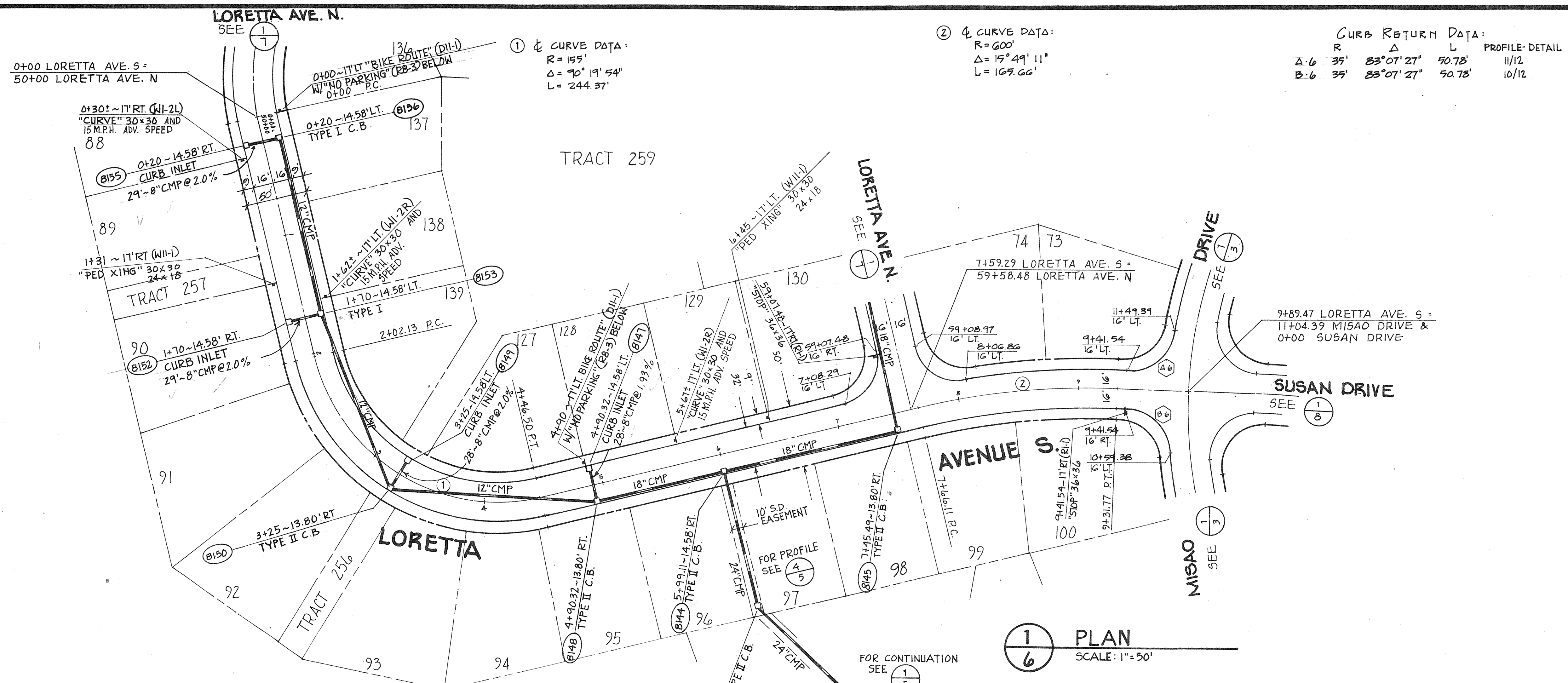
W&H WILSEY & HAM, INC.
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 Telephone (206) 575-1420
 631 Strander Boulevard
 Seattle, Washington 98188

KATHLEEN COURT
 sta. 0+00 to 6+55.29

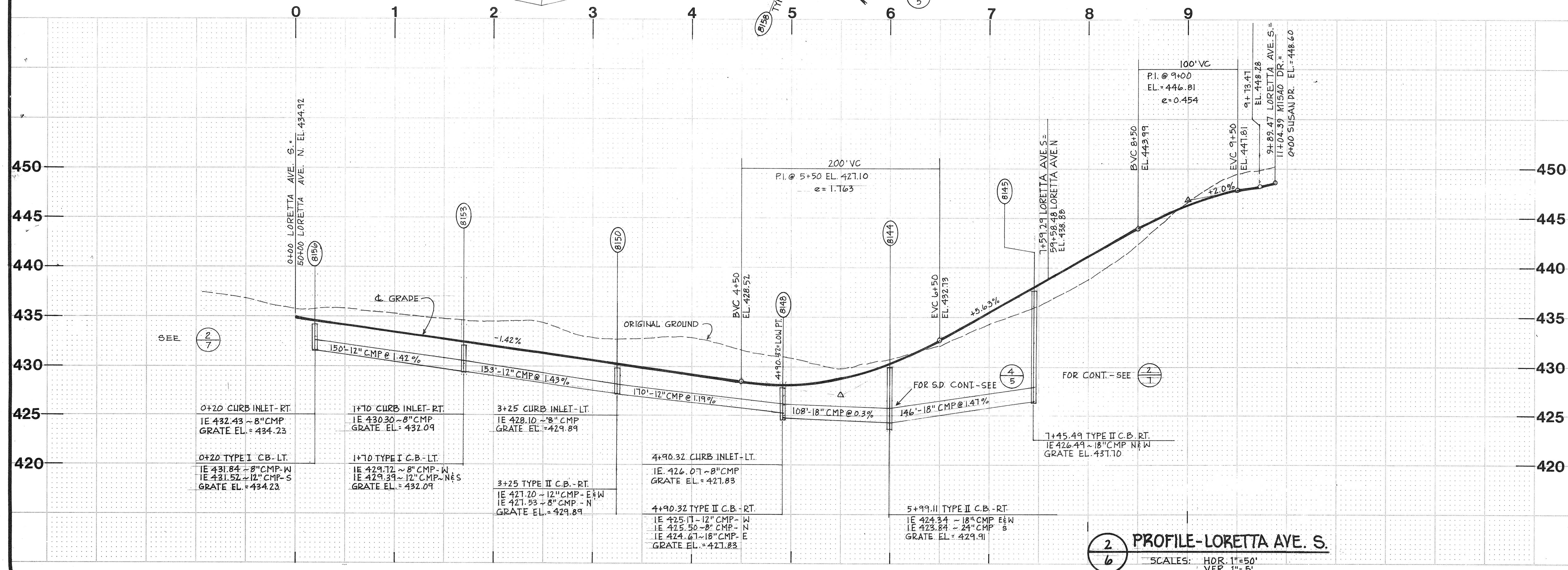
MILL CREEK

Revisions
 Date: NOV. 1978
 Scale: AS NOTED
 Designed: E. COUPE
 Drawn: RLL
 Checked: KMC
 Approved: R. Coupe
 Dwg. Number: 3-2091-1601-20-01
 SHEET
5 of 14

VINEMAPLE, WILLOWS



1 PLAN
SCALE: 1"=50'



2 PROFILE-LORETTA AVE. S.
SCALES: HOR. 1"=50'
VER. 1"=5'

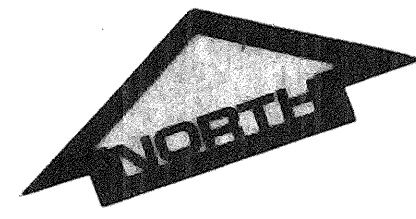
approval
FOR CONSTRUCTION:

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Seattle, Washington 98188
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MILK CREEK
LORETTA AVENUE
sta. 0+00 to 9+89.47

REVISIONS
By Date
Rev. 1/22/78
Date NOV. 1978
Scale AS NOTED
Designed R. COUPE
Drawn E. L. L.
Checked M.W.C.
Approved E. Coupe
Dwg Number
3-2091-1001-2001
SHEET
6 of 14

VINEMAPLE, WILLOWS one maple



① & CURVE DATA:
 R=155'
 $\Delta=106^\circ 57' 09''$
 L=289.33'

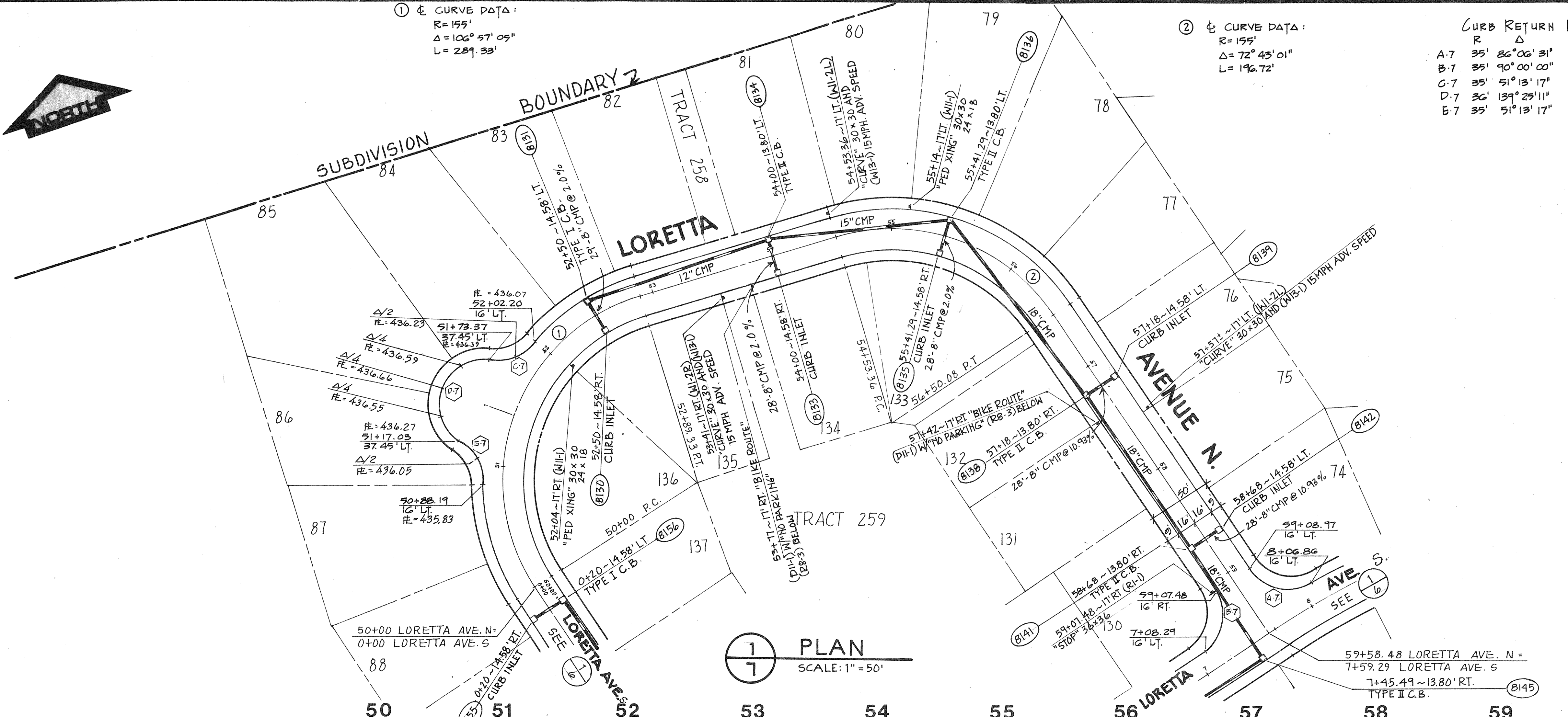
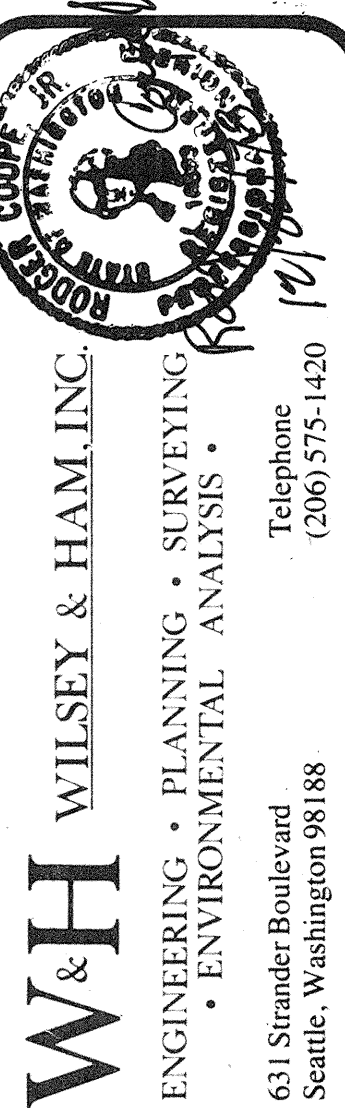
② & CURVE DATA:
 R=155'
 $\Delta=72^\circ 45' 01''$
 L=196.72'

CURB RETURN DATA:
 R L
 A-7 35' 86°06'31" 52.60'
 B-7 35' 90°00'00" 54.98'
 C-7 35' 51°13'17" 31.29'
 D-7 36' 139°29'11" 87.60'
 E-7 35' 51°13'17" 31.29'

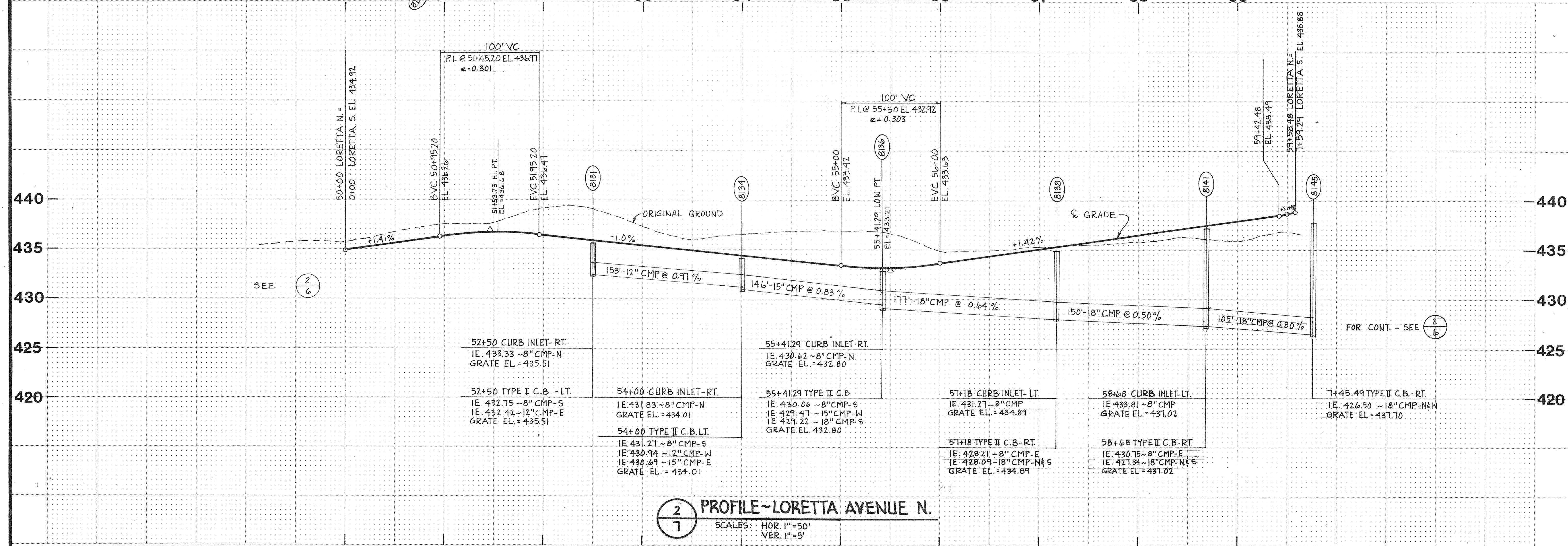
PROFILE
 DETAIL
 5/12
 4/12

approval
 FOR CONSTRUCTION!

Site Located by R.S. Couper, Feb 27, 1978
 Gerald E. Wood, P.E.,
 CIVIL ENGINEER
 631 Strandor Boulevard
 Seattle, Washington 98188
 Telephone
 (206) 575-1420



1 PLAN
 SCALE: 1" = 50'



2 PROFILE~LORETTA AVENUE N.
 SCALES: HOR. 1" = 50'
 VER. 1" = 5'

LORETTA AVENUE
 sta. 50+00 to 59+58.48



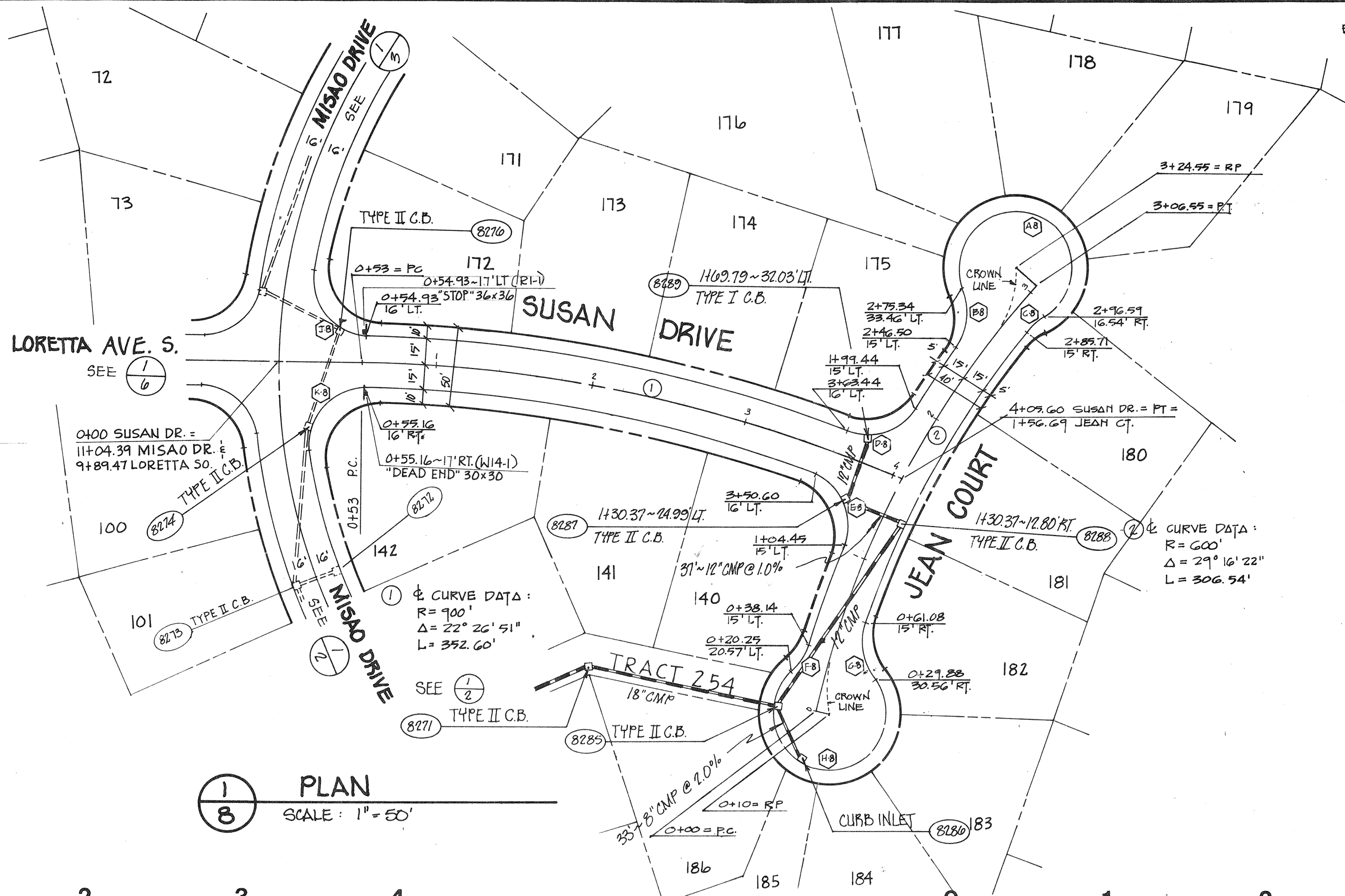
REVISIONS

By	Date
mc	1/26/82

Date: NOV. 1978
 Scale: AS NOTED
 Designed: R. COUPER
 Drawn: R.L.L.
 Checked: J.W.C.
 Approved: R. Couper

Dwg. Number
 3-2091-1001-20-D1
 SHEET
 7 of 14

VINE MAPLE, WILLOWS



1 PLAN
8 SCALE: 1" = 50'

PROFILE - DETAIL

Station	R	Δ	L
1/13	ΔB 36'	261° 45' 47"	164.47'
1/15	B-B 35'	60° 25' 40"	36.91'
1/15	C-C 35'	17° 35' 27"	10.75'
2/13	D-D 35'	78° 41' 55"	48.07'
3/13	E-E 35'	93° 02' 51"	56.84'
1/13	F-F 35'	31° 55' 21"	19.50'
1/13	G-G 35'	57° 45' 51"	35.29'
1/13	H-H 36'	267° 29' 46"	168.07'
13/12	J-J 35'	98° 56' 00"	60.44'
12/12	K-K 35'	99° 11' 40"	60.59'

approval
FOR CONSTRUCTION:

G.E. Woodley, P.E.
SINCE 1978
ENGINEER

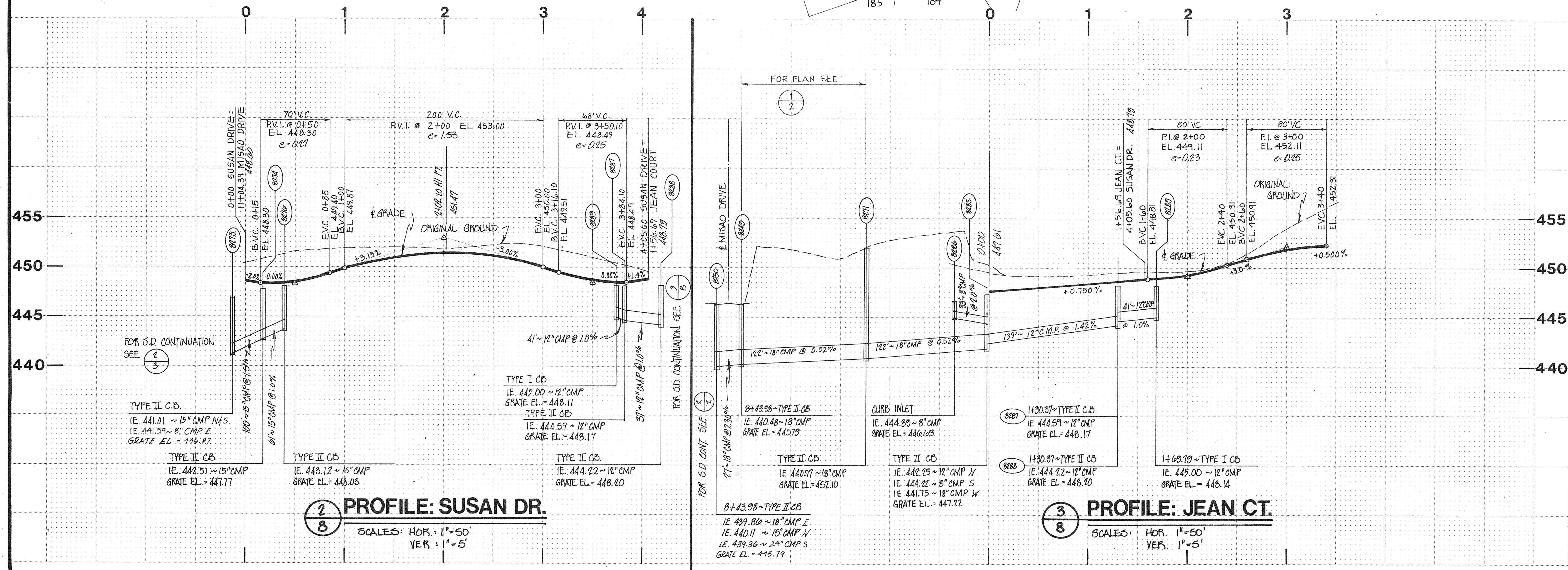
W&H WILSEY & HAM, INC.
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Seattle, Washington 98188
Telephone
(206) 575-1420

MILK CREEK

SUSAN DRIVE
sta. 0+00 to 4+05.60

JEAN COURT
sta. 0+00 to 3+06.55



2 PROFILE: SUSAN DR.
8 SCALES: HOR. 1" = 50'
VER. 1" = 5'

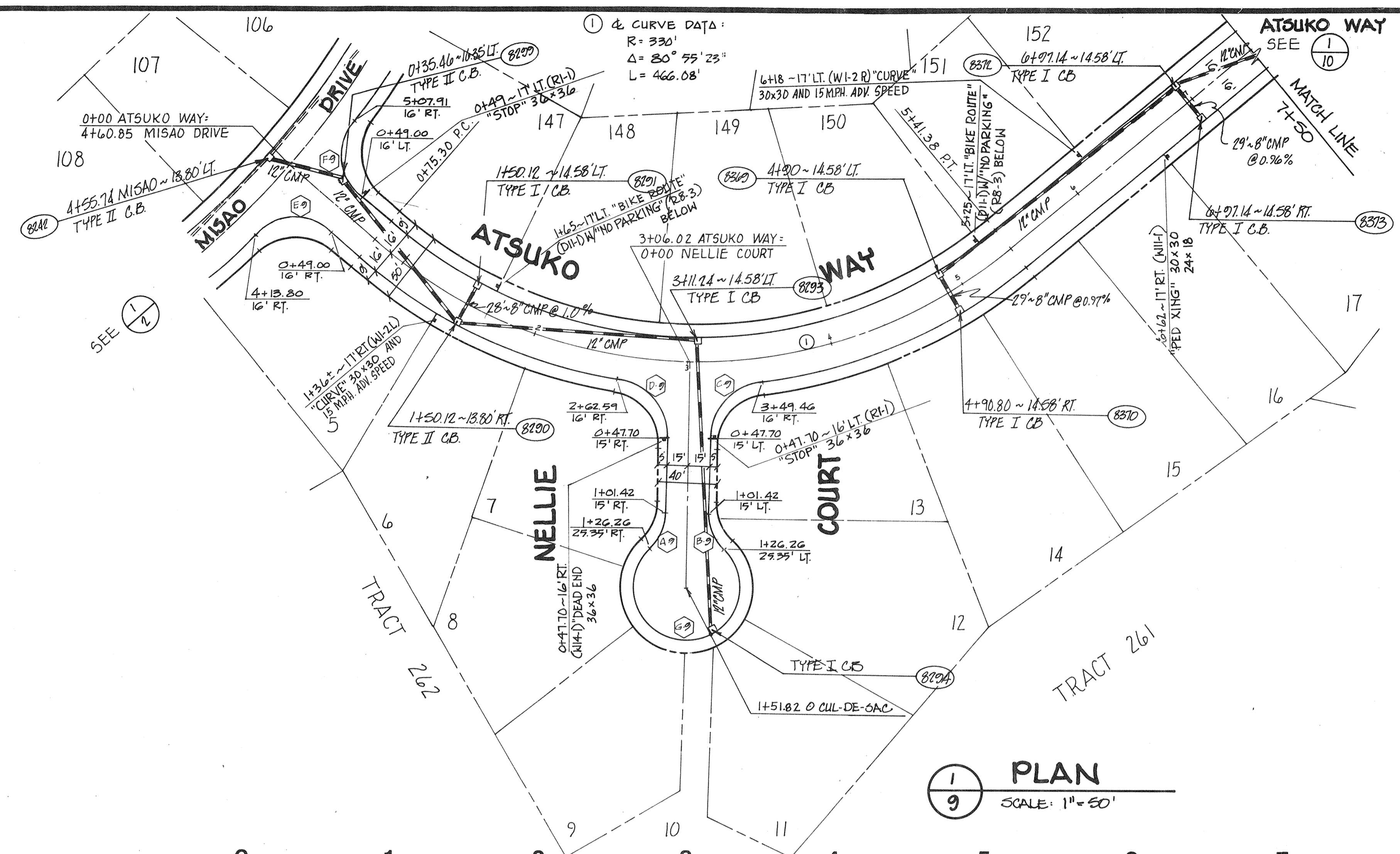
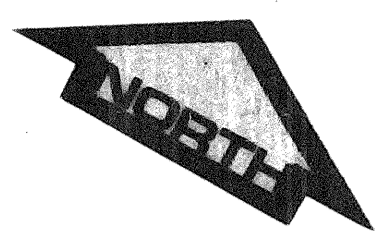
3 PROFILE: JEAN CT.
8 SCALES: HOR. 1" = 50'
VER. 1" = 5'

Revisions: _____
Date: NOV 1978
Scale: AS NOTED
Designed: R. COUPE
Checked: JMC
Approved: R. Coupe

Dwg. Number
3-2091-1001-20-D1
SHEET

8 of 14

VINE MAPLE, WILLOWS



1 PLAN
SCALE: 1" = 50'

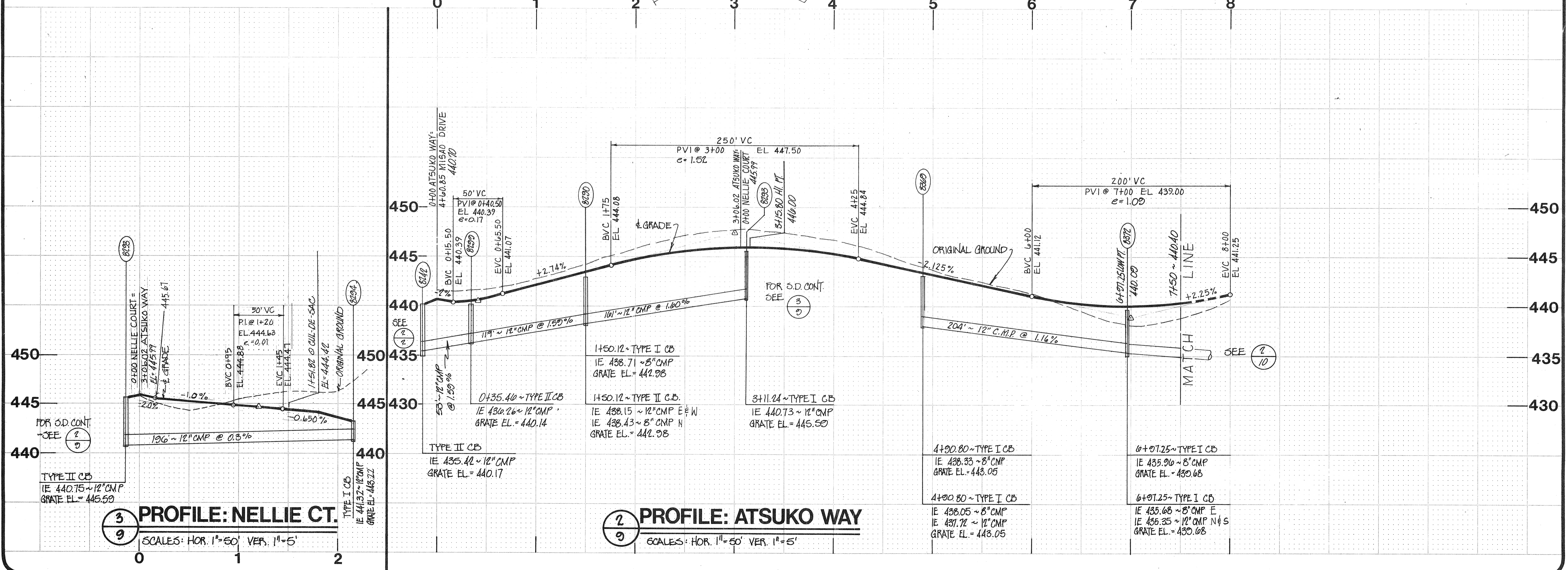
CURB RETURN DATA:

A	R	Δ	L	PROFILE-DETAIL
A-9	35'	45° 13' 59"	27.63'	2/12
B-9	35'	45° 13' 59"	27.63'	2/12
C-9	35'	82° 27' 33"	50.37'	13/14
D-9	35'	82° 27' 33"	50.37'	12/14
E-9	35'	85° 20' 34"	52.23'	8/12
F-9	35'	85° 20' 34"	52.23'	7/12
G-9	36'	270° 27' 58"	169.94'	2/12

approval FOR CONSTRUCTION:

Sgt. E. Wood, P.E.
ENGINEER
INGOMISH COUNTY

W&H WILSEY & HAM, INC.
ENGINEERING • PLANNING • SURVEYING
• ENVIRONMENTAL ANALYSIS •
631 Strandor Boulevard
Seattle, Washington 98188
Telephone (206) 575-1420
1987



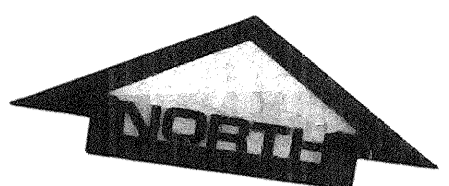
3 PROFILE: NELLIE CT.
SCALES: HOR. 1" = 50' VER. 1" = 5'

2 PROFILE: ATSUKO WAY
SCALES: HOR. 1" = 50' VER. 1" = 5'

ATSUKO WAY
sta. 0+00 to 7+50
NELLIE COURT
sta. 0+00 to 1+51.82



Revisions: _____
By: _____ Date: _____
Date: NOV. 1978
Scale: AS NOTED
Designed by: R. COOPER
Drawn by: R. COOPER
Checked by: J. M. C.
Approved by: R. Coupe
Dwg. Number: 3-2091-1001-20-01
SHEET
9 of 14



① CURVE DATA:
 R = 375'
 $\Delta = 74^\circ 52' 33''$
 L = 490.06'

② CURVE DATA: (CINDY)
 R = 900'
 $\Delta = 15^\circ 21' 26''$
 L = 241.23'

③ CURVE DATA:
 R = 1200'
 $\Delta = 12^\circ 42' 03''$
 L = 266.00'

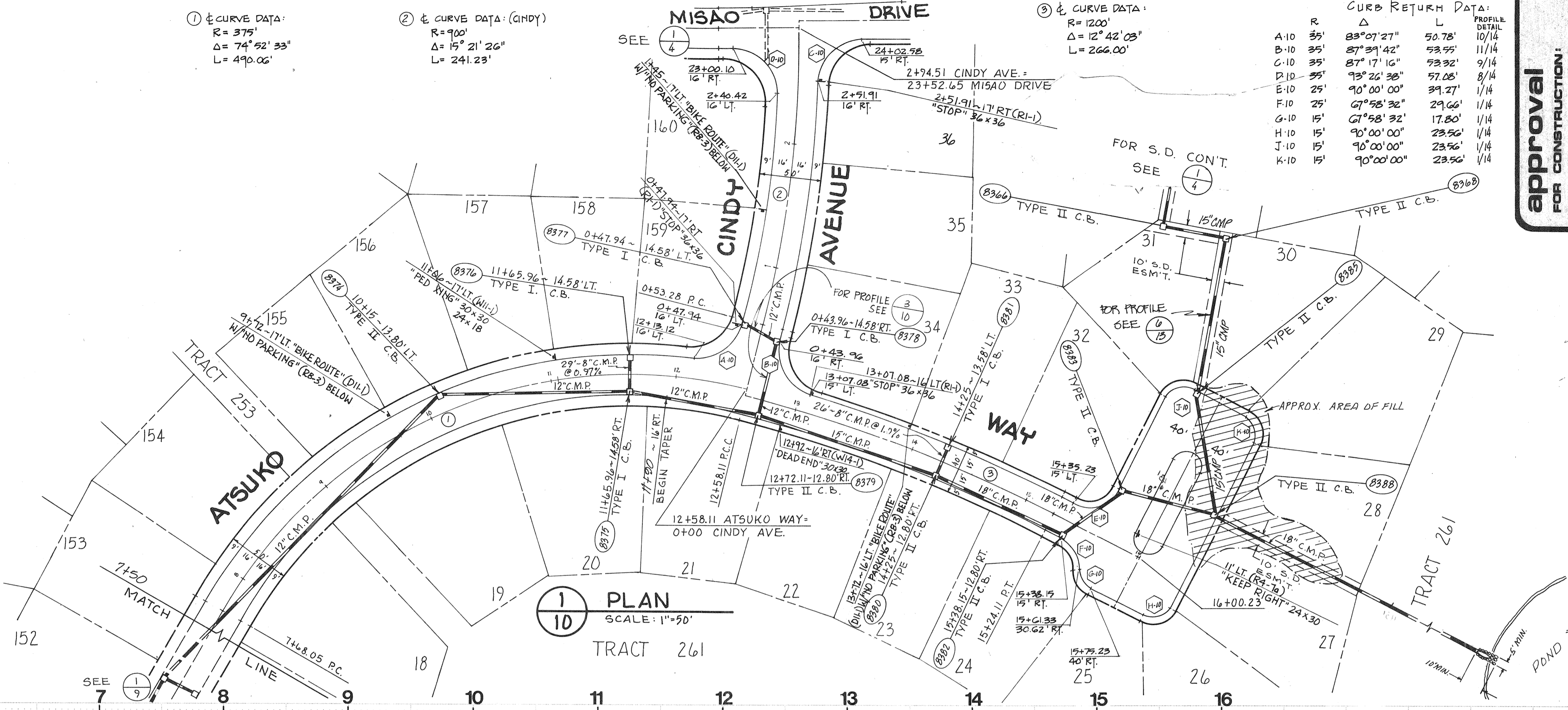
CURB RETURN DATA:

R	Δ	L	PROFILE DETAIL
A-10	35'	83°07'27"	50.78'
B-10	35'	87°39'42"	53.95'
C-10	35'	87°17'16"	53.32'
D-10	35'	93°26'36"	57.06'
E-10	25'	90°00'00"	39.27'
F-10	25'	67°58'32"	29.66'
G-10	15'	67°58'32"	17.80'
H-10	15'	90°00'00"	23.96'
J-10	15'	90°00'00"	23.96'
K-10	15'	90°00'00"	23.96'

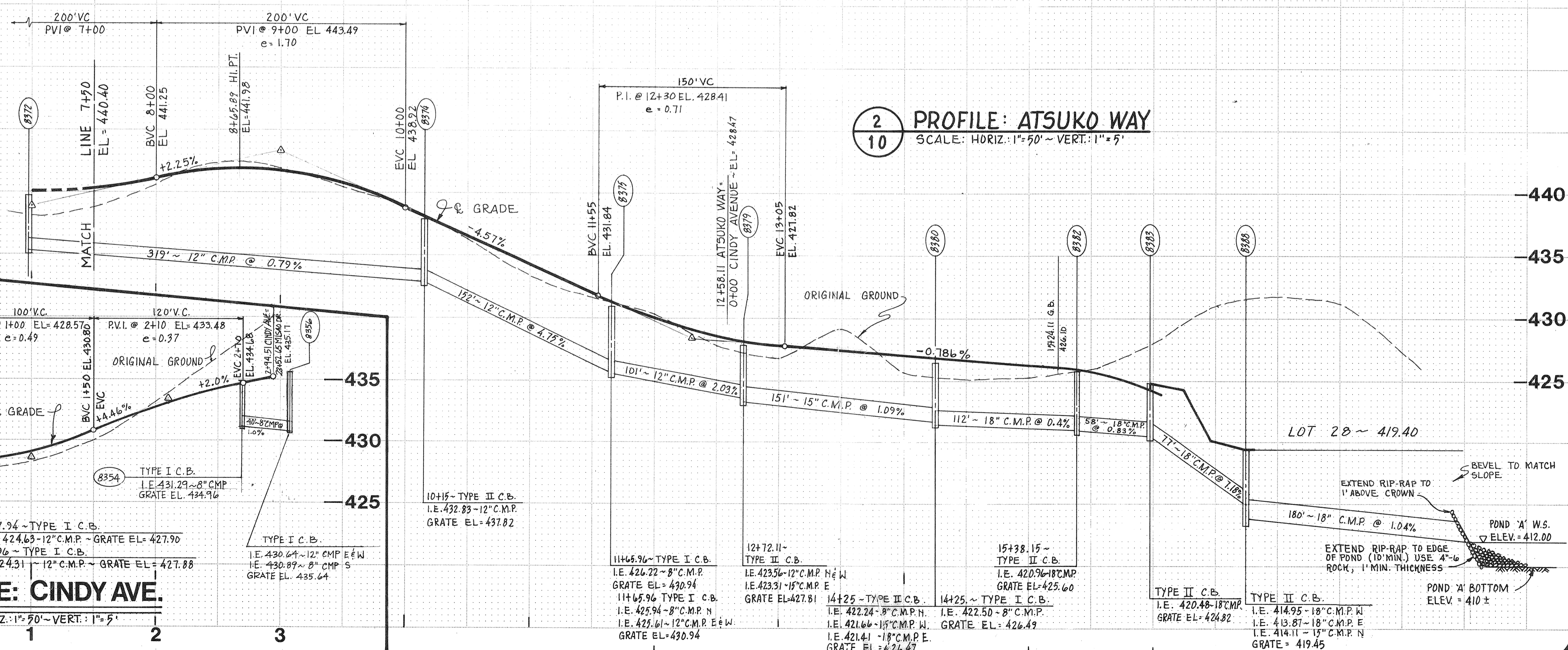
approval
 FOR CONSTRUCTION:

Checked by: *R. D. [Signature]* Feb 27, 1979
 G. E. Wood, P.E.
 CIVIL ENGINEER
 WASHINGTON COUNTY

W & H WILSEY & HAM, INC.
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 631 Strander Boulevard
 Seattle, Washington 98188
 Telephone (206) 575-1420



1 PLAN
 SCALE: 1" = 50'



2 PROFILE: ATSUKO WAY
 SCALE: HORIZ.: 1" = 50' - VERT.: 1" = 5'

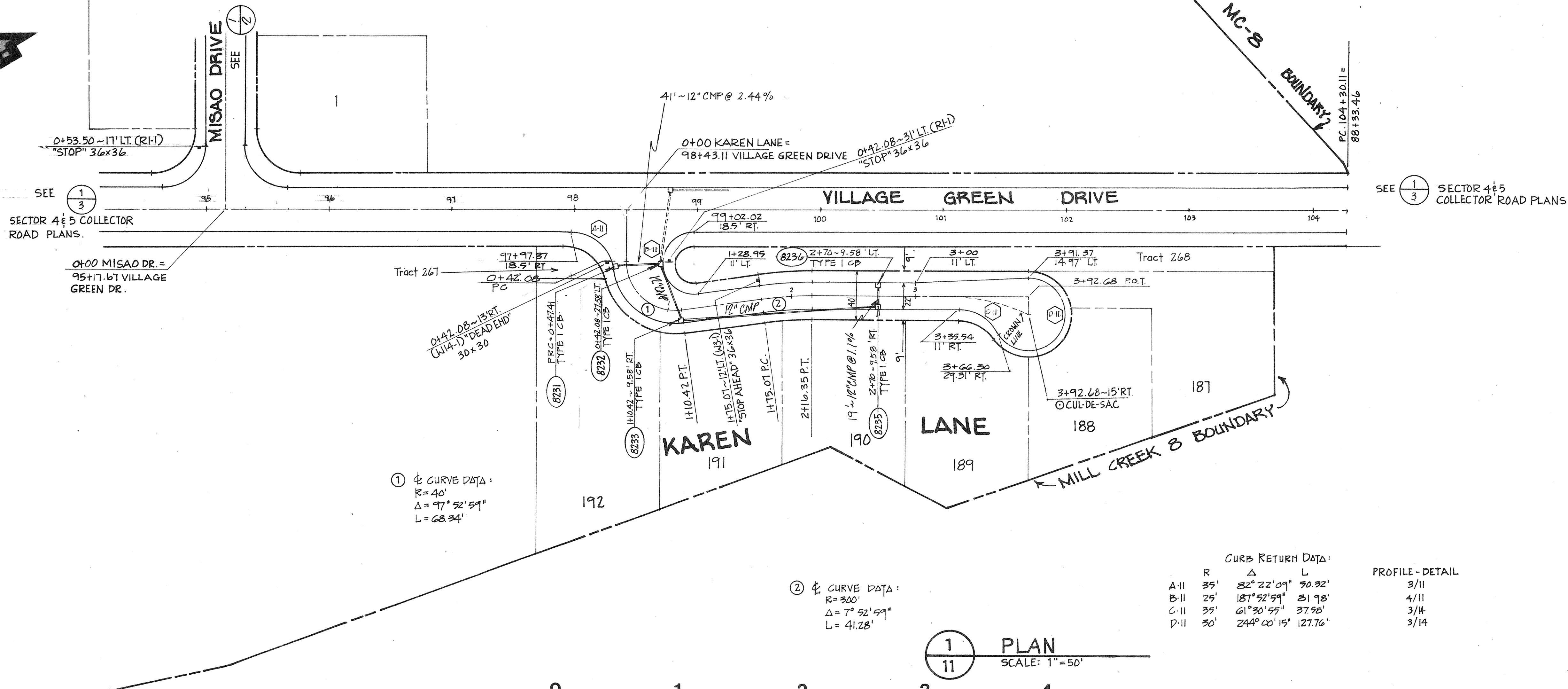
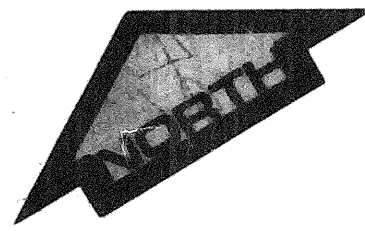
3 PROFILE: CINDY AVE.
 SCALE: HORIZ.: 1" = 50' - VERT.: 1" = 5'

ATSUKO WAY
 sta. 7+50 to 16+00.23
CINDY AVENUE
 sta. 0+00 to 2+94.51



Revisions:
 Date: NOV. 1978
 Scale: AS NOTED
 Designed: R. COUPE
 Drawn: R.L.L.
 Checked: M.M.C.
 Approved: R. Coupe
 Dwg. Number: 3-2091-1001-20-D1
 SHEET
10 of 14

VINEMAPLE, WILLOWS



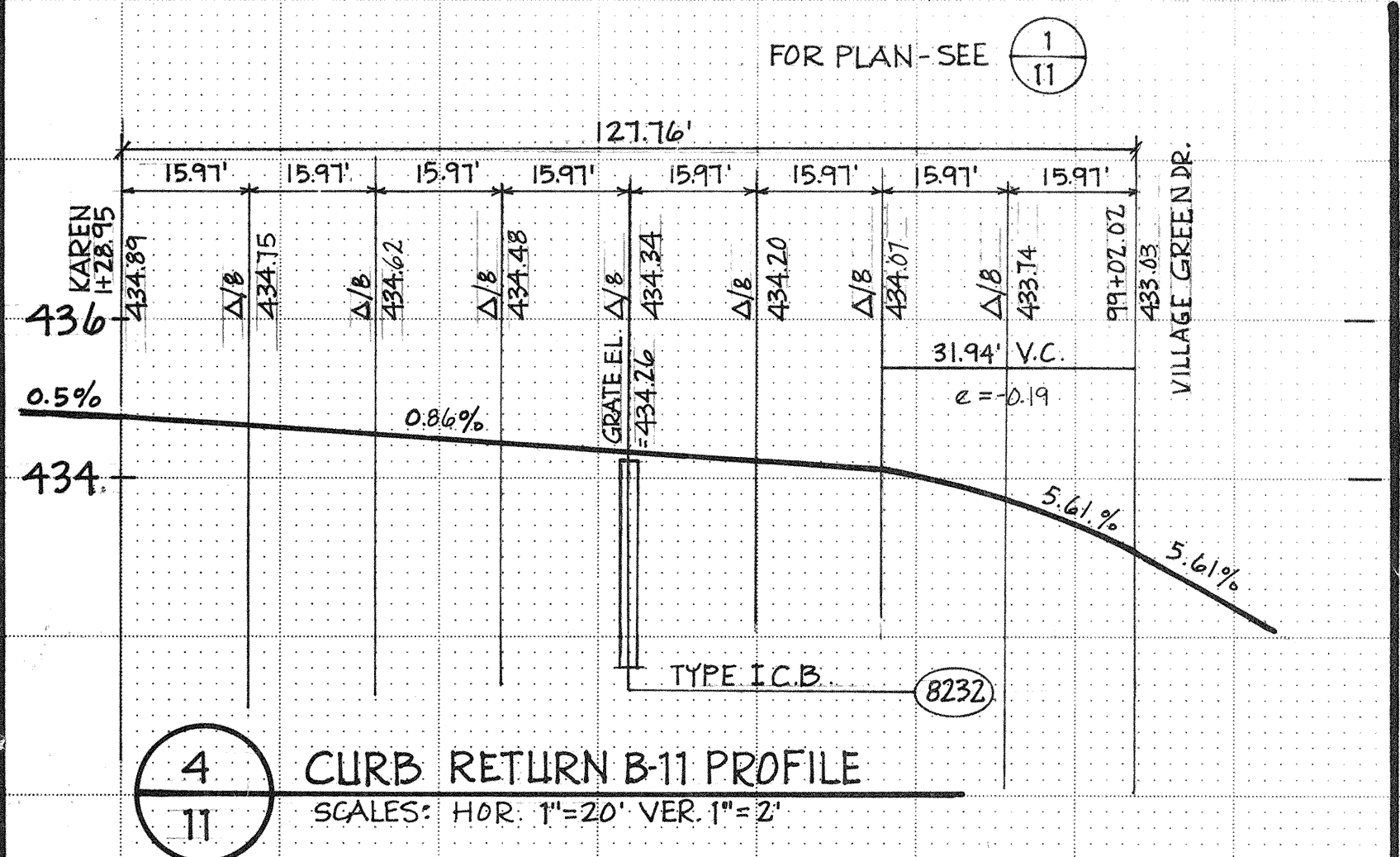
① CURVE DATA:
 R = 40'
 Δ = 97° 52' 59"
 L = 68.34'

② CURVE DATA:
 R = 300'
 Δ = 7° 52' 59"
 L = 41.28'

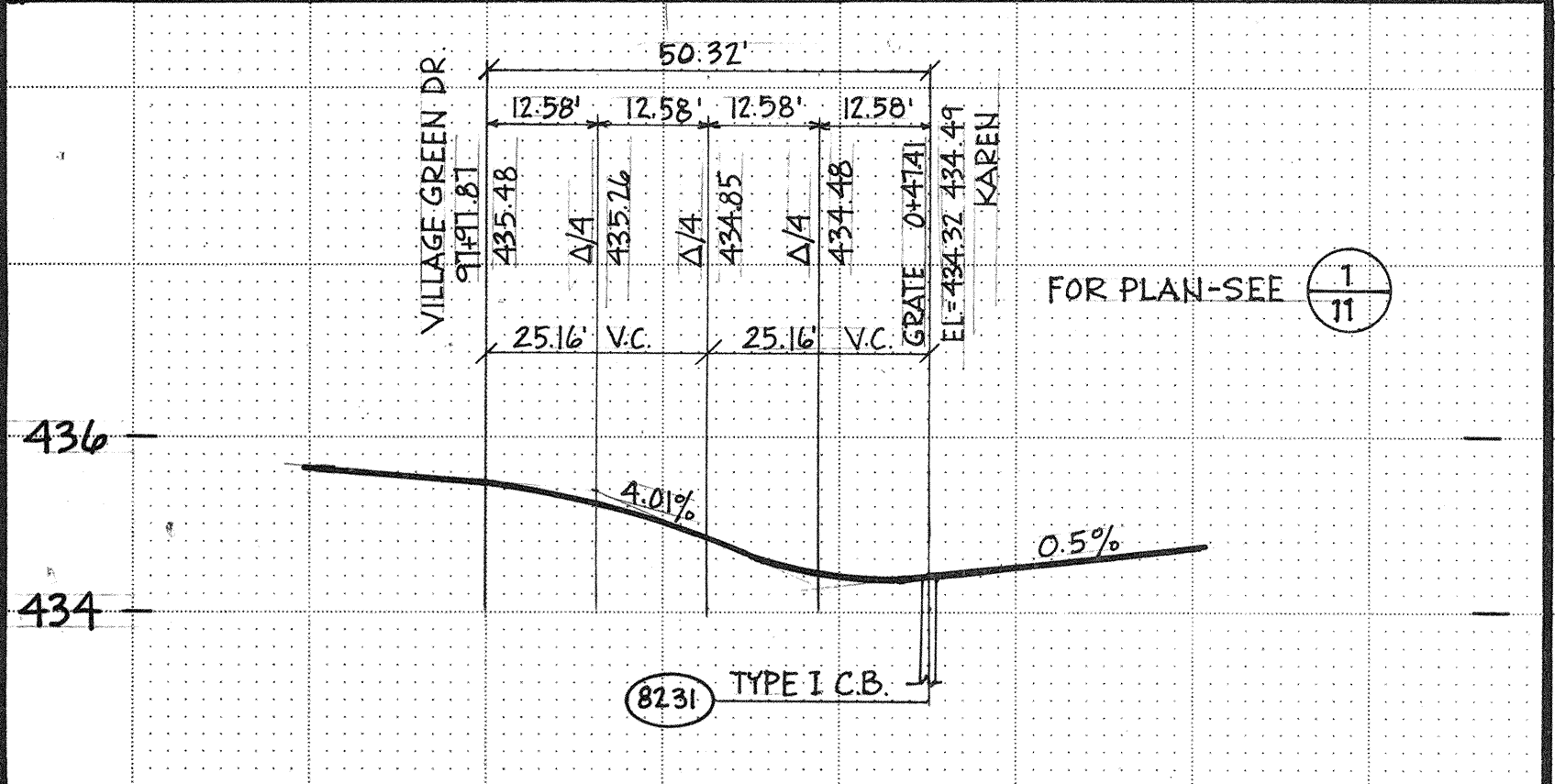
CURB RETURN DATA:

R	Δ	L	PROFILE - DETAIL	
A-II	35'	82° 22' 09"	30.92'	3/11
B-II	25'	187° 52' 59"	81.78'	4/11
C-II	35'	61° 30' 59"	37.98'	3/14
D-II	30'	244° 00' 15"	127.76'	3/14

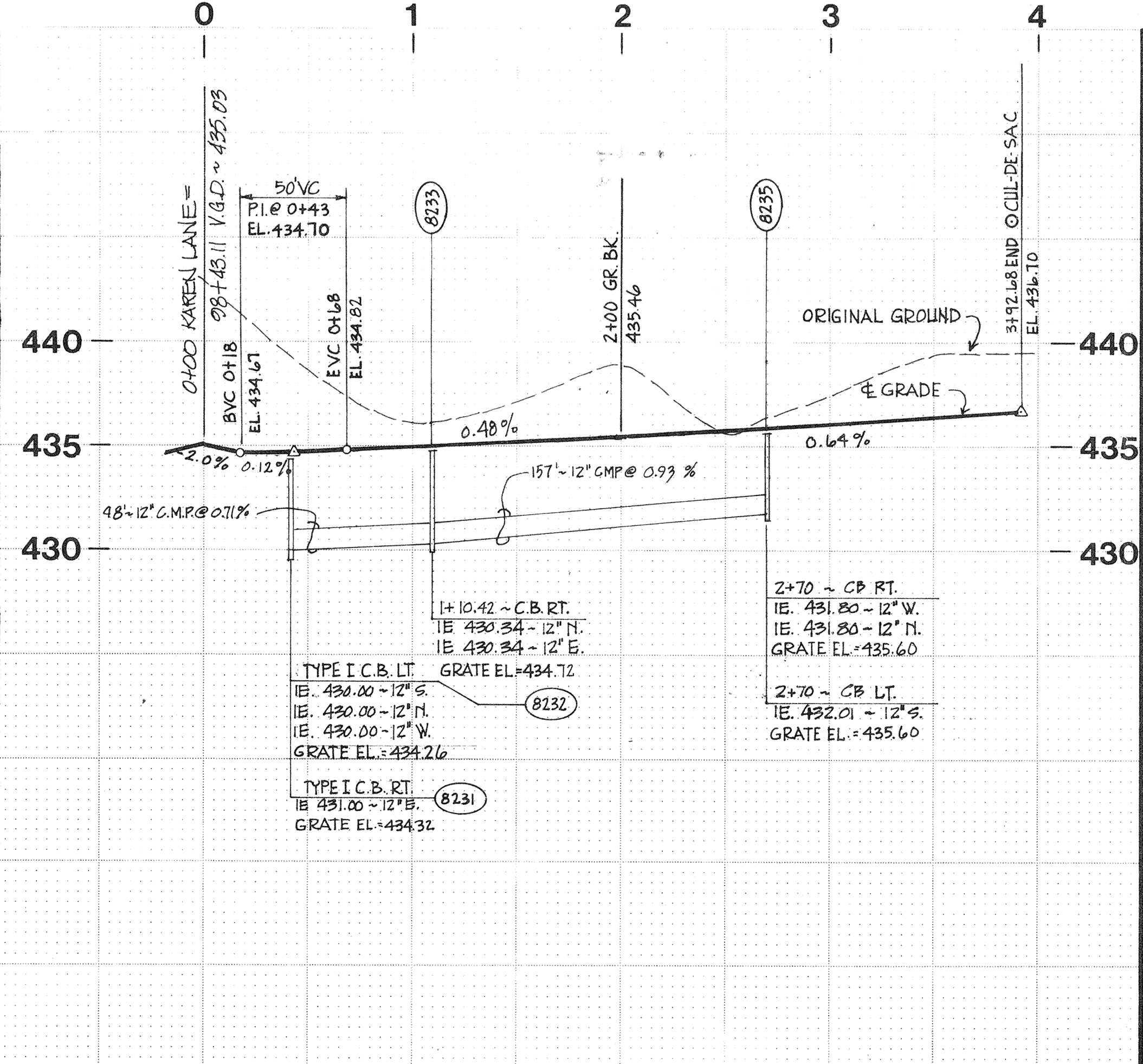
1 PLAN
 SCALE: 1" = 50'



4 CURB RETURN B-11 PROFILE
 SCALES: HOR. 1" = 20' VER. 1" = 2'



3 CURB RETURN A-11 PROFILE
 SCALES: HOR. 1" = 20' VER. 1" = 2'



2 PROFILE - KAREN LANE
 SCALES: HOR. 1" = 50' VER. 1" = 5'

approval
 FOR CONSTRUCTION:
 G.E. Wood by R.G. Johnson Feb 27, 1978
 GEORGE W. WILSEY, P.E.
 SNOWHURST COUNTY
 ENGINEER

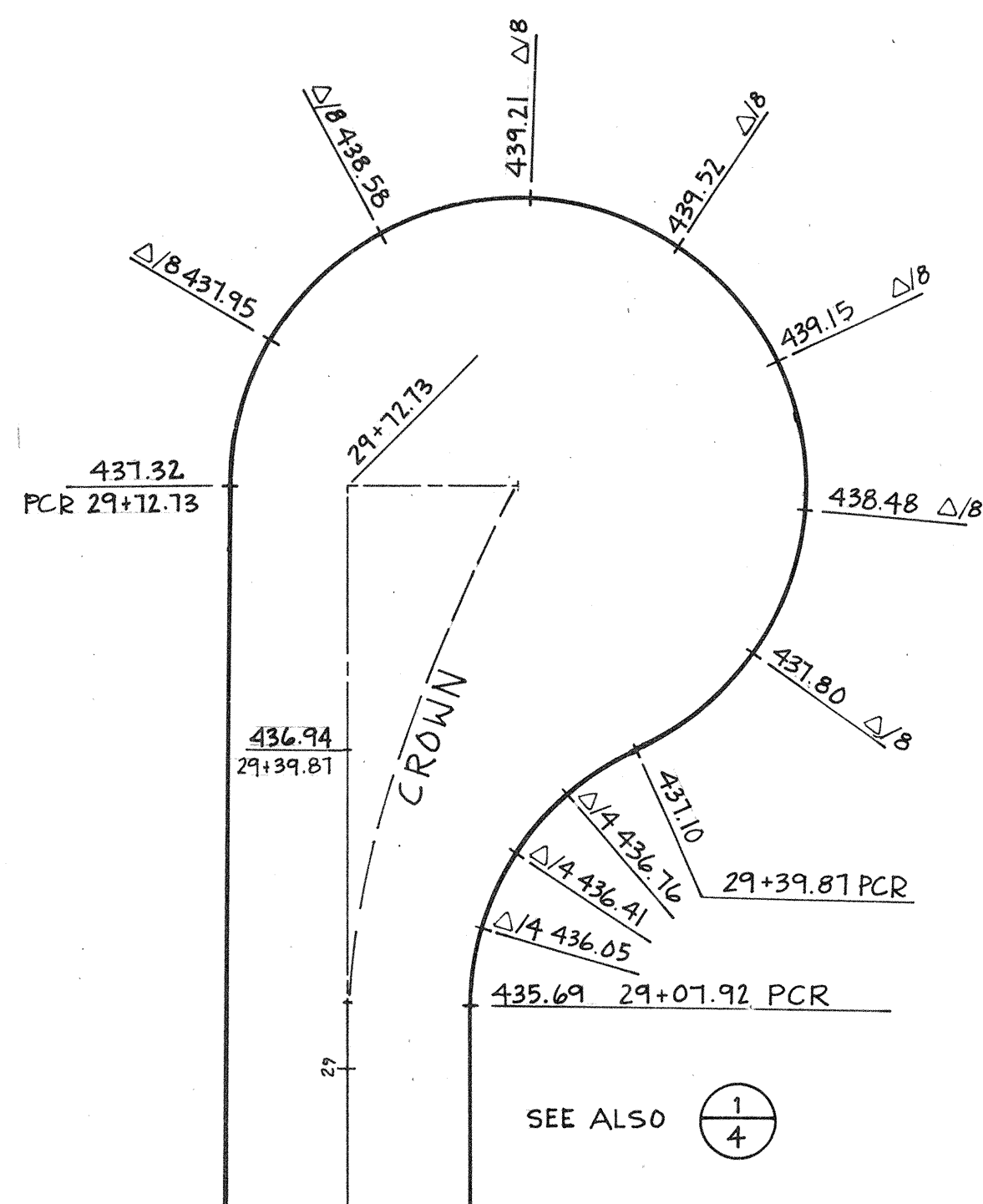
WH WILSEY & HAM, INC.
 ENGINEERING • PLANNING • SURVEYING
 ENVIRONMENTAL ANALYSIS •
 631 Strandor Boulevard
 Seattle, Washington 98188
 Telephone (206) 575-1420

MILL CREEK
KAREN LANE
 sta. 0+00 to 3+92.68
 M.C. 8

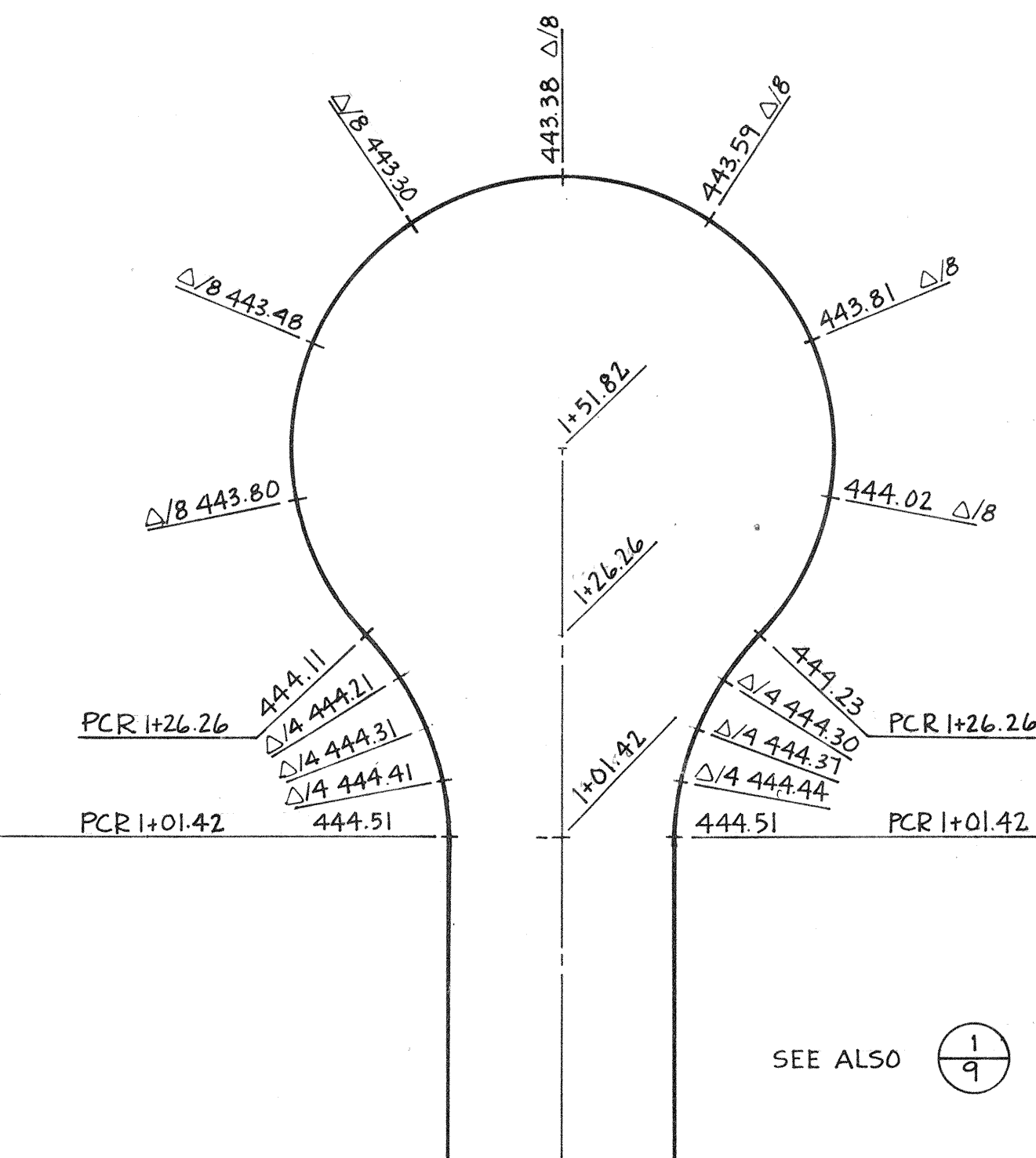
Revisions:
 Date: NOV 1978
 Scale: AS NOTED
 Designed: R. COUPE
 Drawn: RLL
 Checked: MWC
 Approved: R. Coupe
 Dwg. Number: 3-2031-1001-20-D1
 SHEET: 11 of 14

VINEMAPLE, WILLOWS

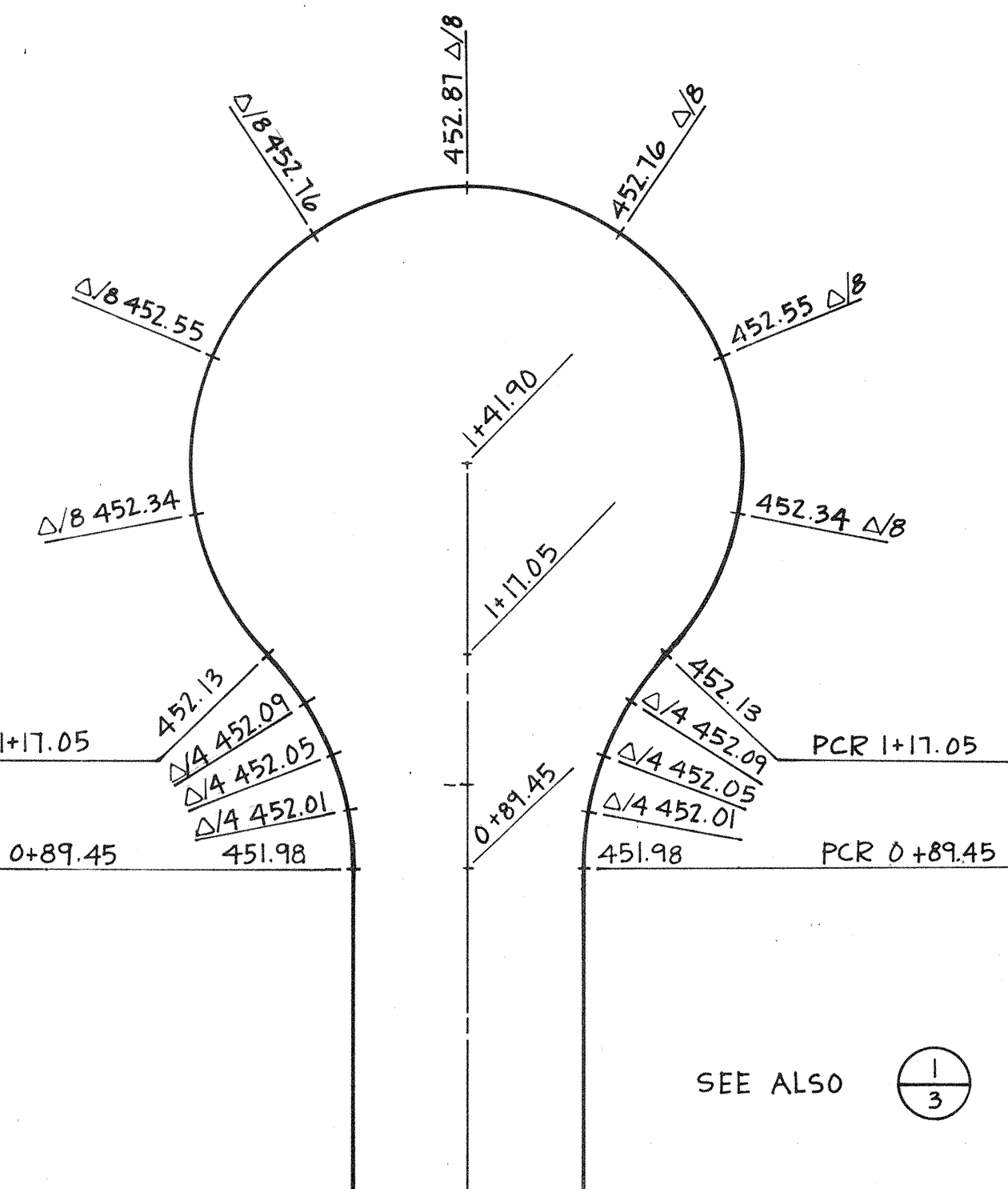
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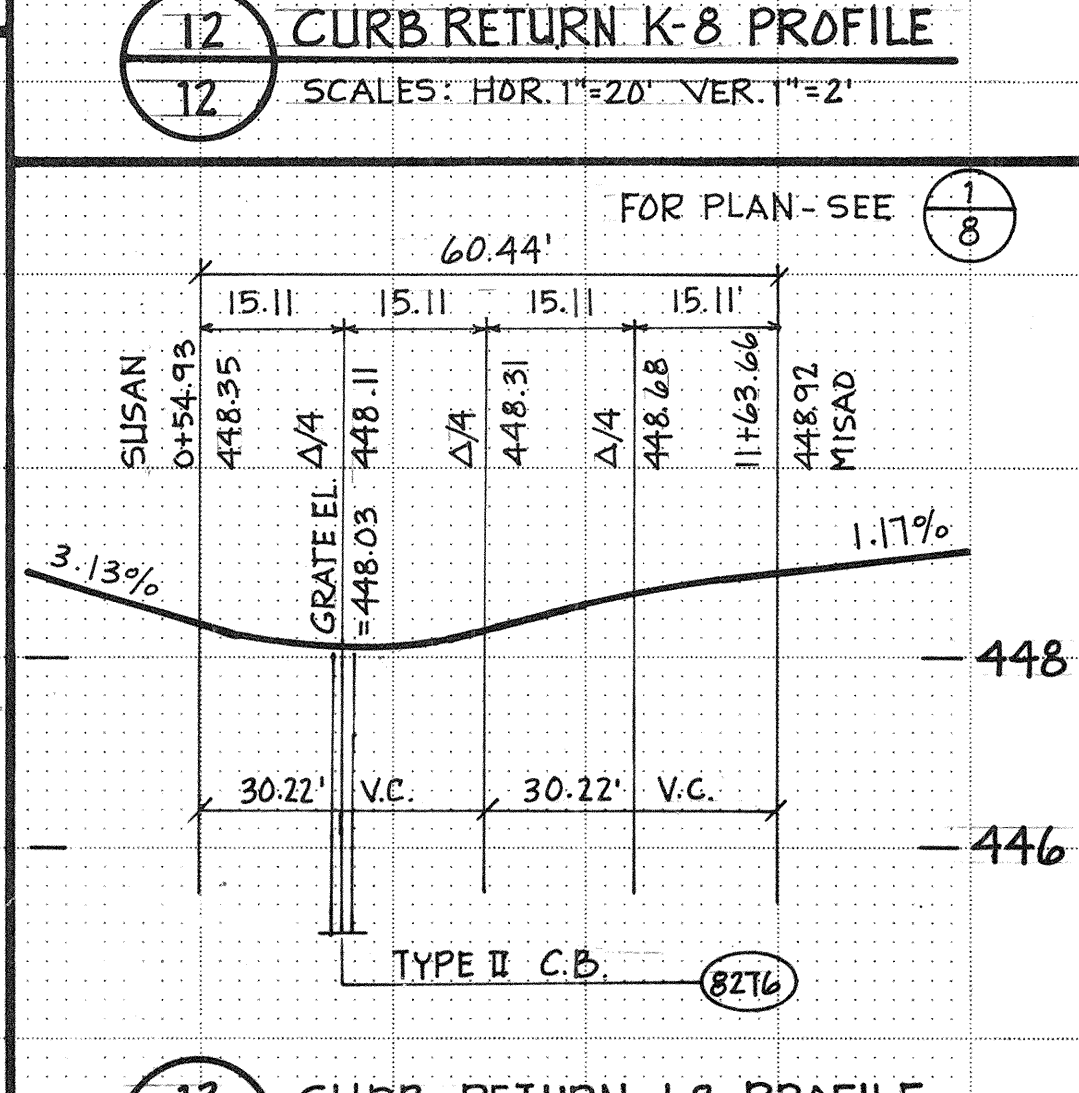
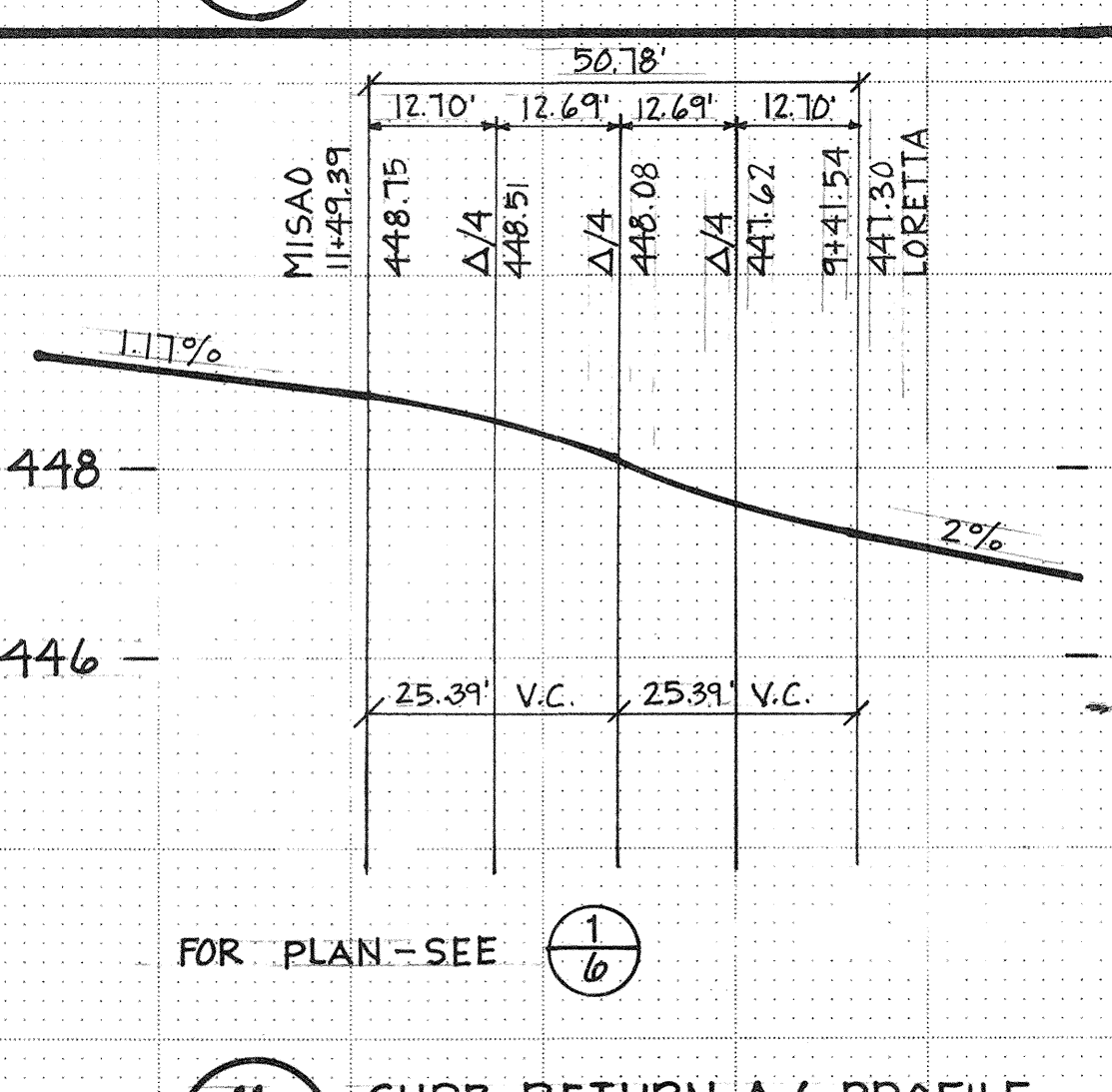
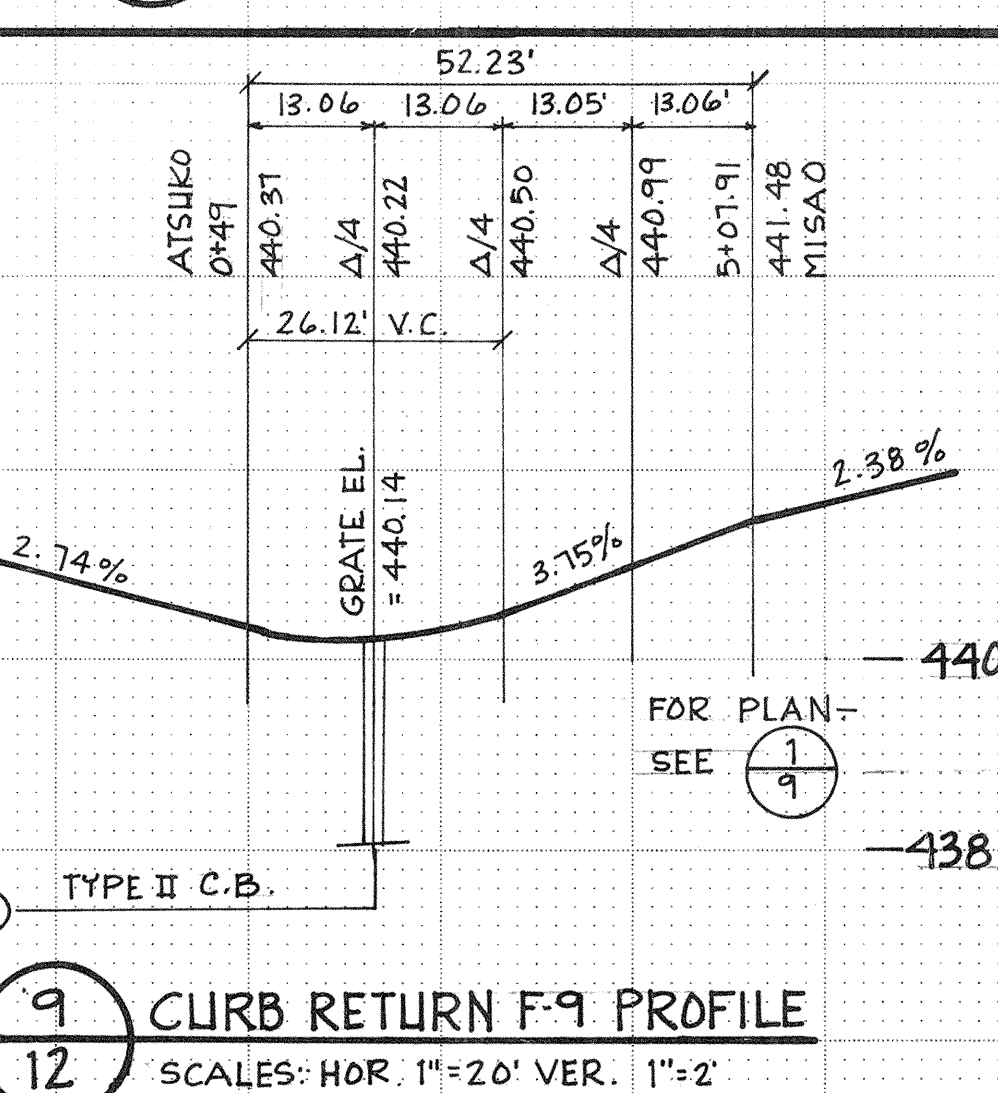
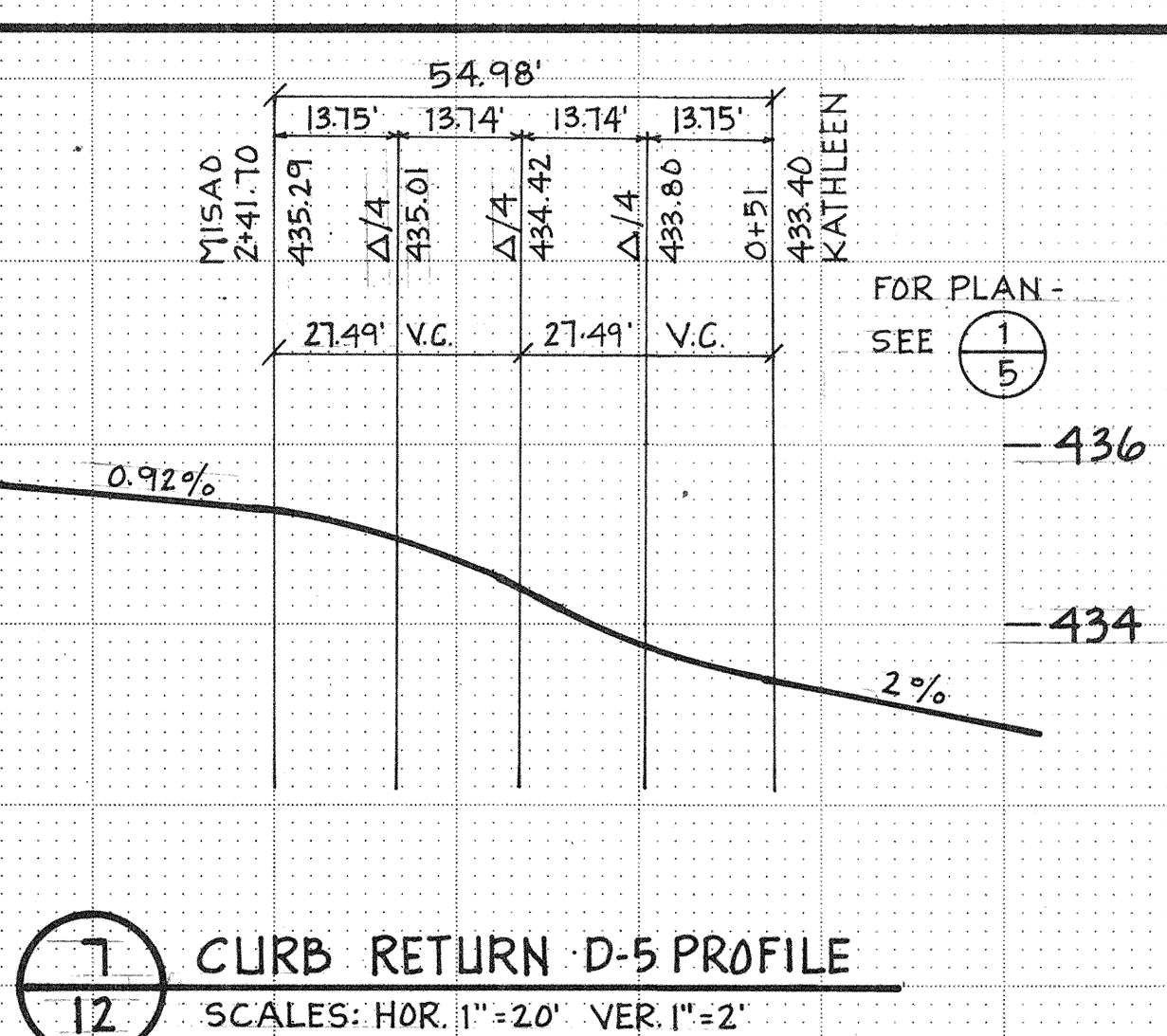
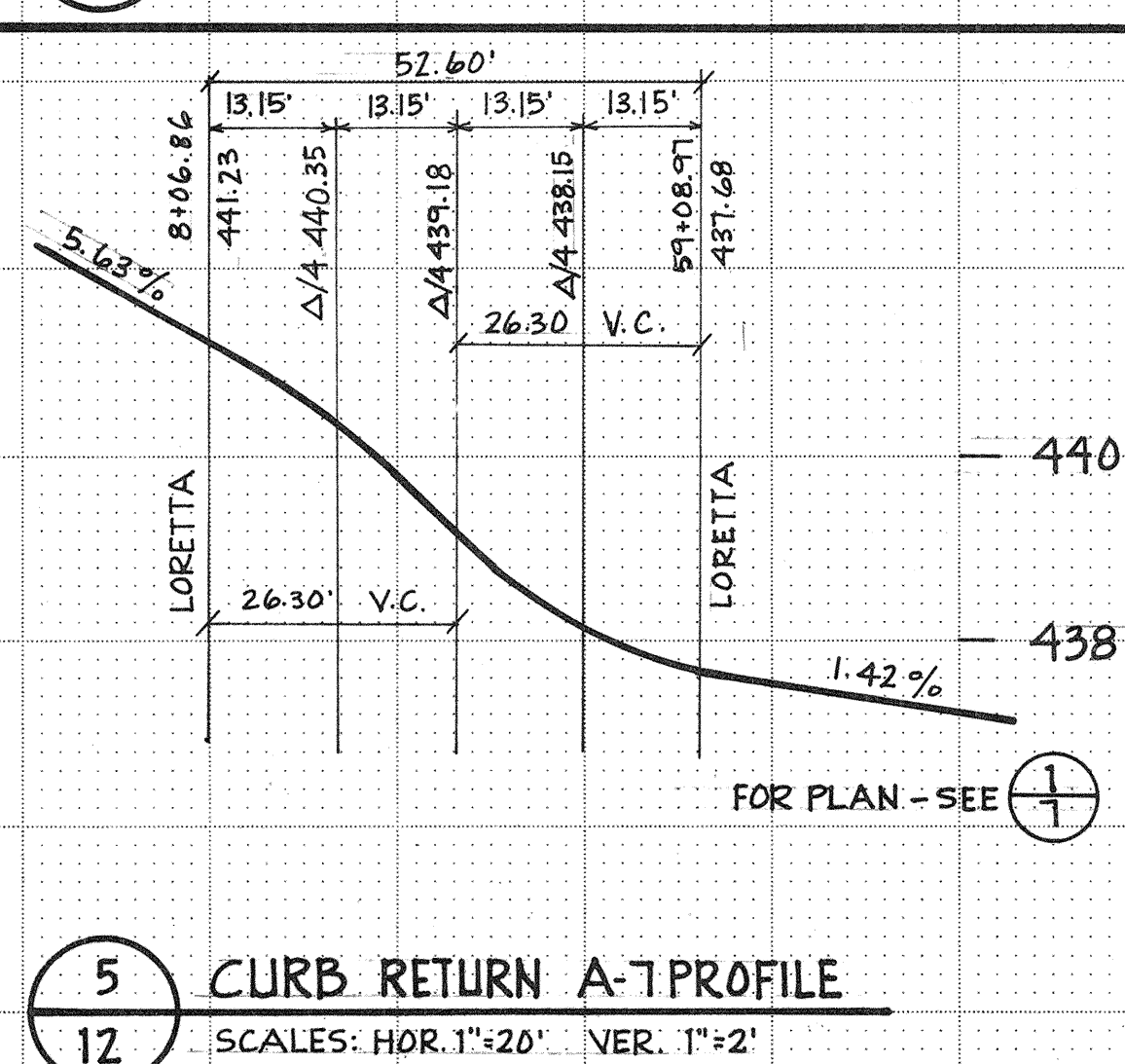
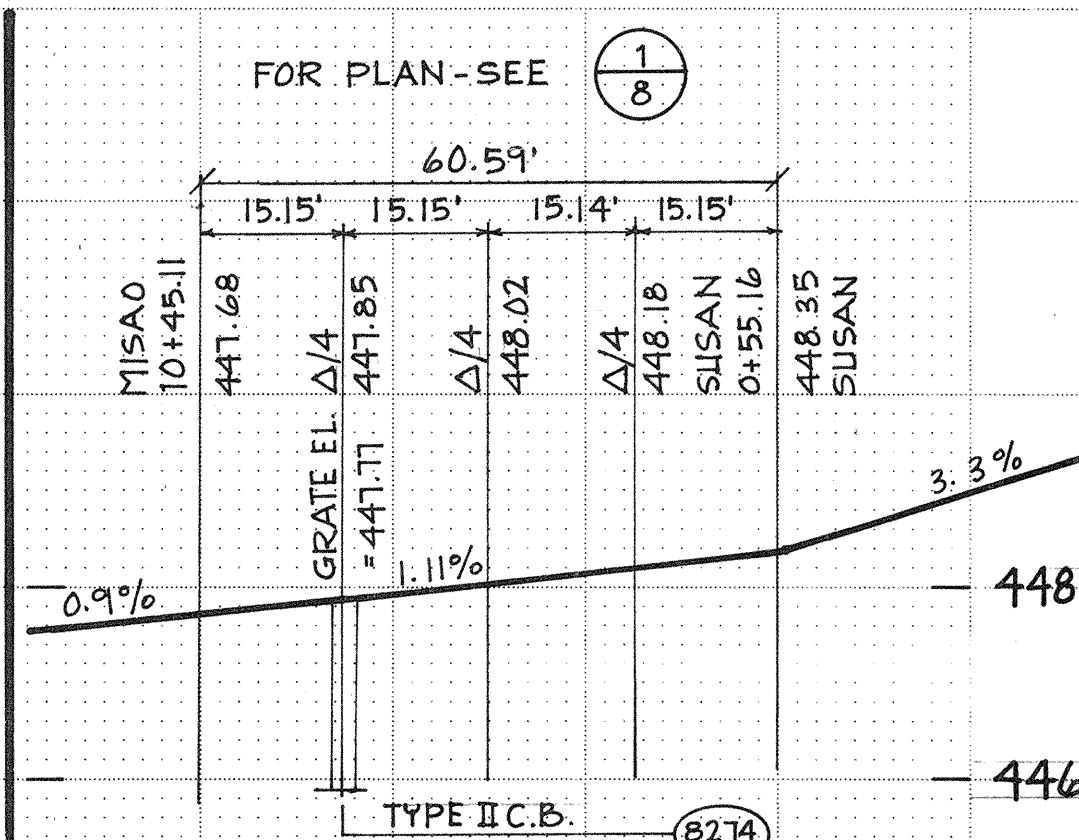
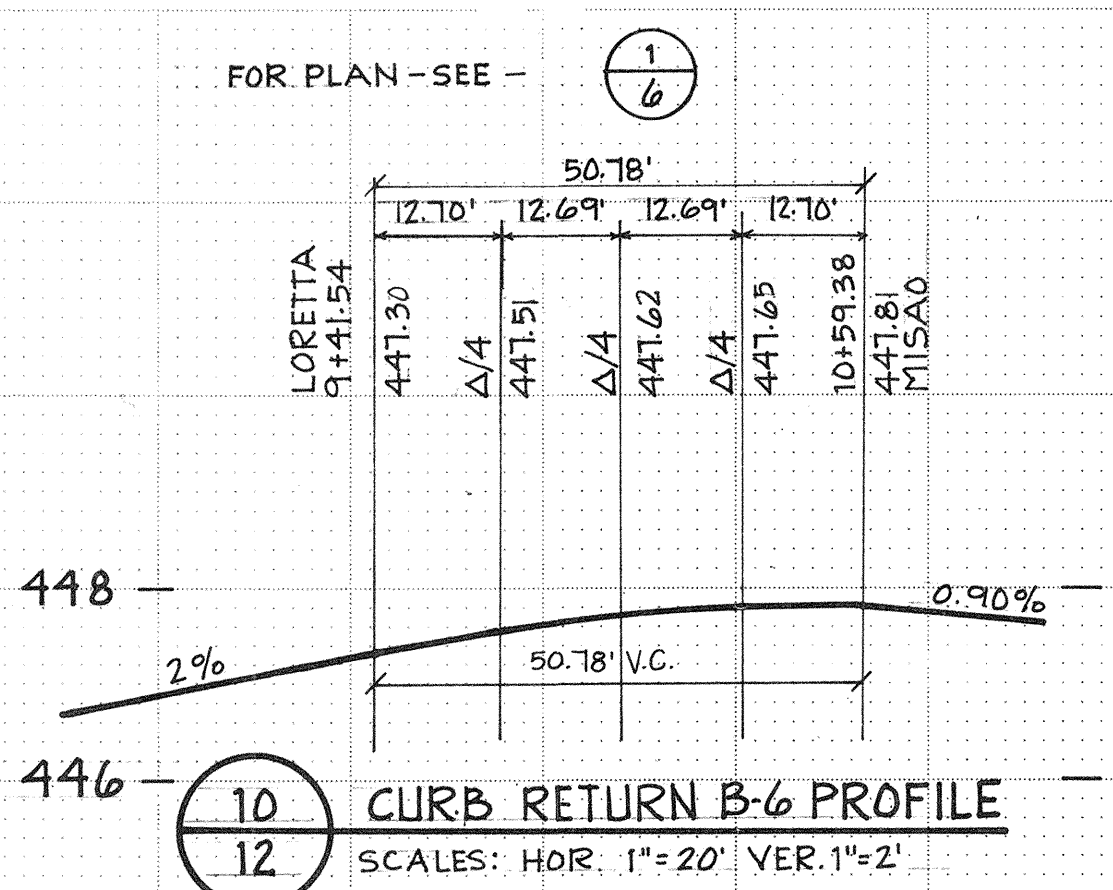
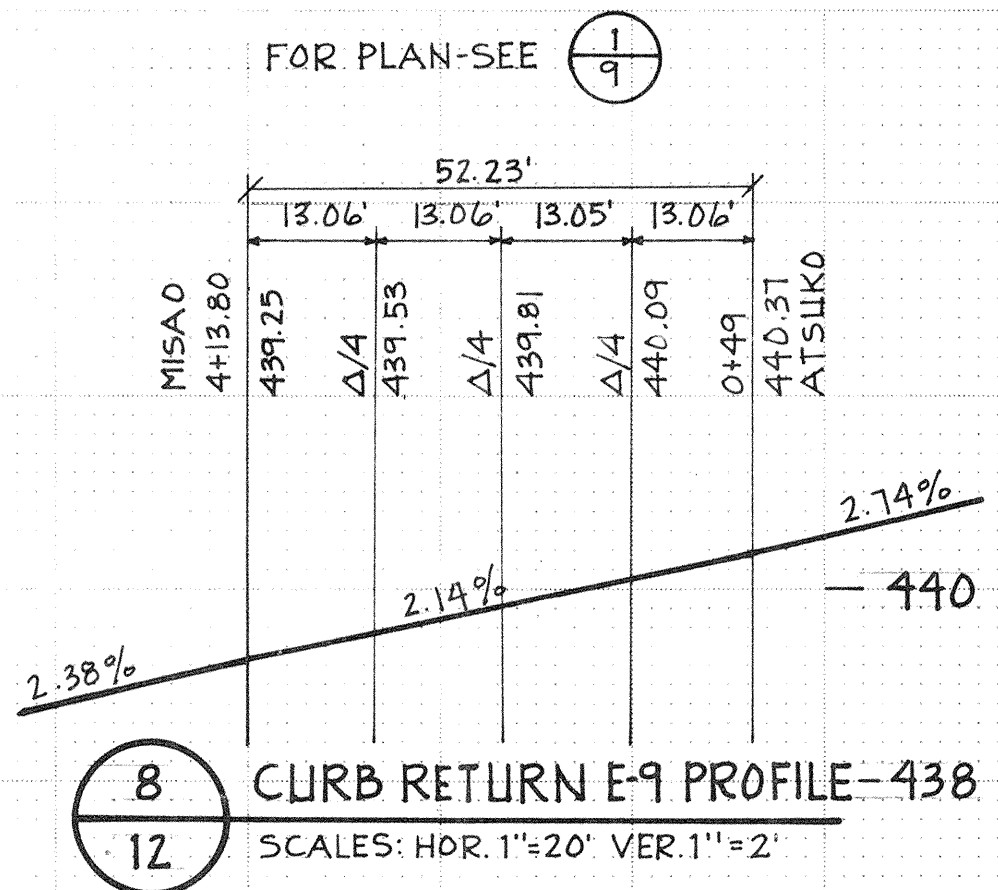
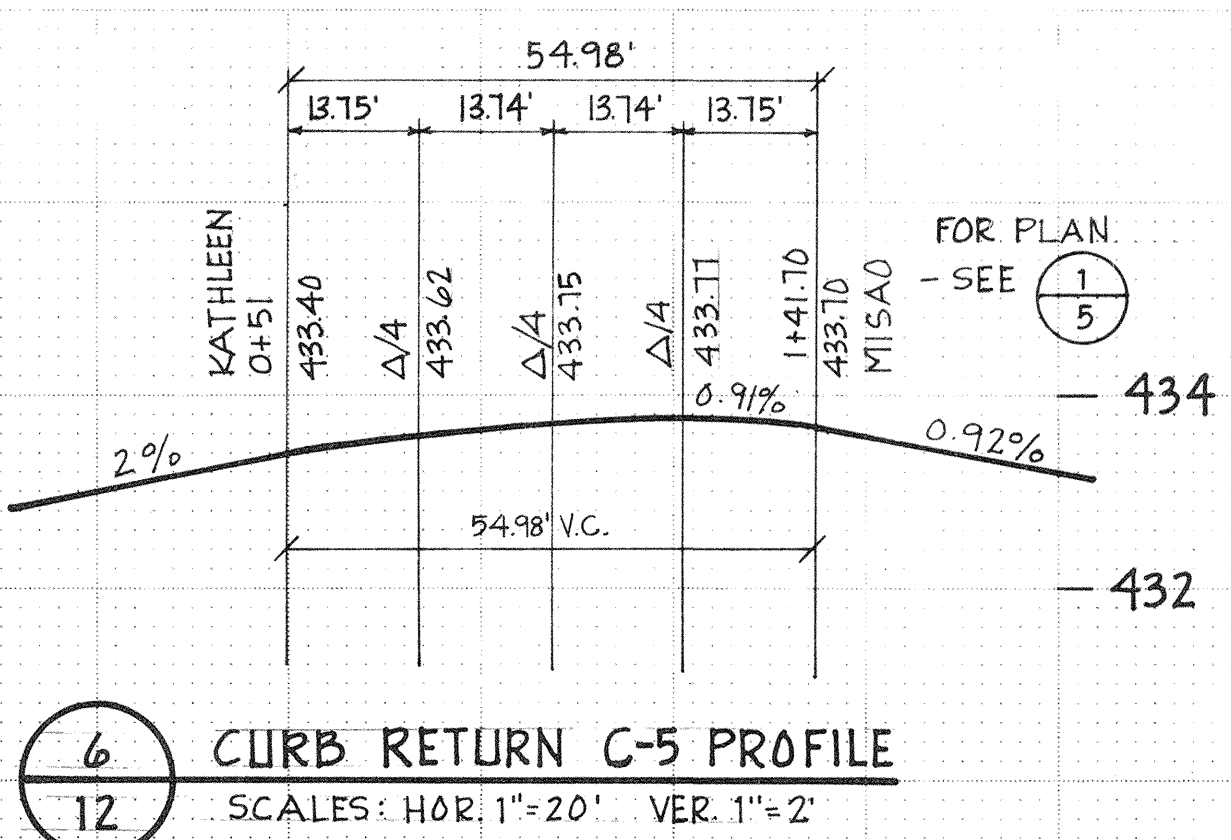
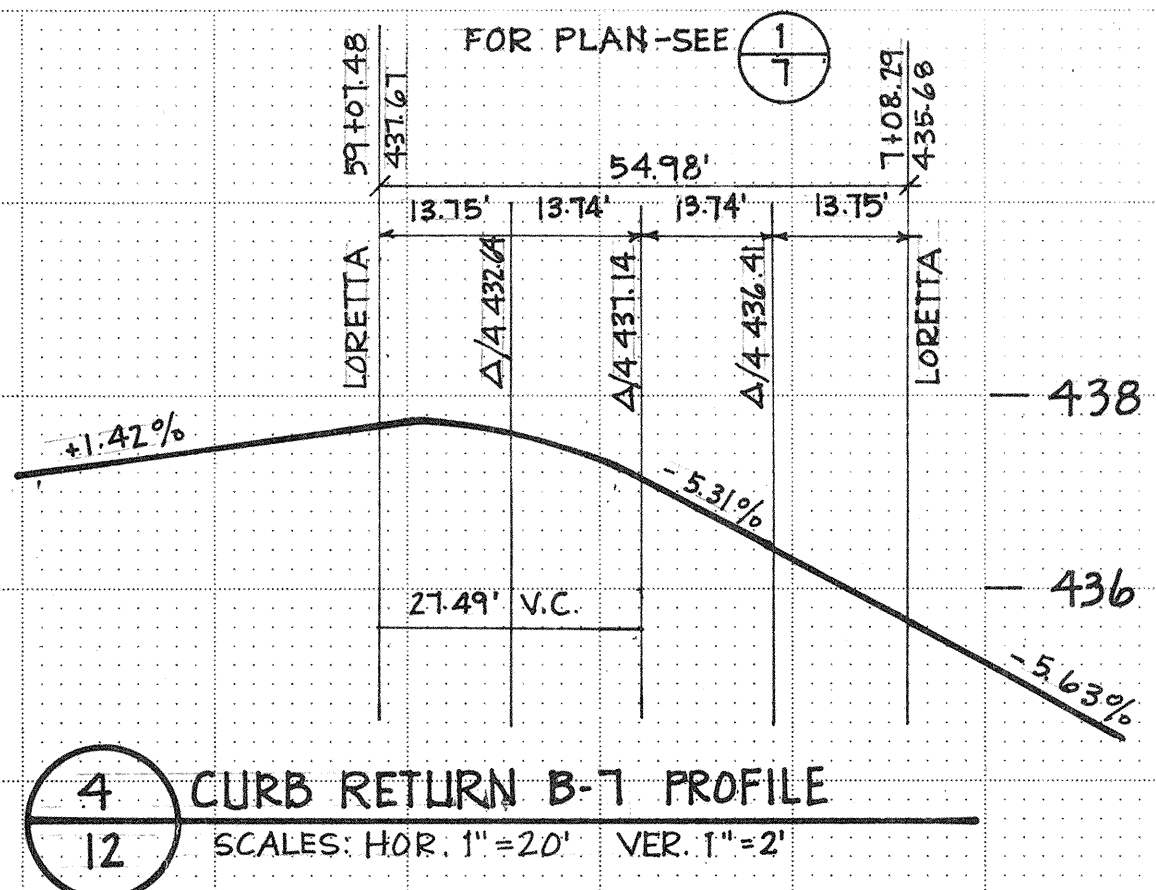
1
12 Misao Dr. Cul-de-sac
SCALE: 1"=20'



2
12 Nellie Ct. Cul-de-sac
SCALE: 1"=20'



3
12 Janet Ct. Cul-de-sac
SCALE: 1"=20'



approval FOR CONSTRUCTION!

Seal of the State of Washington, Registered Professional Engineer, No. 21919, Date of Expiration 02/21/1979, Gerald E. Weid, P.E., Snohomish County Engineer.

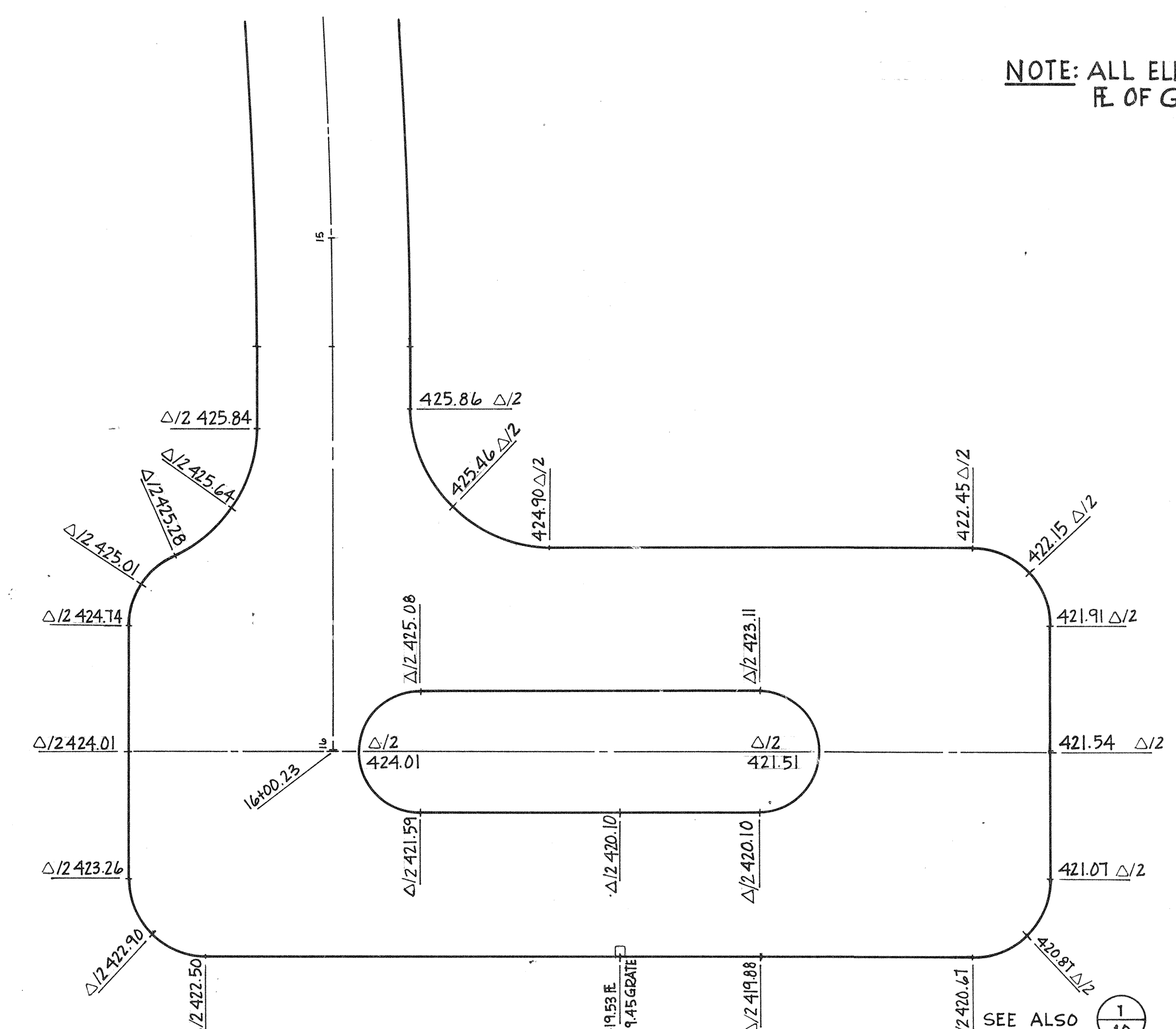
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MILK CREEK GUTTER GRADES

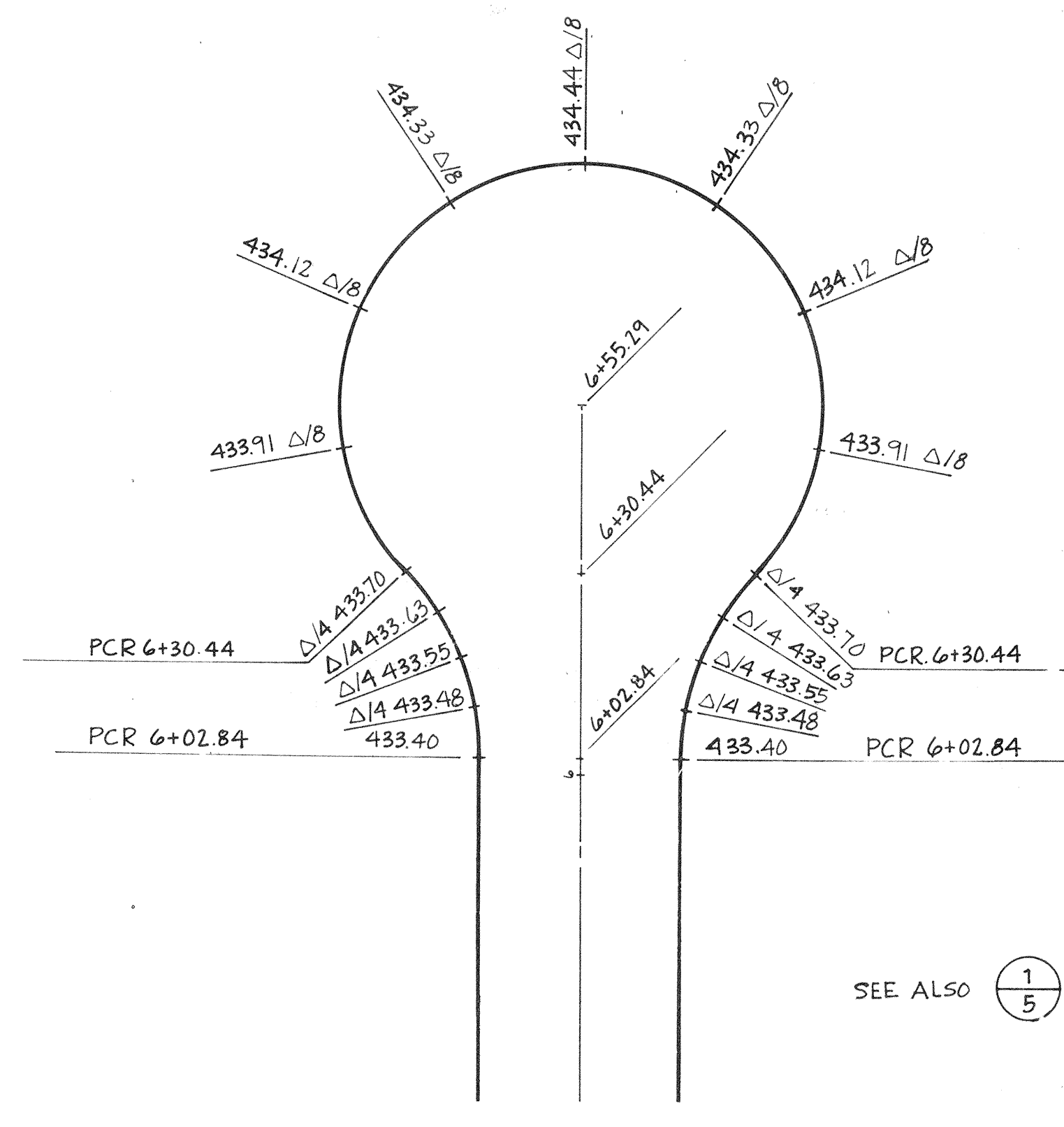
REVISIONS
 Date: NOV. 1978
 Scale: AS NOTED
 Designed: MJC
 Drawn: RLL
 Checked: RMC
 Approved: R Coupe
 Dwg. Number: 3-2091-1001-20-D
 SHEET: 12.14
 of 14
 HDEV-509

VINEMAPLE, WILLOWS

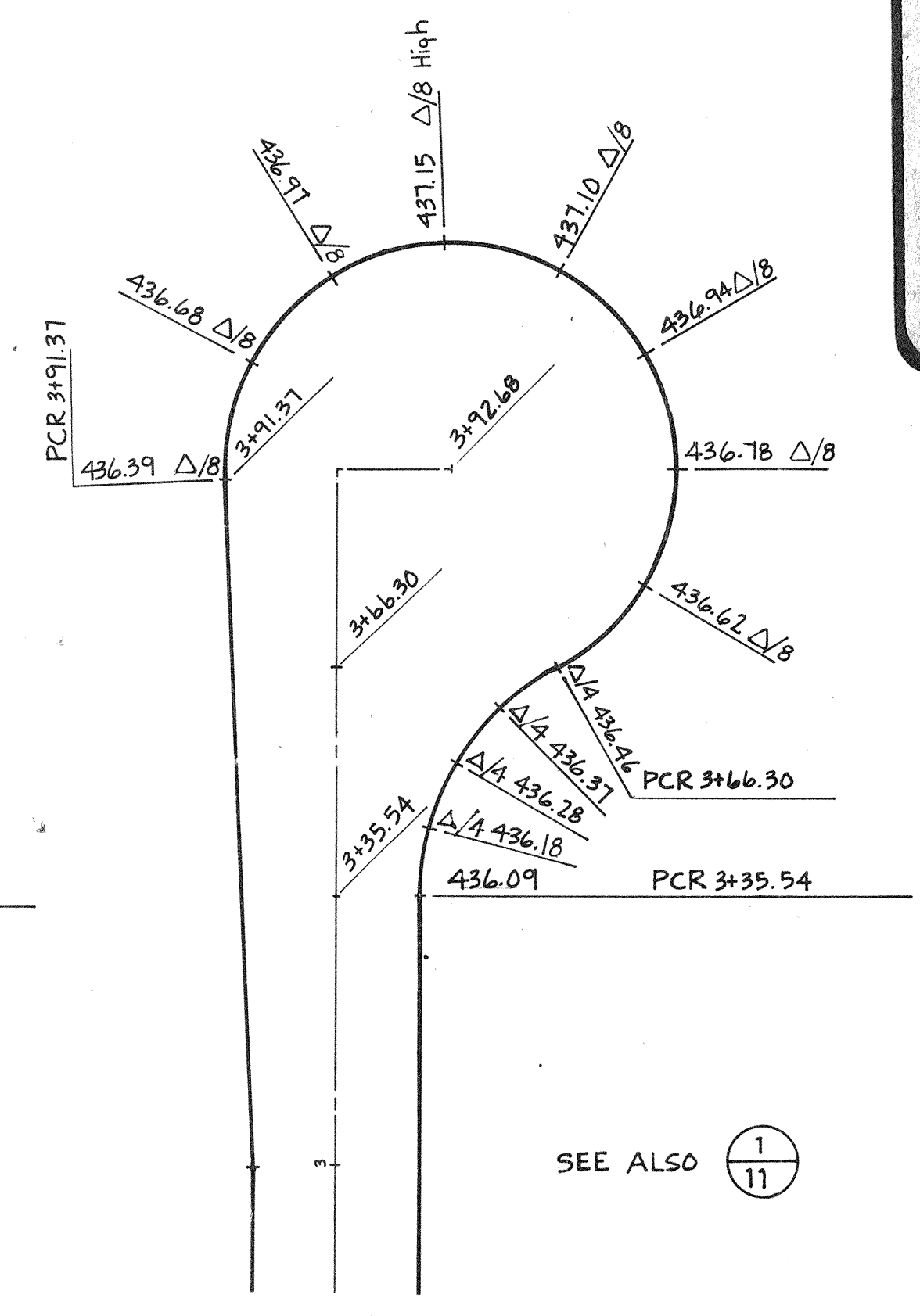
NOTE: ALL ELEVATIONS SHOWN ON THIS SHEET ARE
 RE. OF GLITTER UNLESS OTHERWISE NOTED.



1
14 **Atsuko Way Cul-de-sac**
 SCALE: 1" = 20'



2
14 **Kathleen Ct. Cul-de-sac**
 SCALE: 1" = 20'

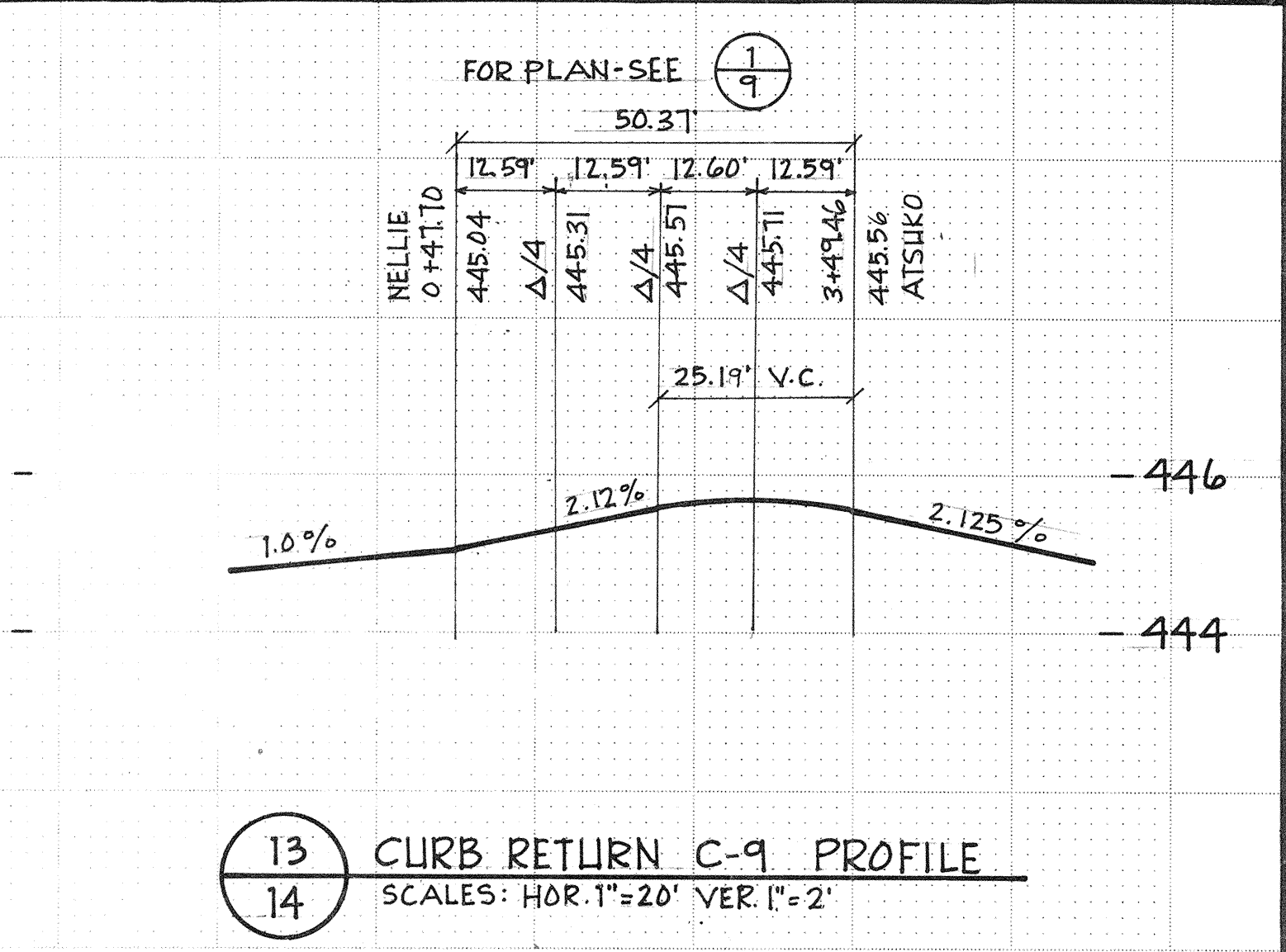
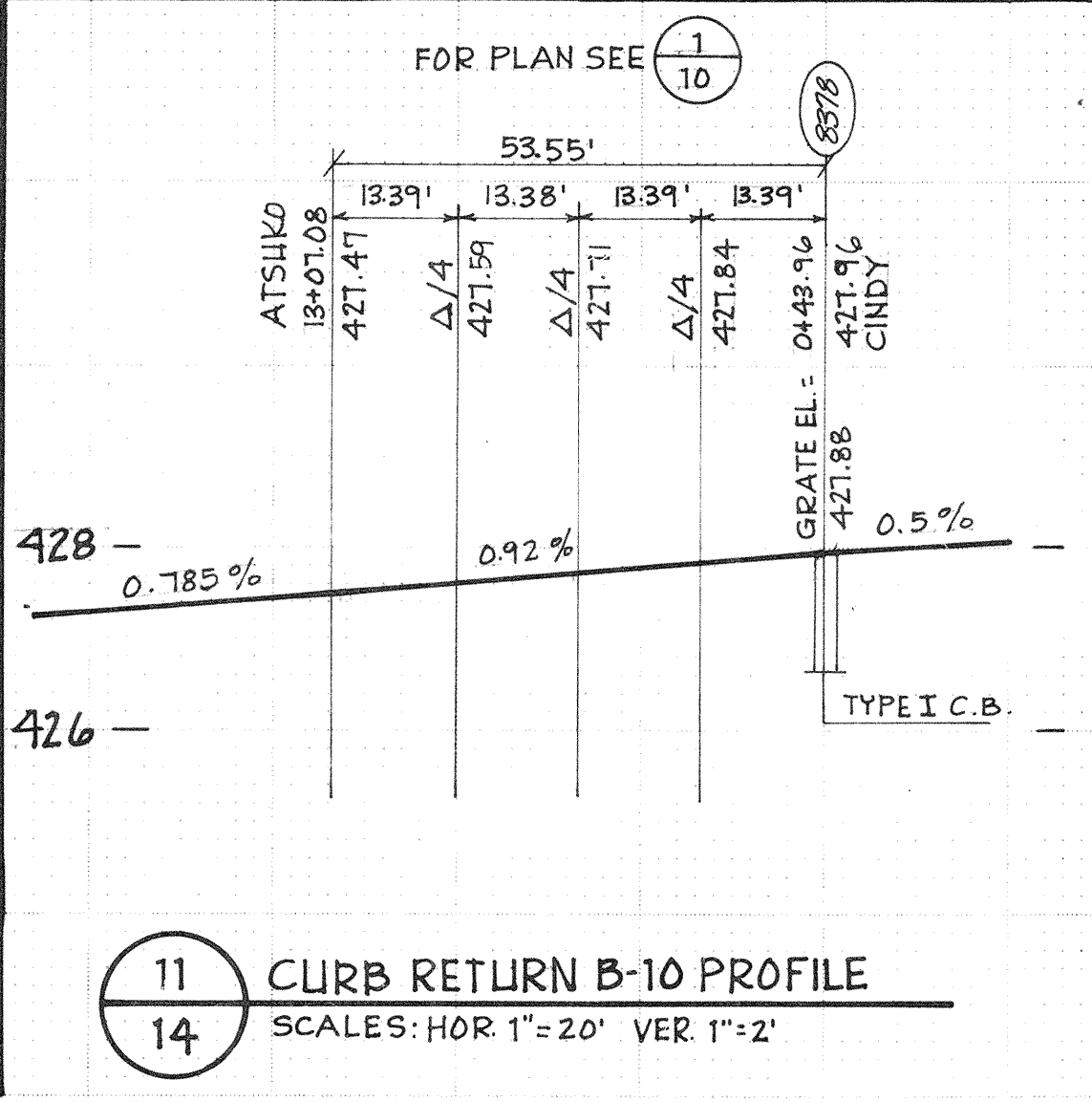
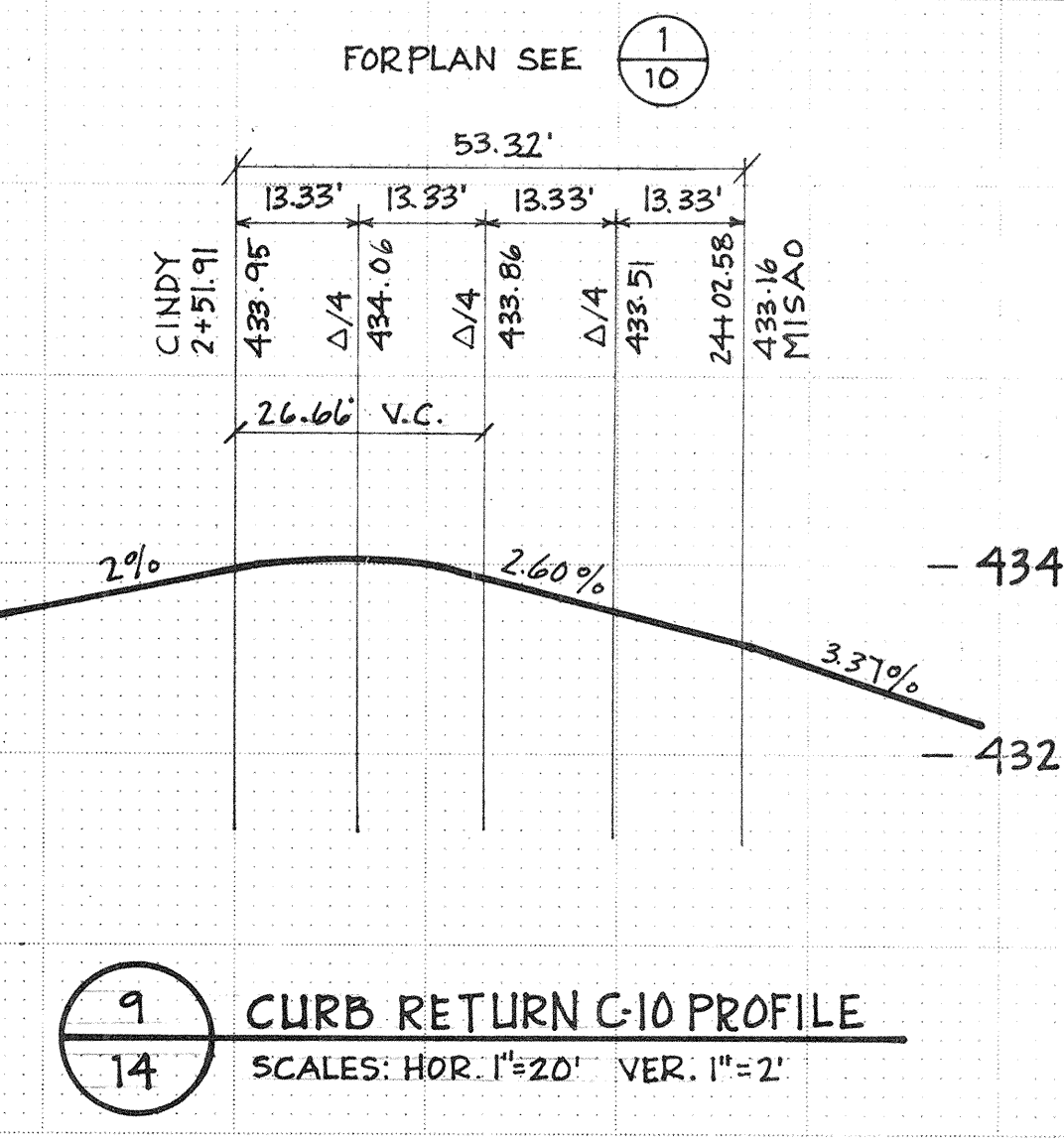
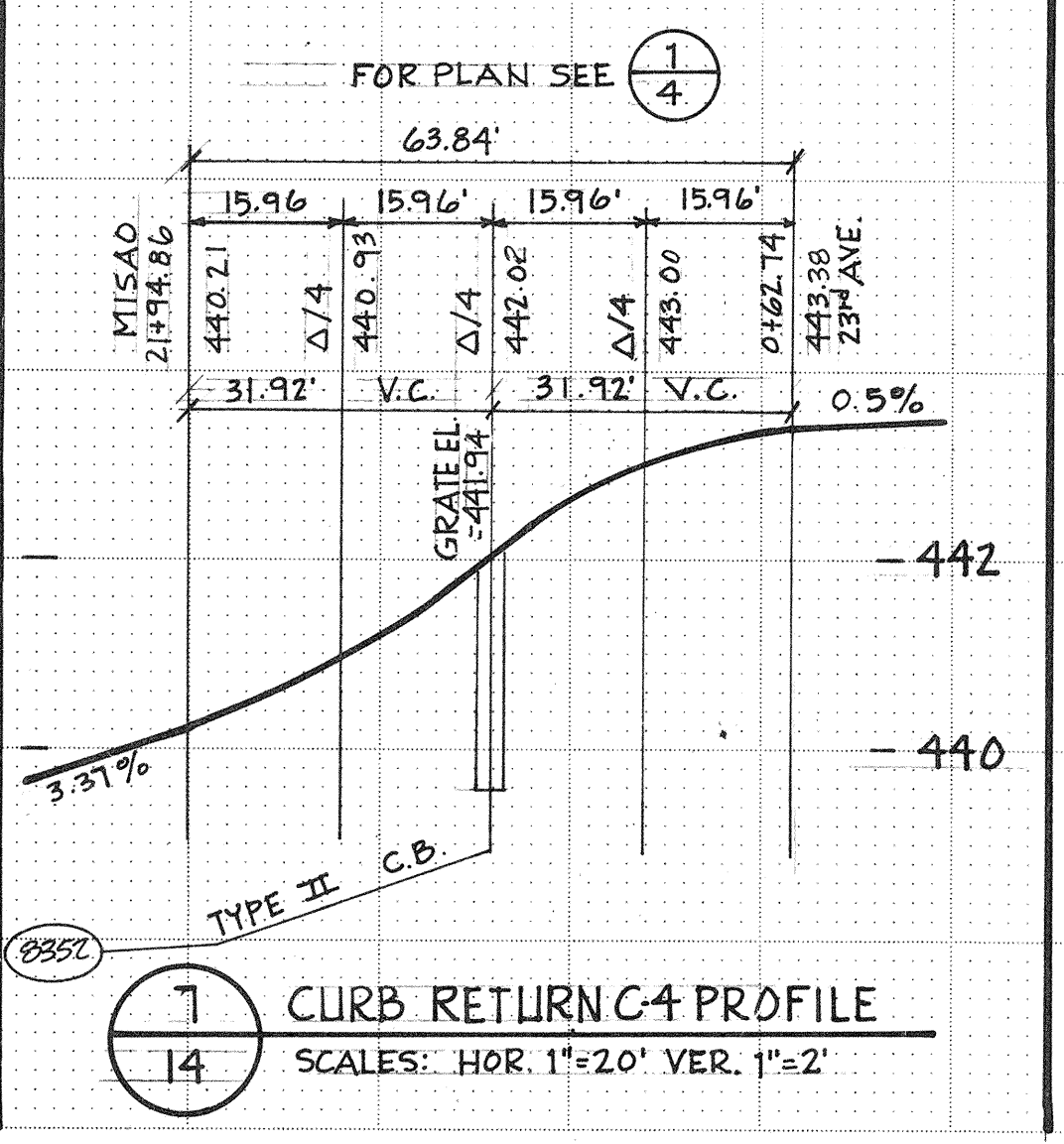
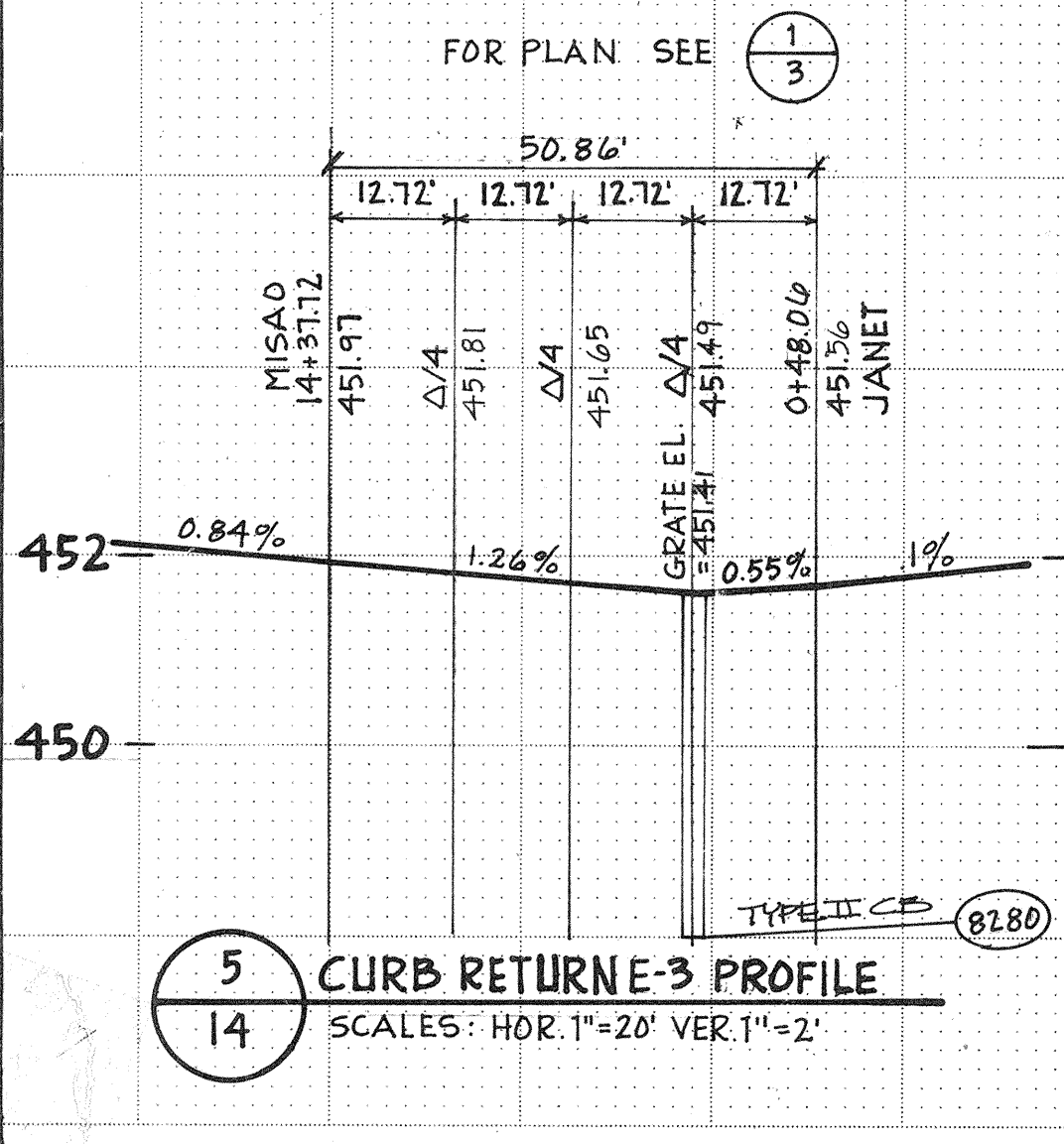
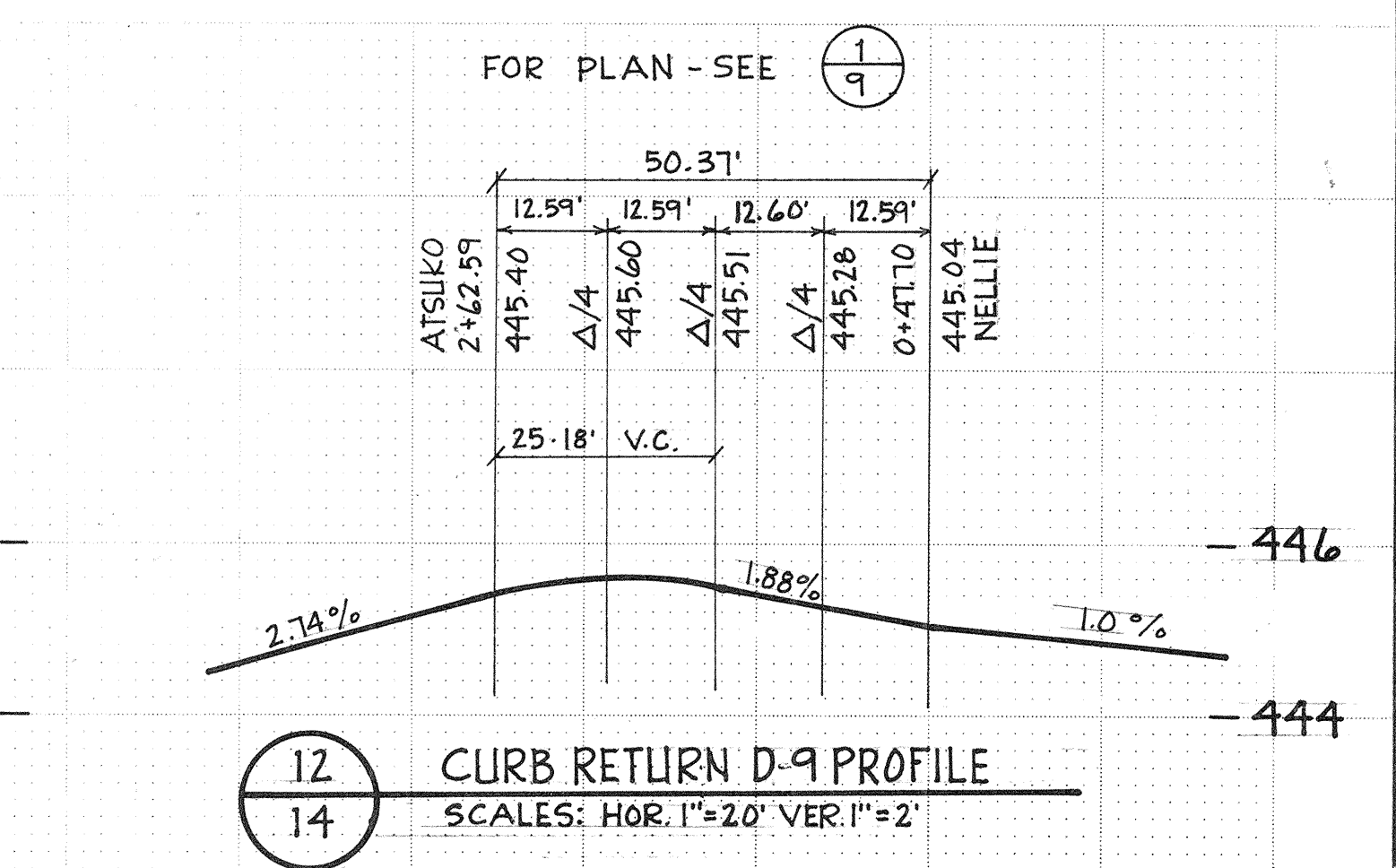
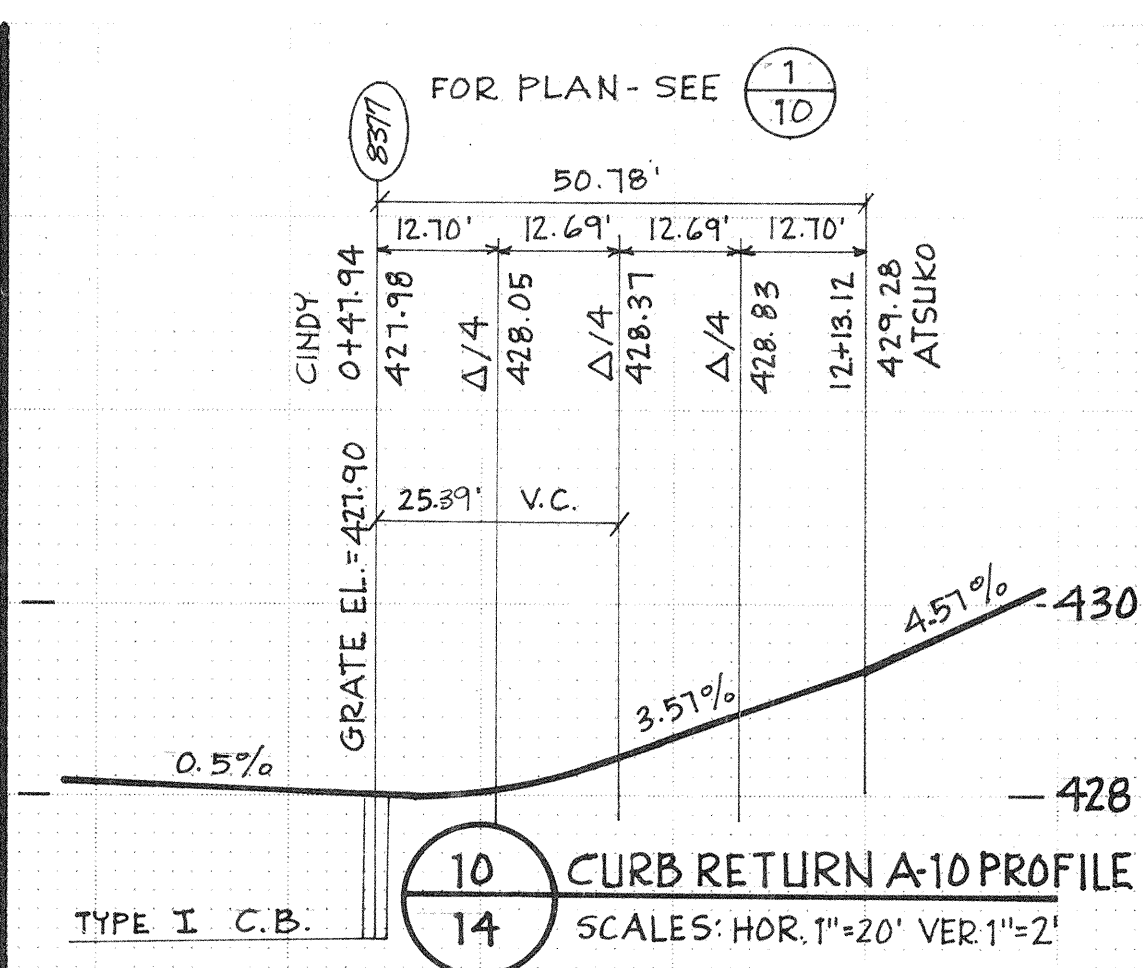
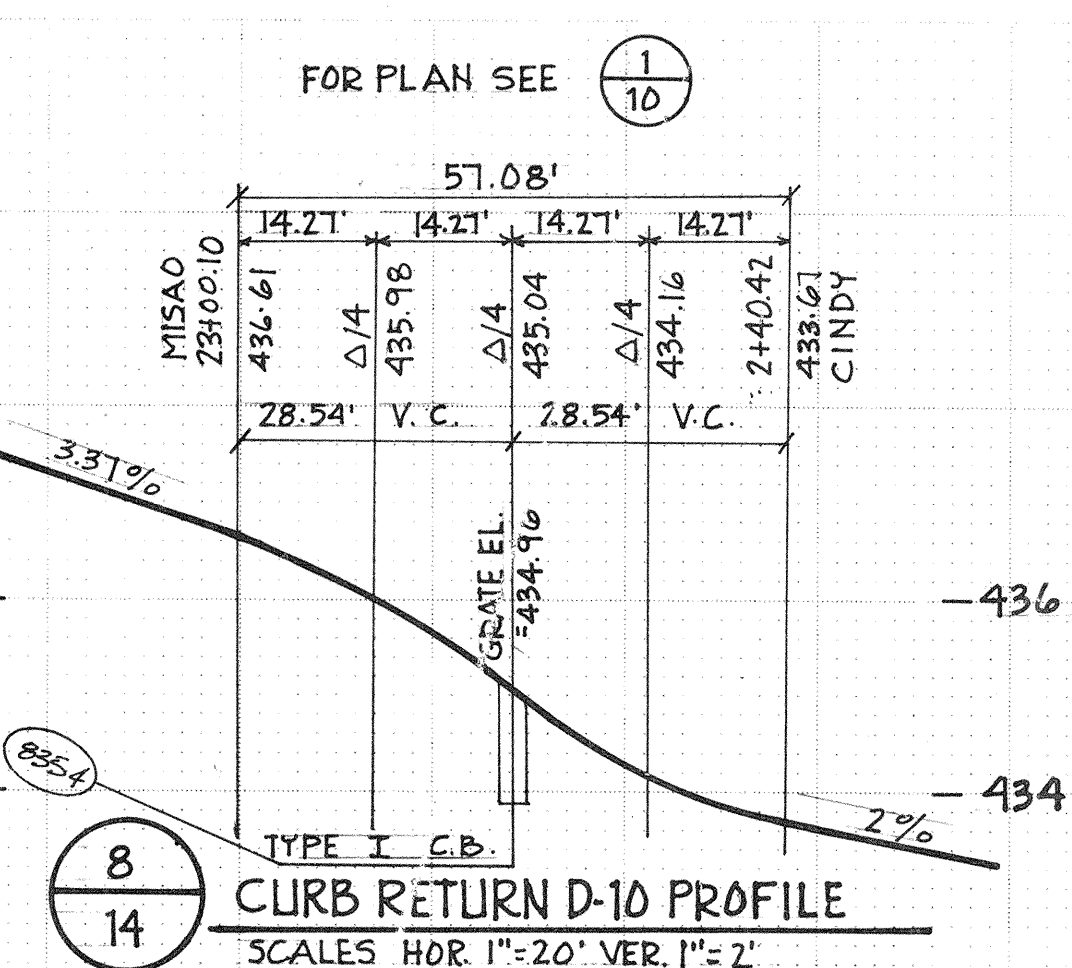
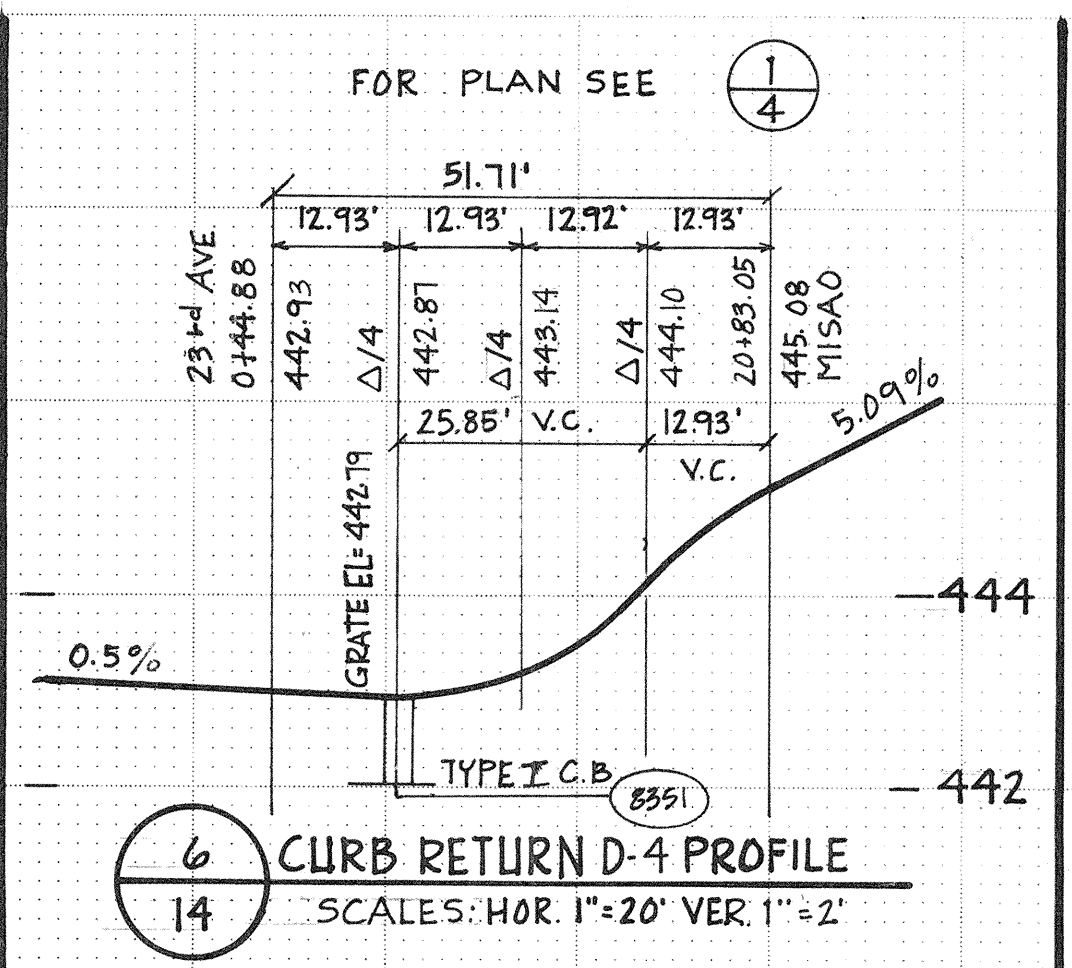
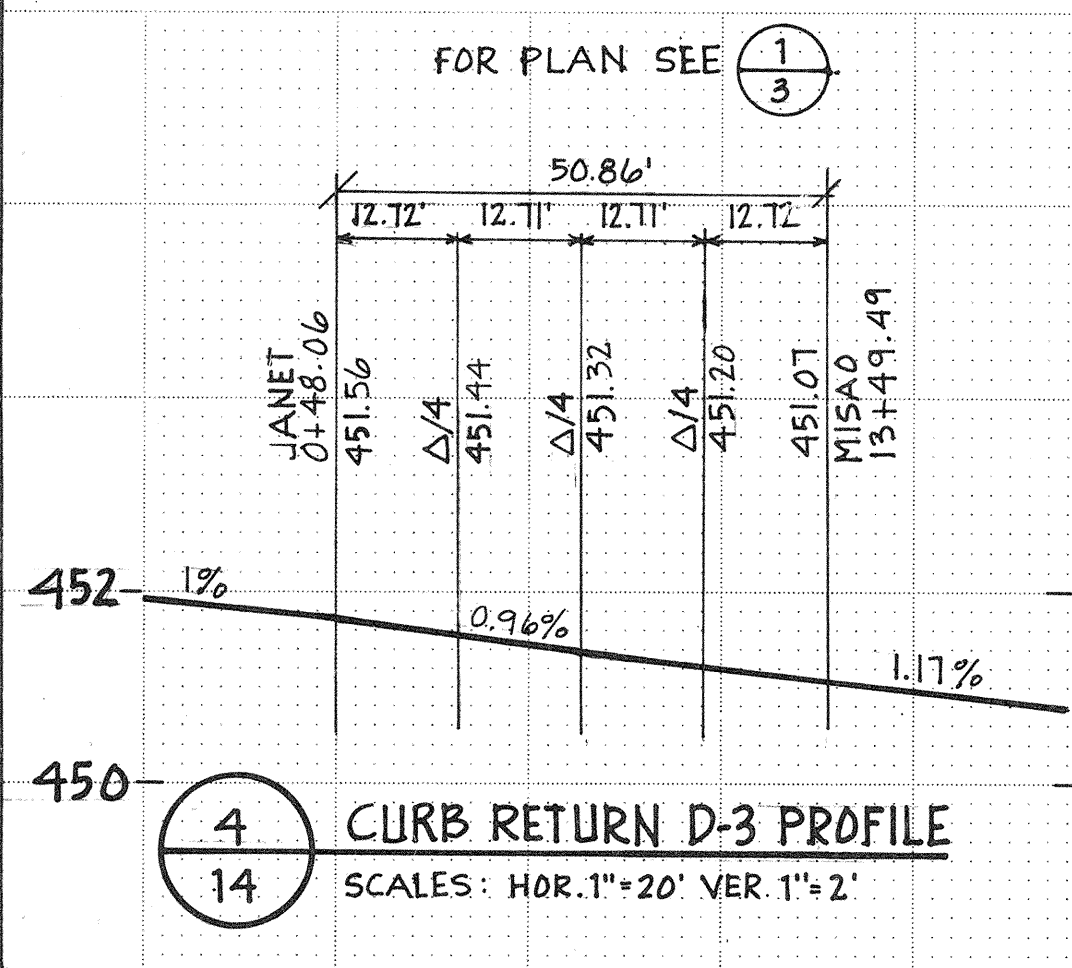


3
14 **Karen Lane Cul-de-sac**
 SCALE: 1" = 20'

approval
 FOR CONSTRUCTION!
 Date: 12/19/17 by R. Coupe
 Gerald E. Wood, P.E.
 Snohomish County
 ENGINEER

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GUTTER GRADES
CREEK



VINEMAPLE, WILLOWS

By: Date:
 Revisions:
 General Revisions:
 Date: NOV. 1978
 Scale: AS NOTED
 Designed: MJC
 Drawn: RLL
 Checked: MJC
 Approved: R. Coupe
 Dwg. Number: 3-2091-1001-20-D1
 SHEET
14 of **14**
 HDV-511