

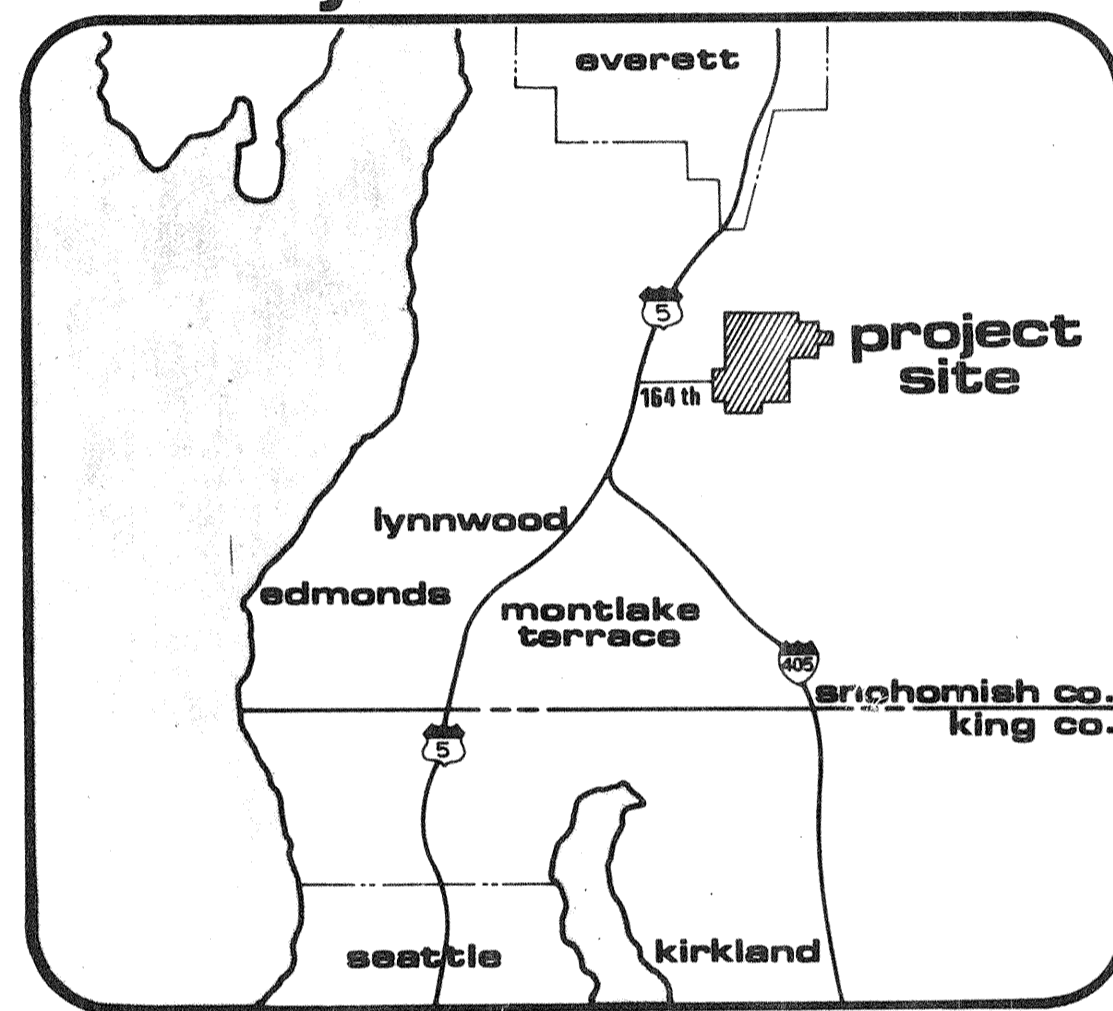


# improvement plans

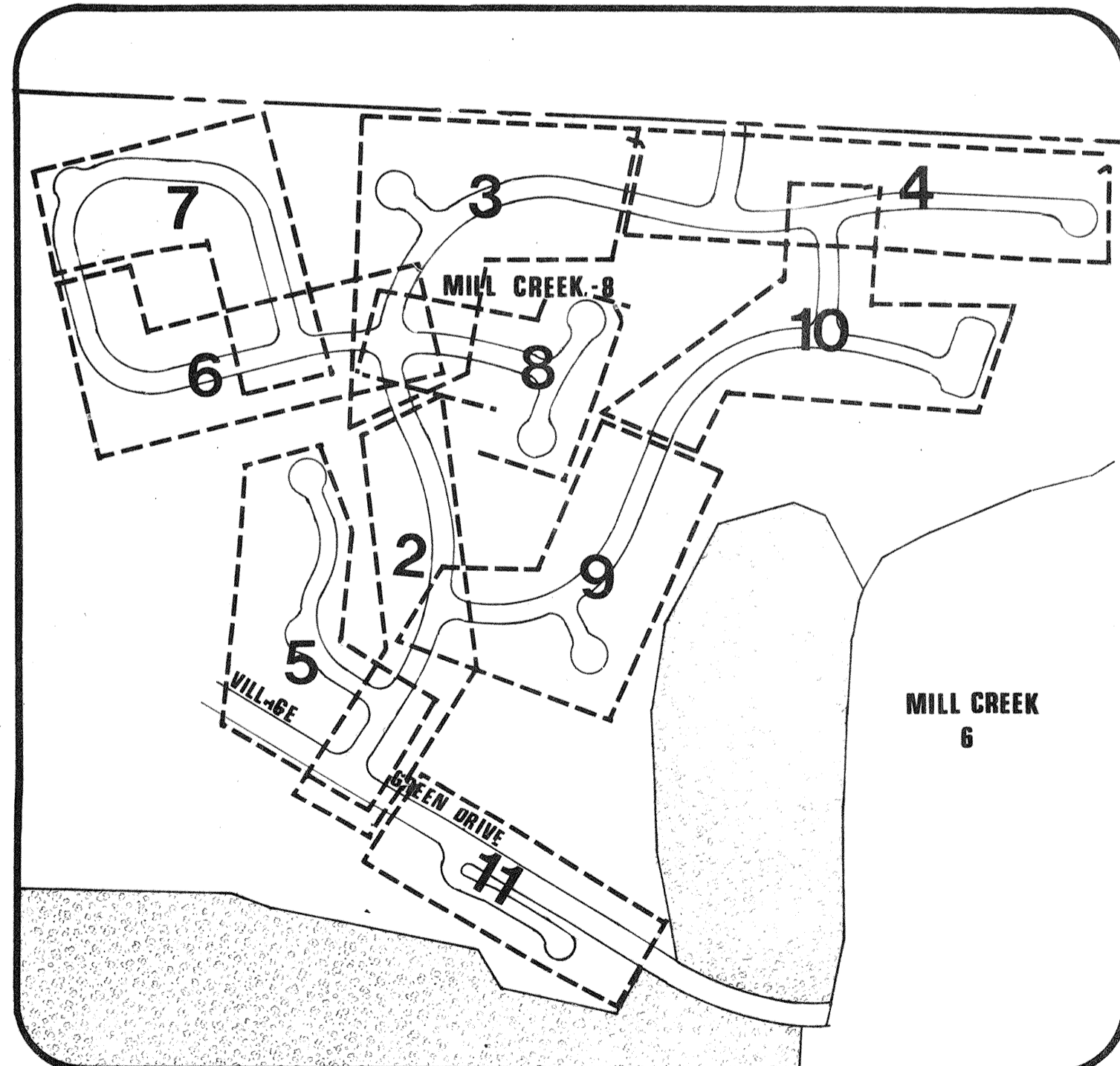
for: united development corp.  
by: wilsey & ham inc.

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

### vicinity



### sheet index

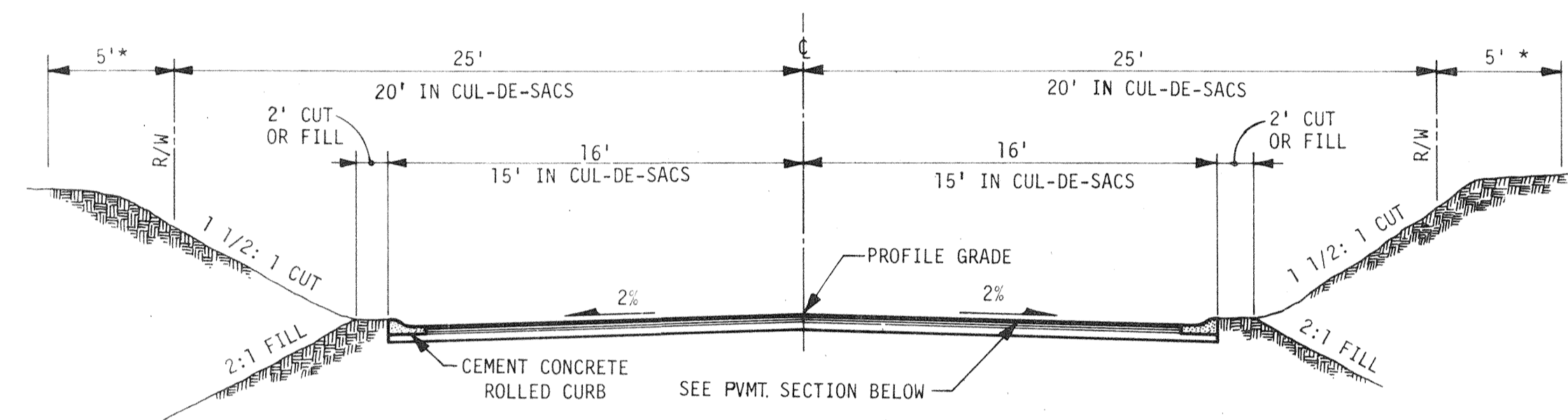


### general notes

1. ALL CONSTRUCTION SHALL CONFORM WITH THESE PLANS AND SPECIFICATIONS AND APPLICABLE STANDARDS AND SPECIFICATIONS OF SNOHOMISH COUNTY AND THE STATE OF WASHINGTON.
2. ALL EARTHWORK AND STORM DRAINAGE BACKFILL SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THE SPECIFICATIONS AND UNDER THE DIRECTION OF THE SOILS ENGINEER.
3. 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.
4. ALL STATIONING SHOWN ON THESE PLANS SHALL REFER TO STREET CENTER-LINE STATIONING UNLESS SPECIFICALLY NOTED OTHERWISE.
5. 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.
6. BASIS OF BEARINGS IS THE WASHINGTON STATE GRID SYSTEM - NORTH ZONE.
7. SPEED ADVISORY SIGNS SHOWN ARE RECOMMENDED BY WILSEY & HAM, INC., BUT ARE TO BE APPROVED AND INSTALLED BY SNOHOMISH COUNTY.
8. ALL CORRUGATED PIPE SHALL BE 16 GAUGE ALUMINUM UNLESS NOTED OTHERWISE.
9. ALL CONSTRUCTION SHALL BE INSPECTED PER SNOHOMISH COUNTY STANDARDS.
10. FOR SPECIFICATIONS REFER TO THE APPROVED IMPROVEMENT PLANS FOR STREETS AND STORM DRAINS FOR MILL CREEK 1.
11. IN THE EVENT OF ANY DISCREPANCY BETWEEN ANY DRAWINGS AND THE FIGURES WRITTEN THEREON, THE FIGURES SHALL BE TAKEN AS CORRECT.

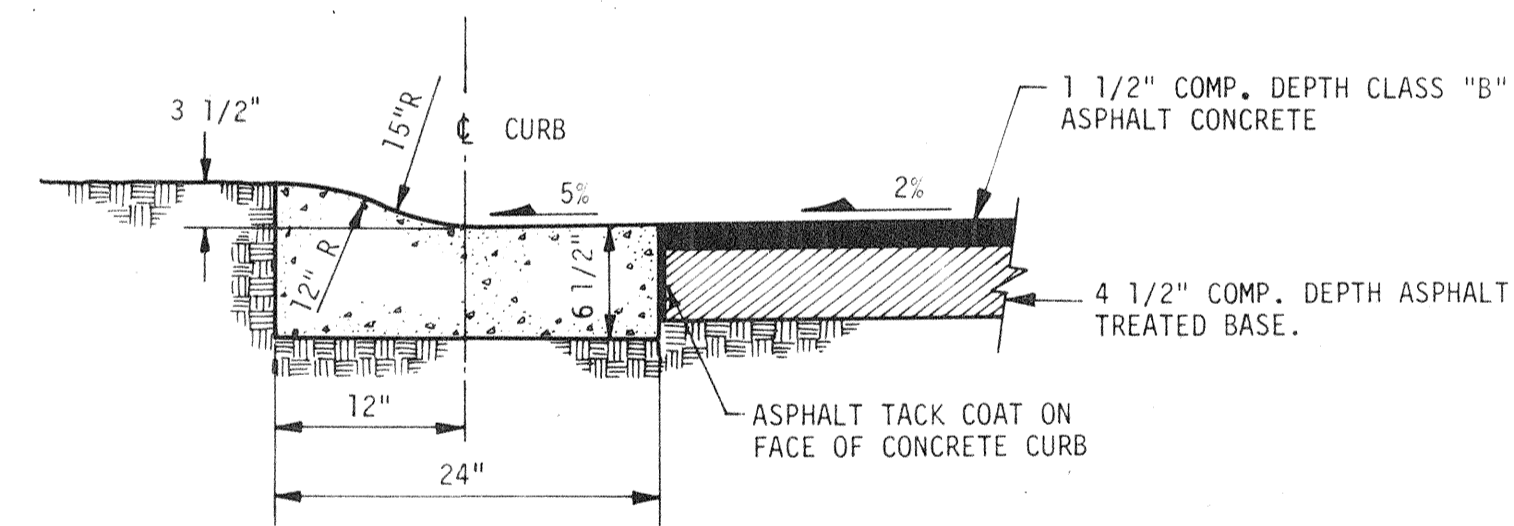
### LEGEND & ABBREVIATIONS

- 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

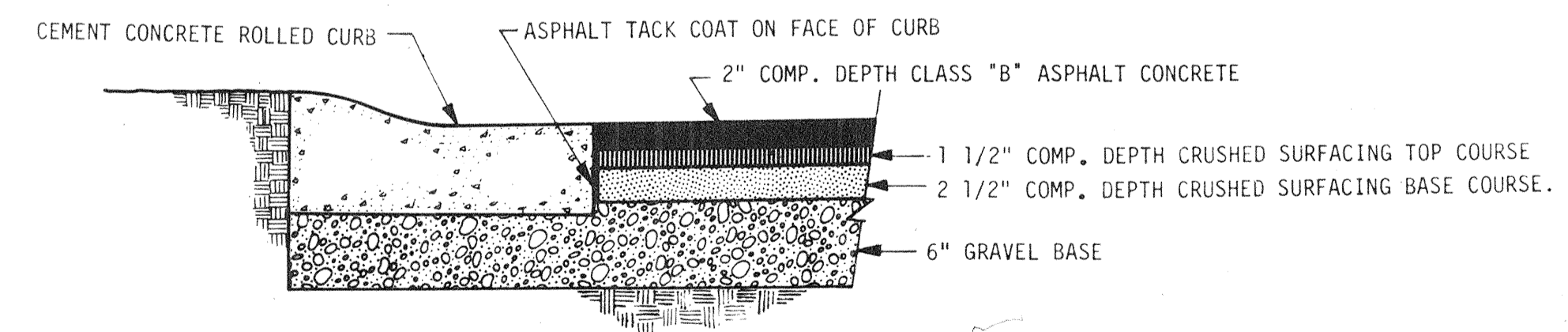


typical street section

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



typical pavement section

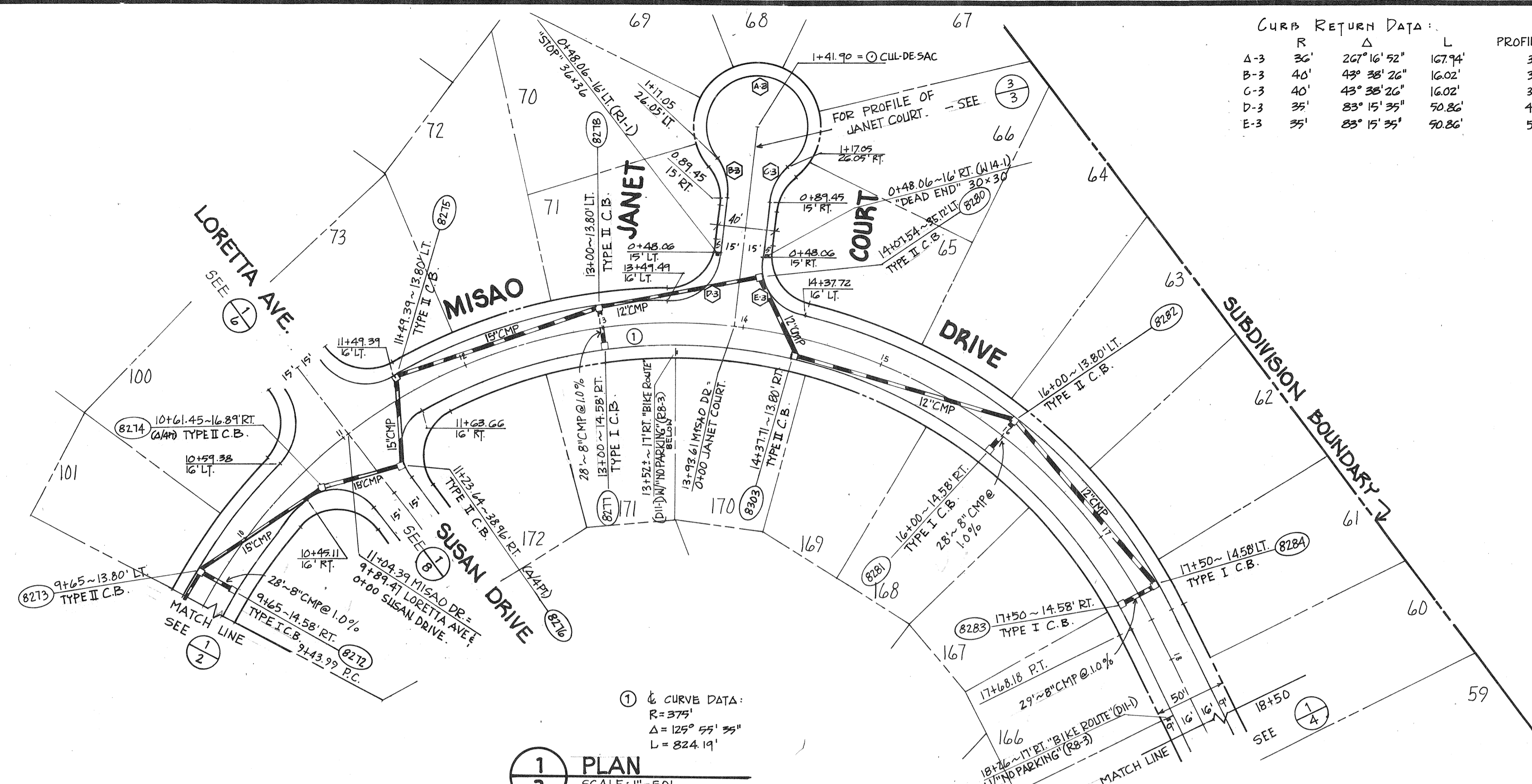
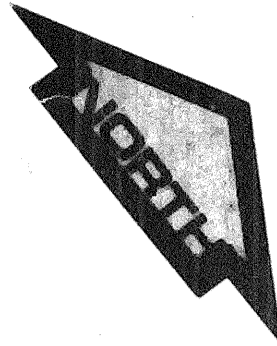


alternate pavement section

**MILL CREEK - 8**  
approval for construction  
Stamp O.K. February 27, 1979  
Reviewed by J. S. Osborne February 27, 1979  
Gerard E. Weed, P.E.  
SNOHOMISH COUNTY ENGINEER

By: \_\_\_\_\_ Date: \_\_\_\_\_  
Revisions: \_\_\_\_\_  
Date: DEC. 1978  
Scale: AS NOTED  
Designed: R. COUPE  
Drawn: R. L. L.  
Checked: MWC  
Approved: R. COUPE  
Doc. Number: 3-2001-1001-10-D1  
SHEET  
**1 of 14**





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. G. ...  
Gerald E. Wood, P.E.  
ENGINEER  
KINGDOMISH COUNTY

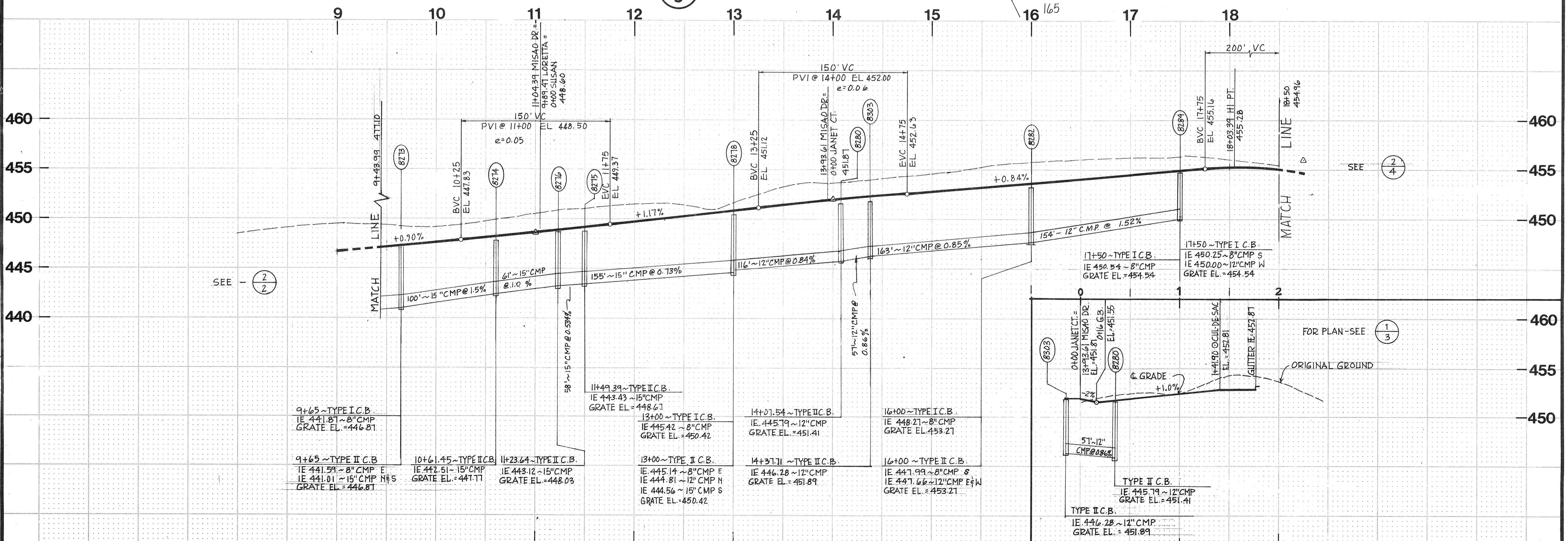
**W & H** WILSEY & HAM, INC.  
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**MISAO DRIVE**  
sta. 9+50 to 18+50

**JANET COURT**  
sta. 0+00 to 1+41.90

**MILK CREEK**



REVISIONS

No.	Date	By	Reason
1	NOV 1978	AS NOTED	AS NOTED

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

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

VINEMAPLE, WILLOWS

HDEV-500

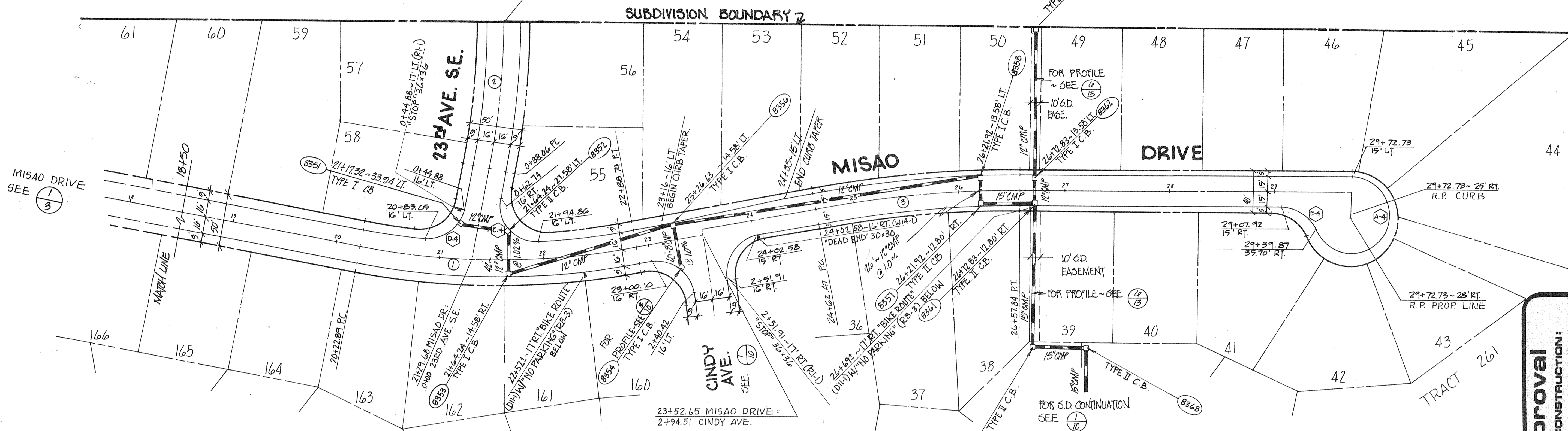


① CURVE DATA:  
R = 700'  
Δ = 21° 46' 37"  
L = 269.85'

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

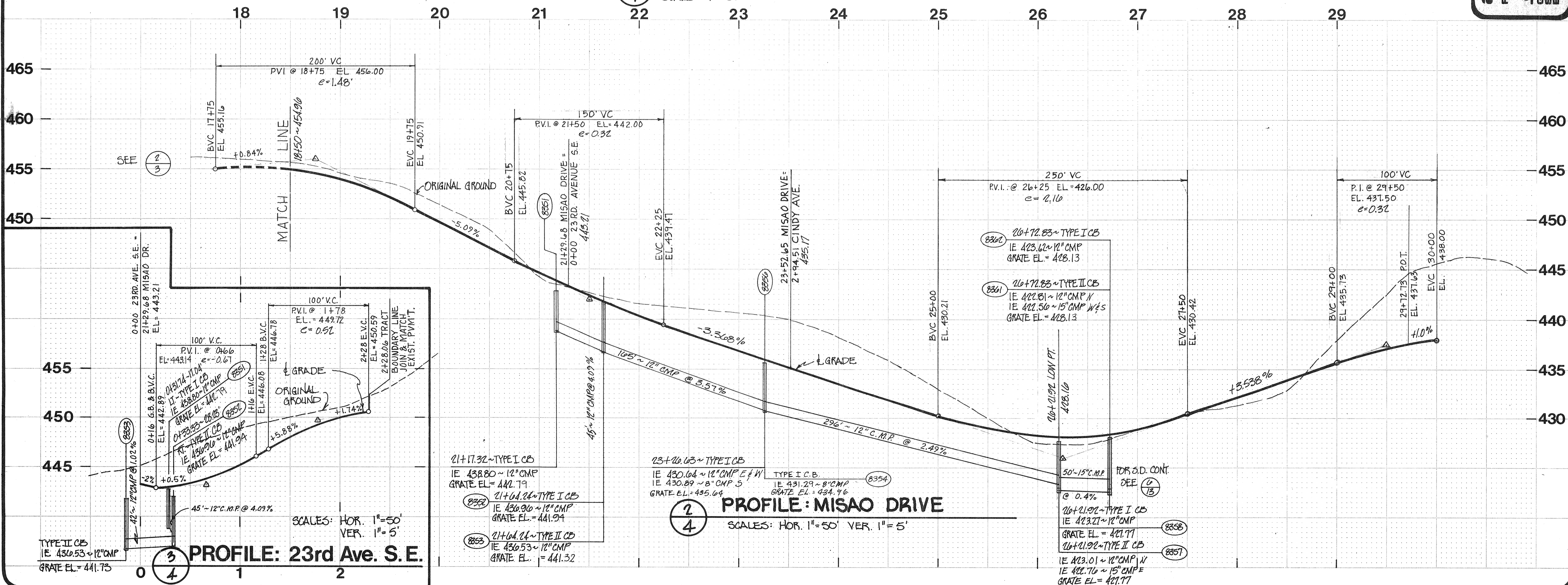
③ CURVE DATA:  
R = 1000'  
Δ = 11° 11' 28"  
L = 199.37'

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 E. Coupe Feb 21/1978  
Gerald E. Wood, P.E.  
SNOHOMISH 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'

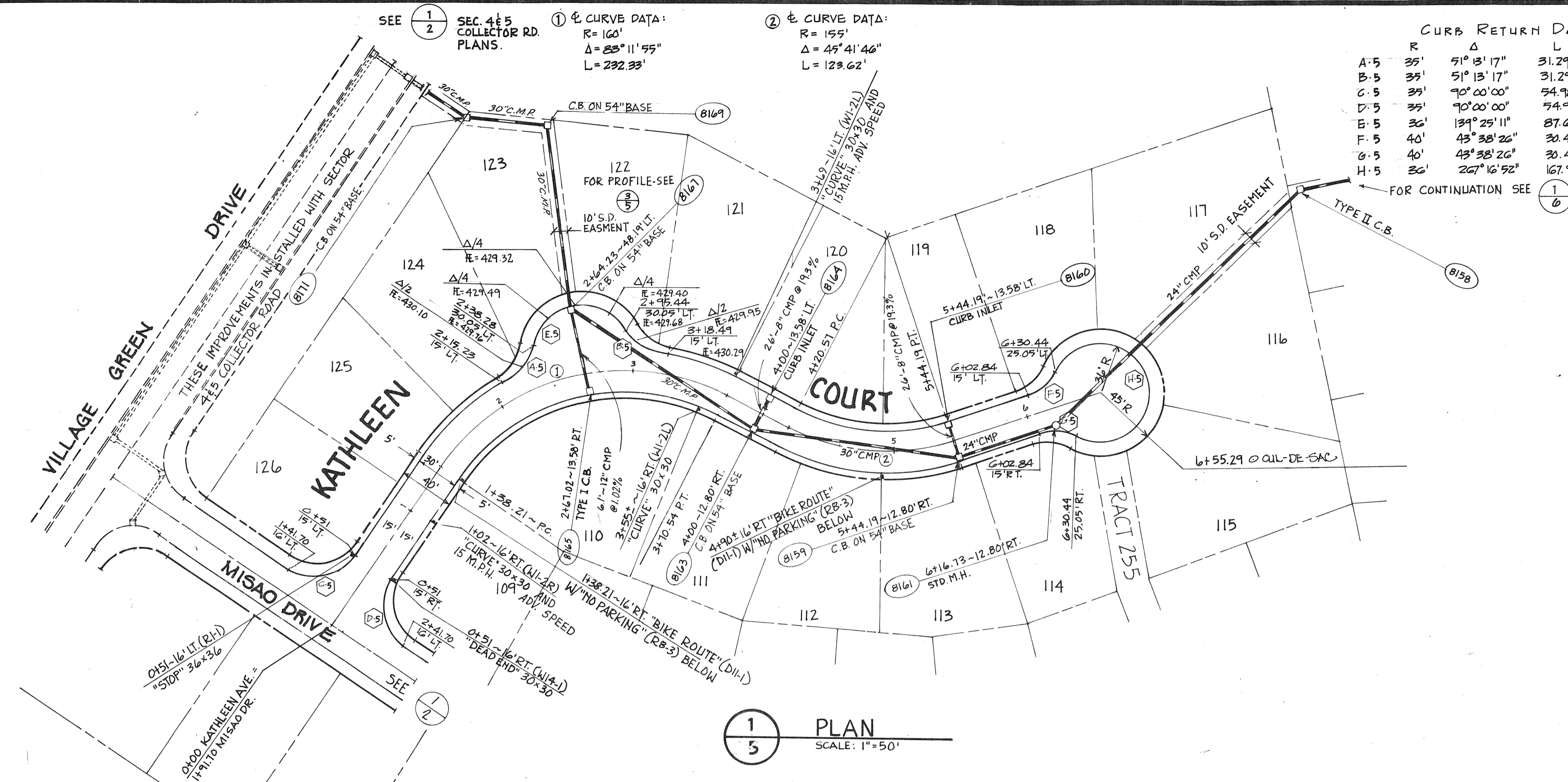
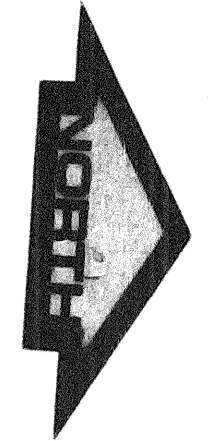
**W & H WILSEY & HAM, INC.**  
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**MISAO DRIVE**  
sta. 18+50 to 29+72.73  
**23rd AVENUE S.E.**  
sta. 0+00 to 2+28.06

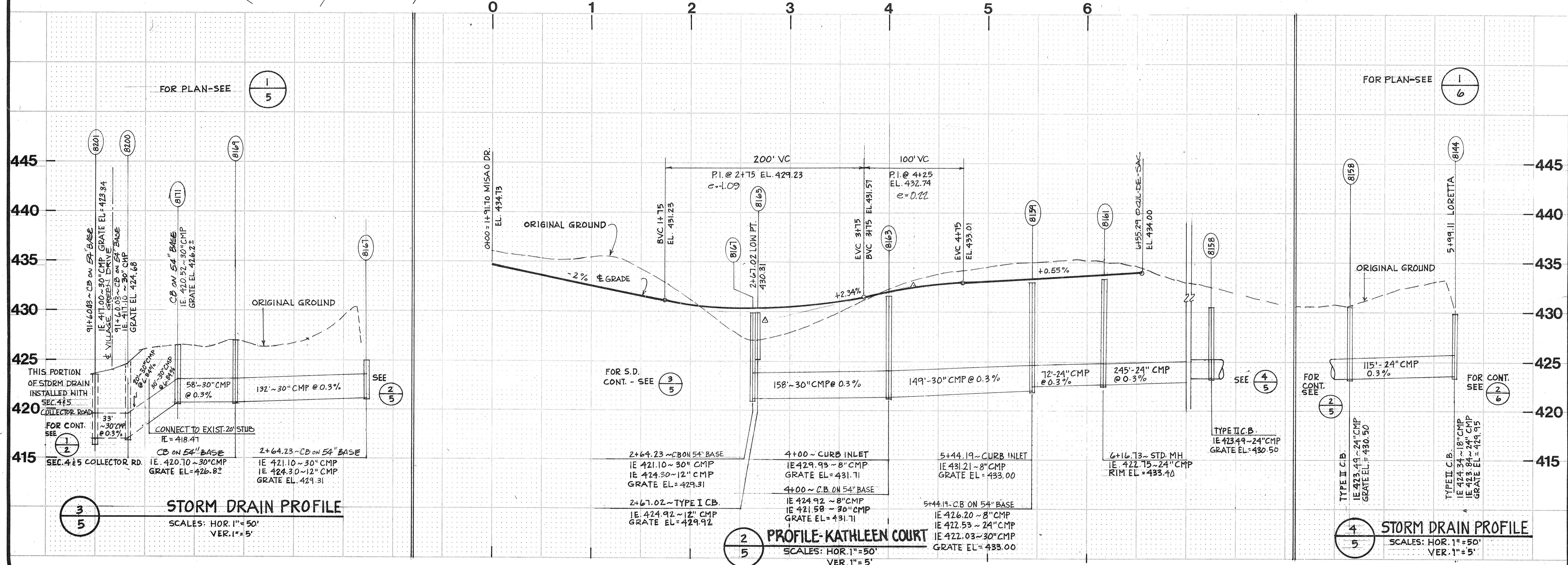


Revisions:  
Date: NOV. 1978  
Scale: AS NOTED  
Designed: R. COUPE  
Drawn: R. COUPE  
Checked: M.C.  
Approved: R. Coupe  
Dwg Number: 3-2091-1001-20-D1  
SHEET: 4 of 14

VINEMAPLE, WILLOWS



**1 PLAN**  
 SCALE: 1"=50'



**approval**  
 FOR CONSTRUCTION:

SEE: *Wesley R. S. [Signature]* 12/27/1979  
**GARIB E. WOOD, P.E.**  
**SNOHOMISH COUNTY ENGINEER**

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**KATHLEEN COURT**  
 sta. 0+00 to 6+55.29

**MILK CREEK**

Revisions

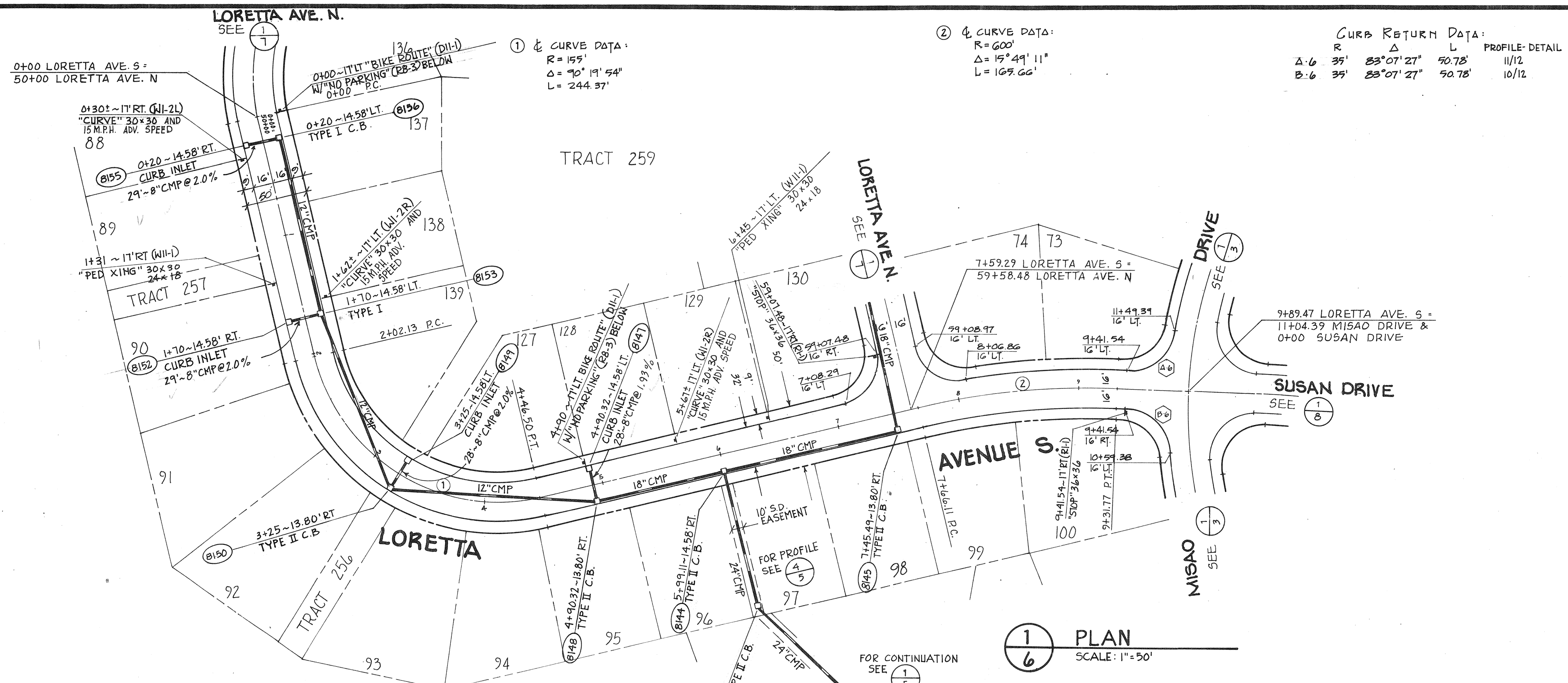
By: \_\_\_\_\_ Date: \_\_\_\_\_  
 Rev. 1/25/22

Date: NOV. 1978  
 Scale: AS NOTED  
 Designed: E. COUPE  
 Drawn: RLL  
 Checked: KMC  
 Approved: R. Coupe

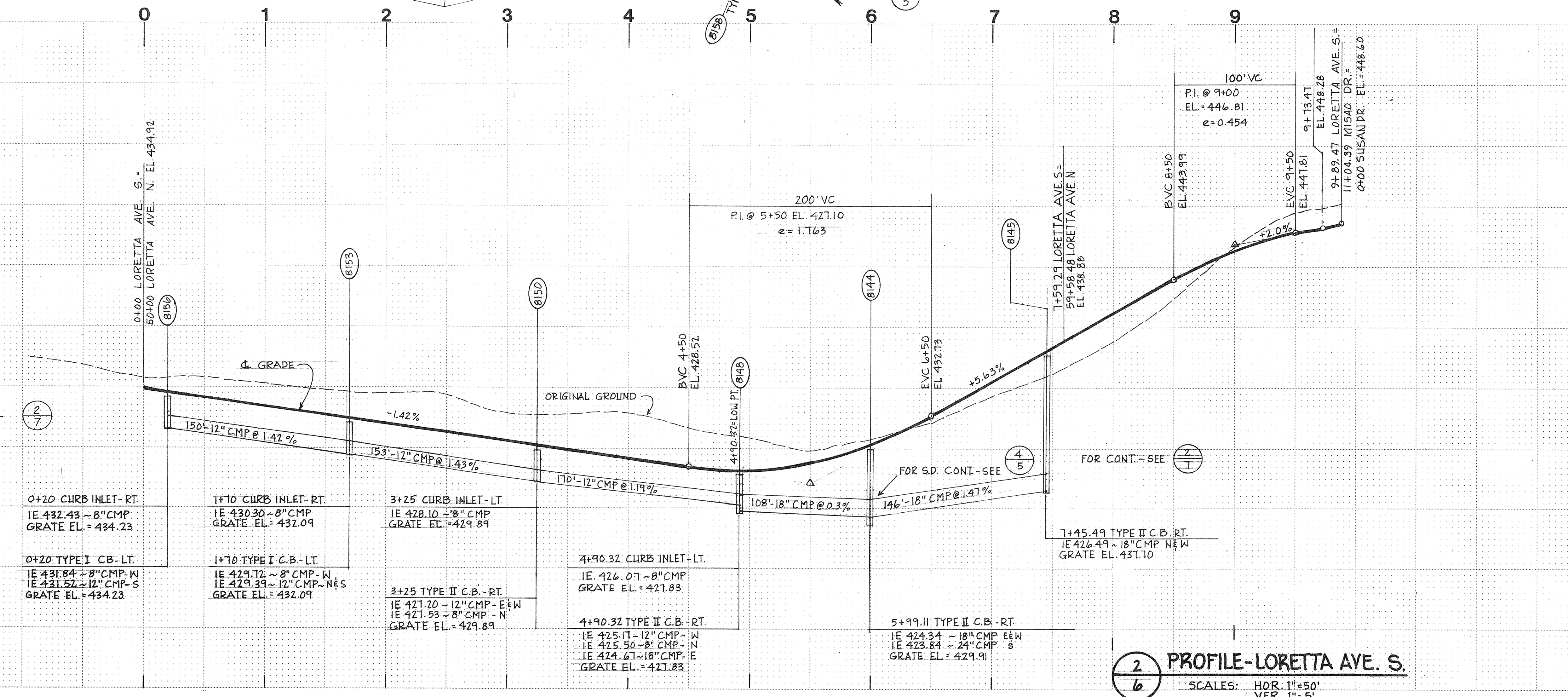
Dwg. Number  
 3-2091-1601-20-01  
 SHEET

**5 of 14**

VINEMAPLE, WILLOWS



1 PLAN  
SCALE: 1"=50'



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

② CURVE DATA:  
R=600'  
Δ=15°49'11"  
L=169.66'

CURB RETURN DATA:  
R Δ L PROFILE-DETAIL  
A-6 35' 83°07'27" 50.78' 11/12  
B-6 35' 83°07'27" 50.78' 10/12

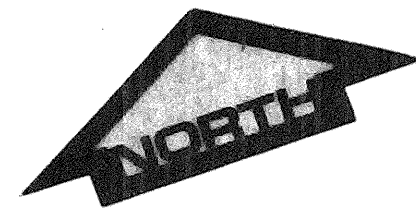
approval  
FOR CONSTRUCTION:  
Said E. Wood P.E.  
SNO WASH COUNTY  
ENGINEER  
Sat. E. Wood by Re. [Signature] Feb 21, 1978

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

LORETTA AVENUE  
sta. 0+00 to 9+89.47  
MILK CREEK

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'

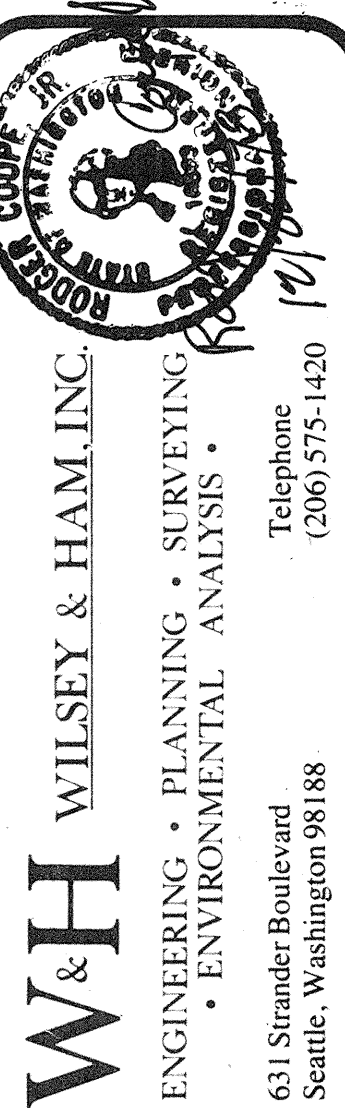
② & CURVE DATA:  
 R=155'  
 $\Delta=72^\circ 45' 01''$   
 L=196.72'

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. Dumble Feb 27, 1978  
 Gerald E. Wood, P.E.,  
 WILSEY & HAM, INC.  
 ENGINEER



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 Seattle, Washington 98188  
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**W&H WILSEY & HAM, INC.**  
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**MILK CREEK**

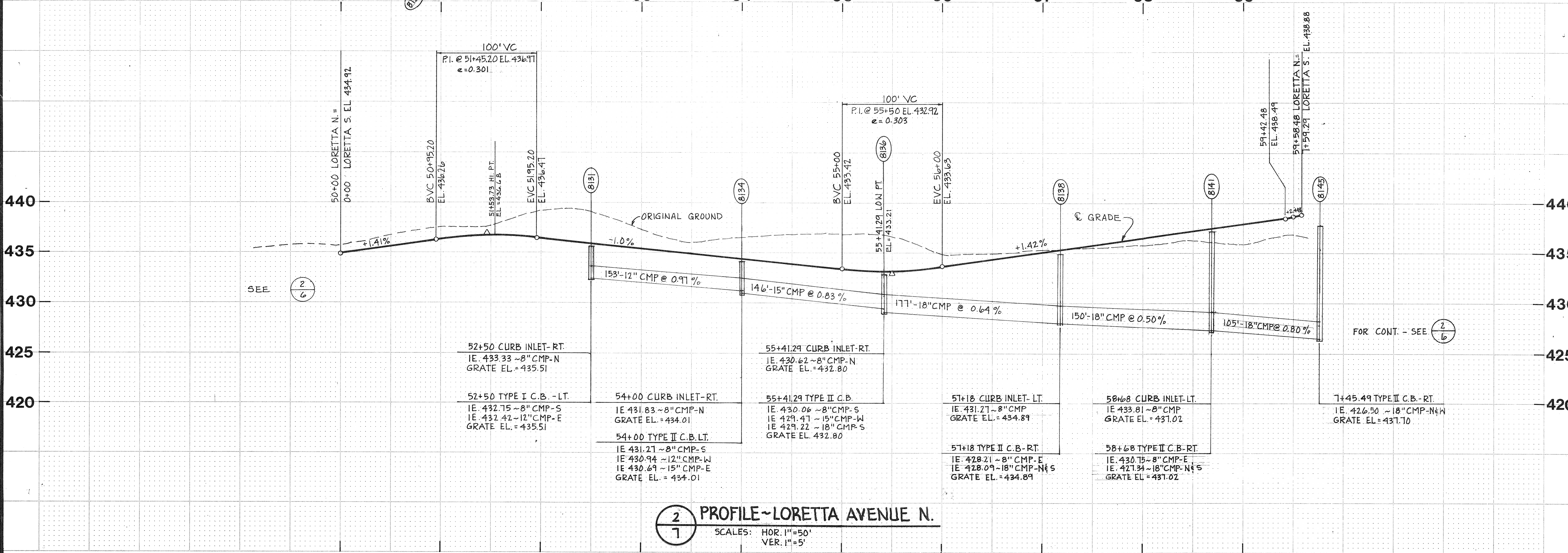
**LORETTA AVENUE**  
 sta. 50+00 to 59+58.48

REVISIONS  
 Date: NOV. 1978  
 Scale: AS NOTED  
 Designed: R. COUPE  
 Drawn: R.L.L.  
 Checked: J.W.C.  
 Approved: R. Coupe

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

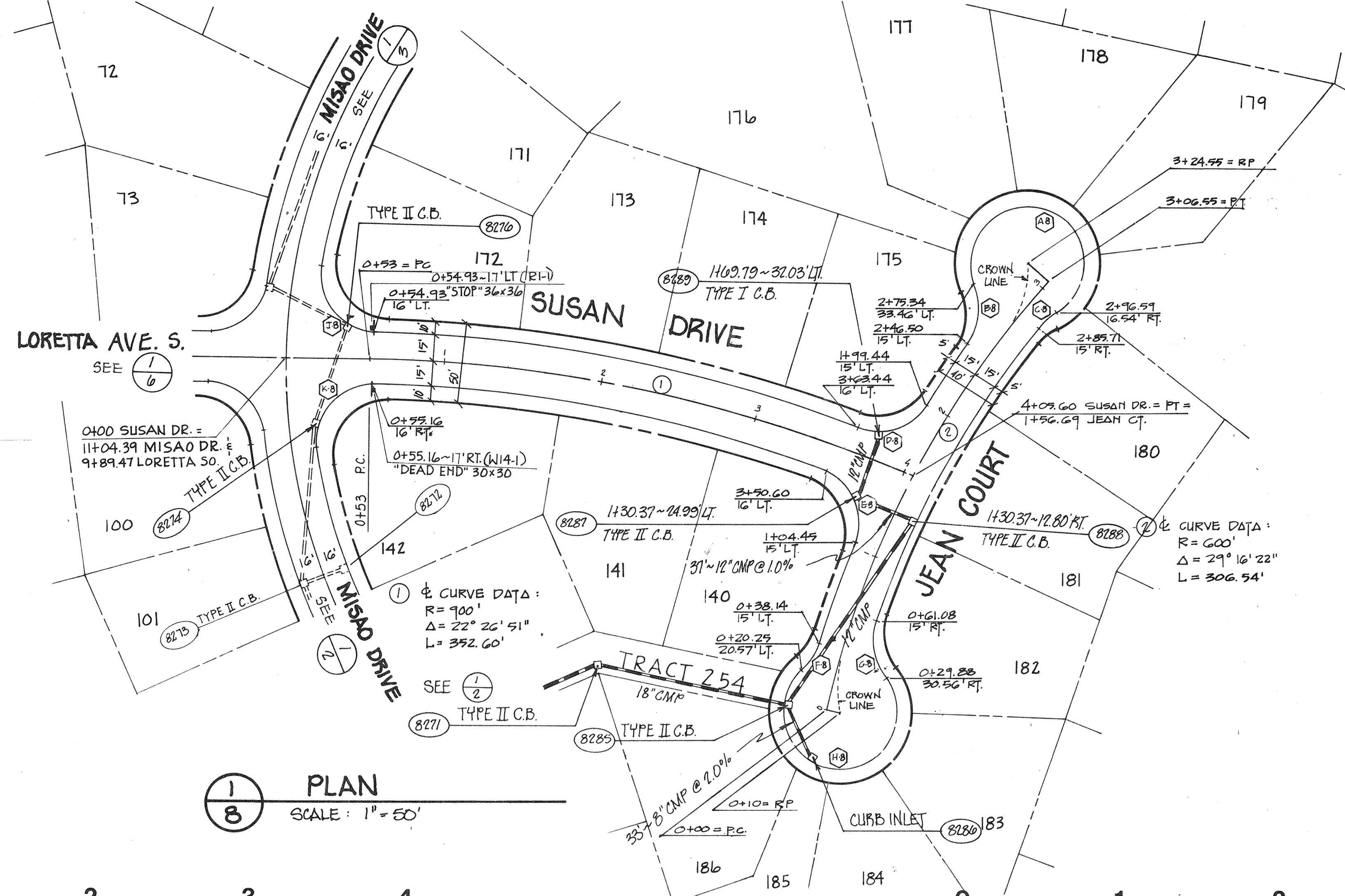
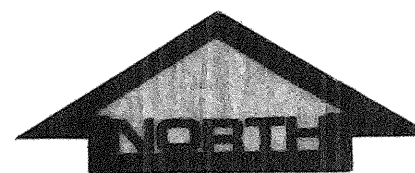


1 PLAN  
 SCALE: 1" = 50'



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

VINE MAPLE, WILLOWS



**1 PLAN**  
SCALE: 1" = 50'

PROFILE - DETAIL

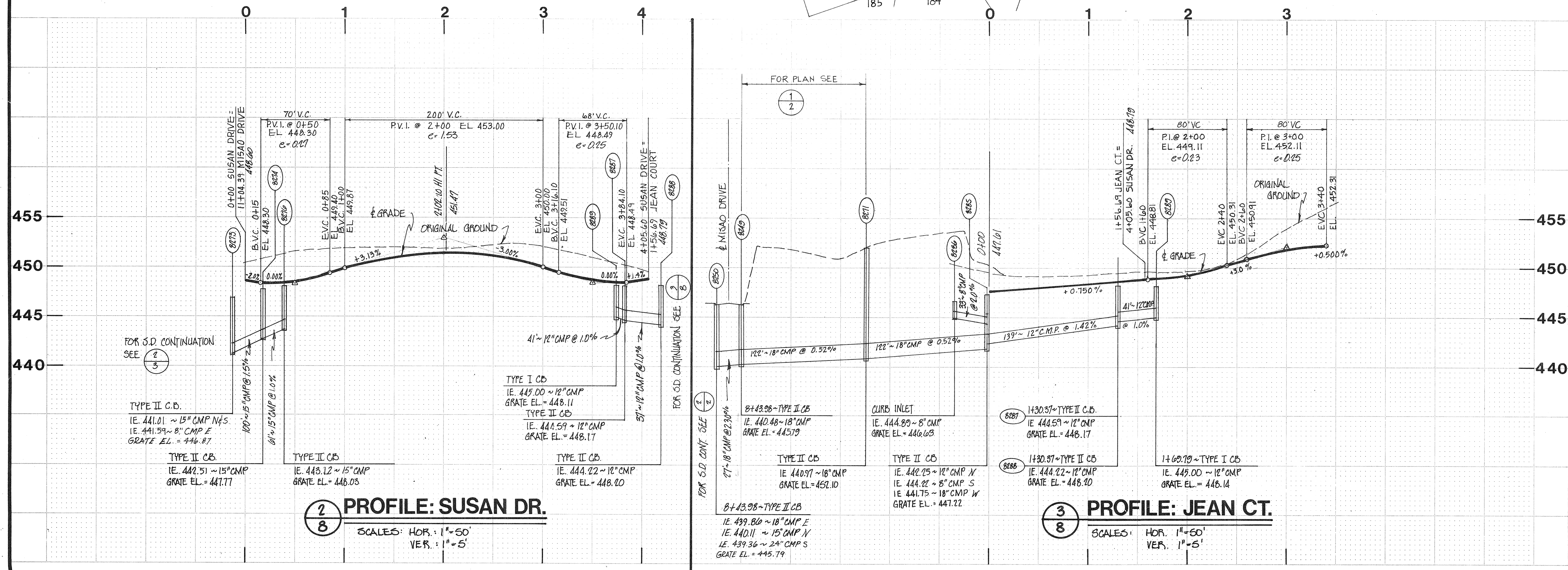
Station	R	Δ	L
1/13	ΔB 36'	261° 45' 47"	164.47'
1/15	B-B 35'	60° 25' 40"	36.91'
1/15	C-C 35'	17° 35' 27"	10.75'
2/13	D-D 35'	78° 41' 55"	48.07'
3/13	E-E 35'	93° 02' 51"	56.84'
1/13	F-F 35'	31° 55' 21"	19.50'
1/13	G-G 35'	57° 45' 51"	35.29'
1/13	H-H 36'	267° 29' 46"	168.07'
13/12	J-J 35'	98° 56' 00"	60.44'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

**approval**  
FOR CONSTRUCTION:

G.E. Woodley, P.E.  
SINCE 1968  
ENGINEER

**W&H WILSEY & HAM, INC.**  
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**2 PROFILE: SUSAN DR.**  
SCALE: HOR. 1" = 50'  
VER. 1" = 5'

**3 PROFILE: JEAN CT.**  
SCALE: HOR. 1" = 50'  
VER. 1" = 5'

**SUSAN DRIVE**  
sta. 0+00 to 4+05.60

**JEAN COURT**  
sta. 0+00 to 3+06.55

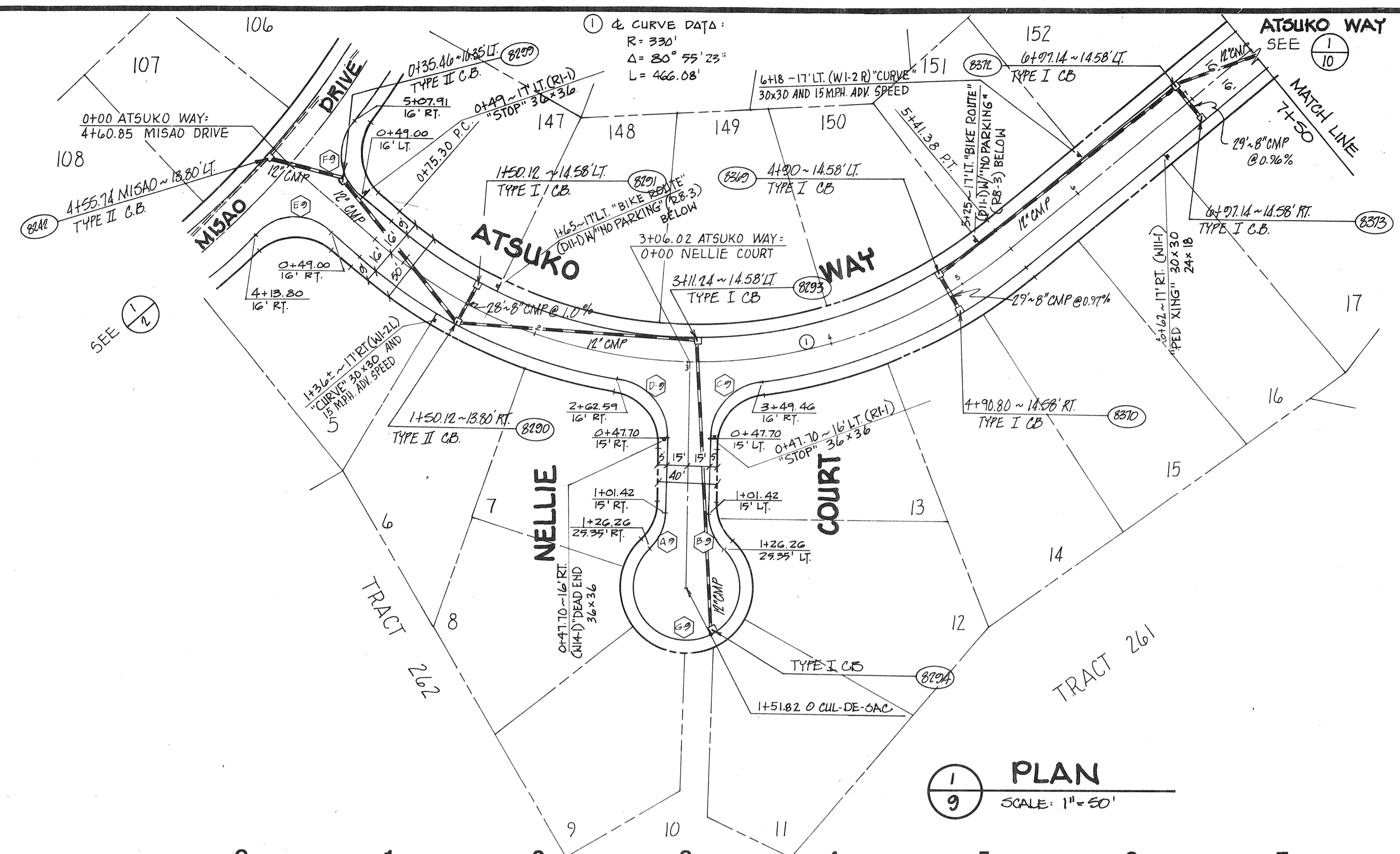
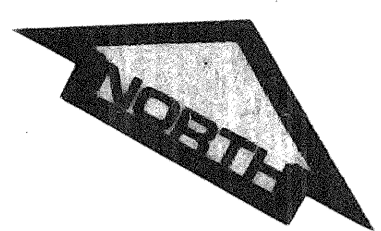
**MILK CREEK**

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





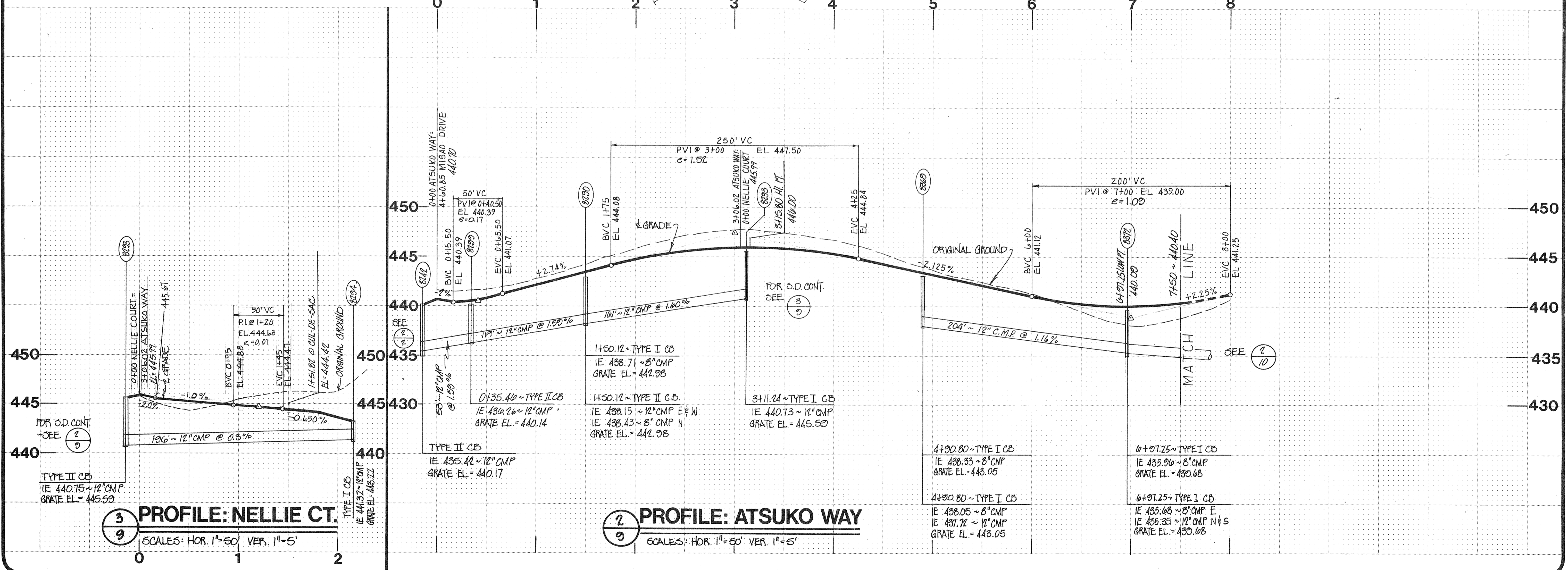
**CURB RETURN DATA:**

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:**  
 Seal: *W. H. Wilsey*, Feb 27, 1978  
 Gerald E. Wood, P.E.  
 ENGINEER  
 KINGDOMISH COUNTY

**W & H WILSEY & HAM, INC.**  
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 631 Strandor Boulevard  
 Seattle, Washington 98188  
 Telephone (206) 575-1420  
 1978 FEB 27

**1 PLAN**  
 SCALE: 1"=50'



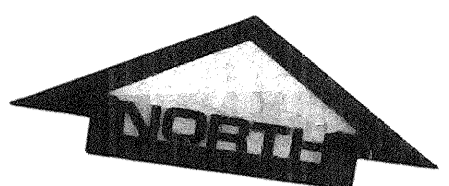
**3 PROFILE: NELLIE CT.**  
 SCALES: HOR. 1"=50' VER. 1"=5'

**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: \_\_\_\_\_  
 Date: NOV. 1978  
 Scale: AS NOTED  
 Designed by: G. COOPER  
 Drawn by: G. COOPER  
 Checked by: J. M. C.  
 Approved by: G. Cooper  
 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'

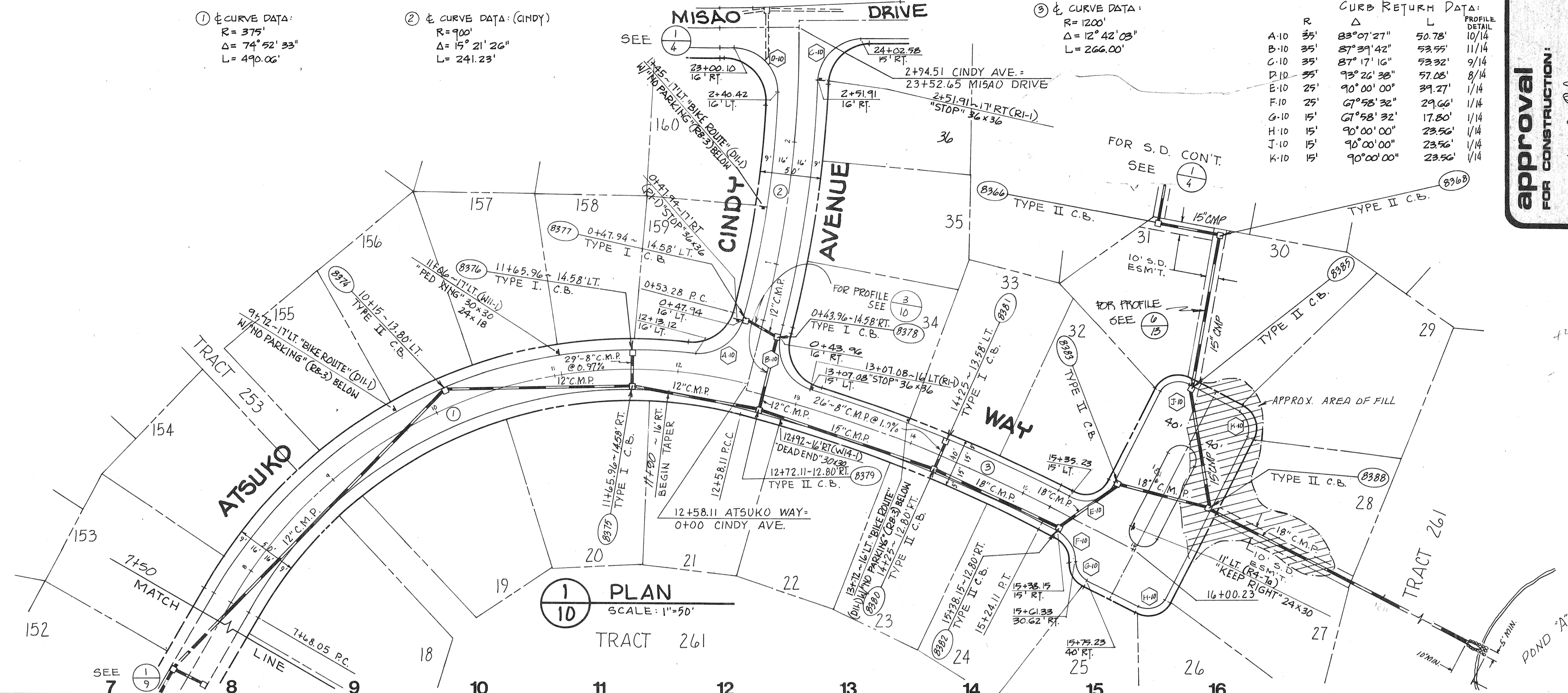
CURB RETURN DATA:

R	$\Delta$	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'

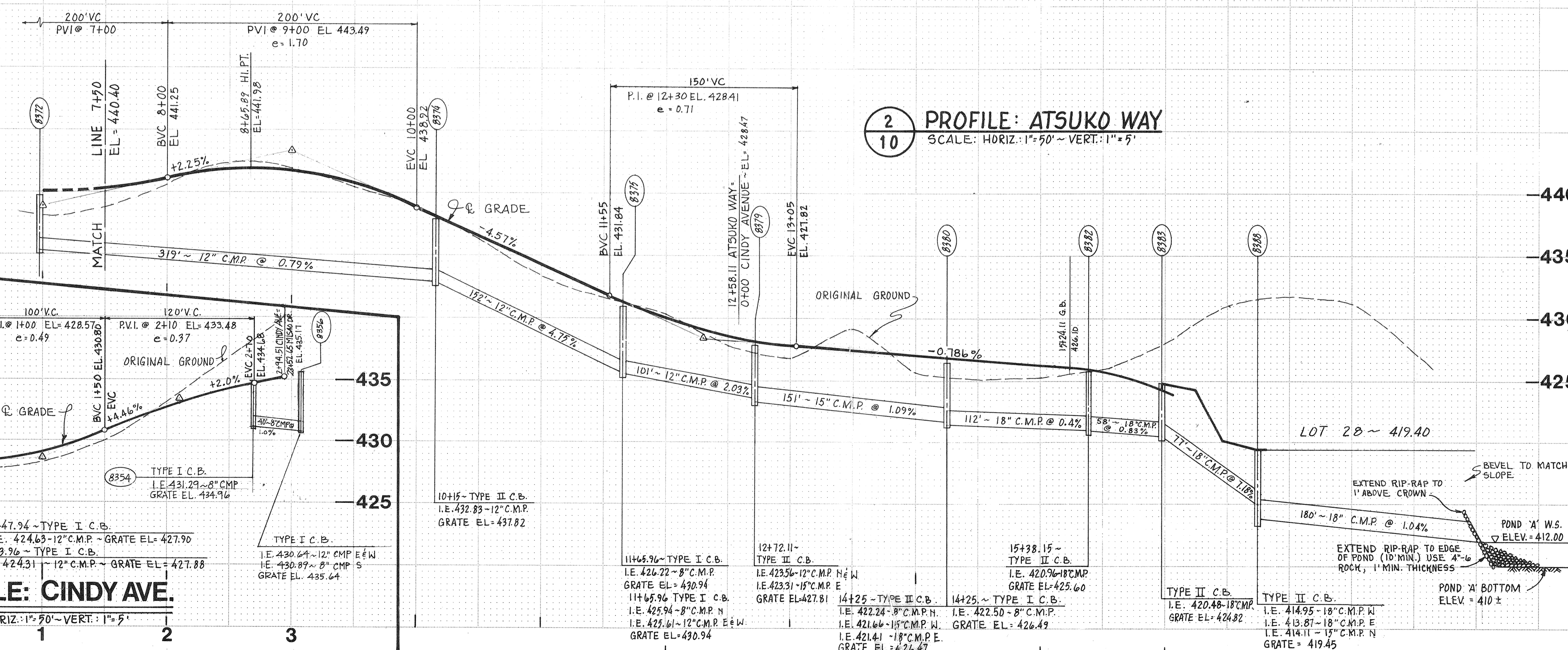
**approval**  
 FOR CONSTRUCTION:

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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 Seattle, Washington 98188  
 Telephone (206) 575-1420



**1 PLAN**  
 SCALE: 1" = 50'



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

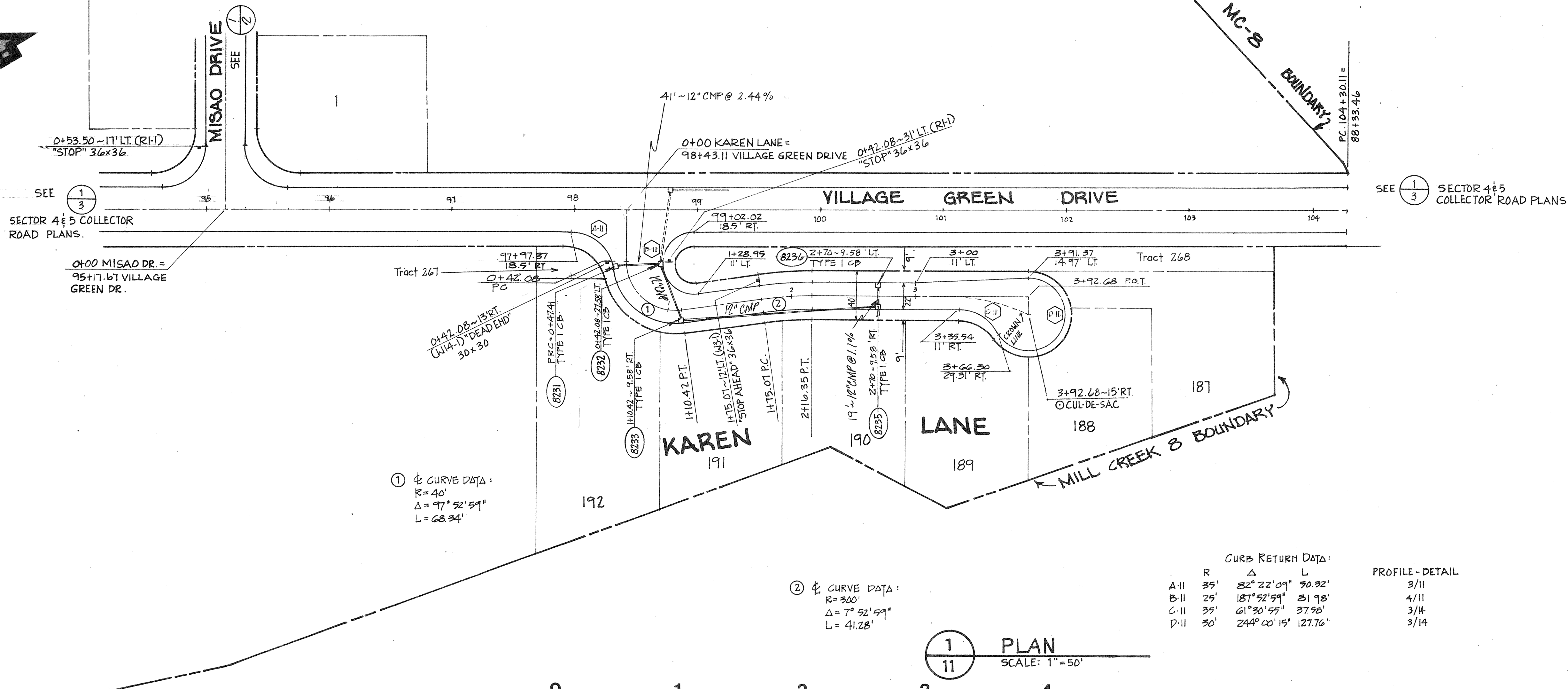
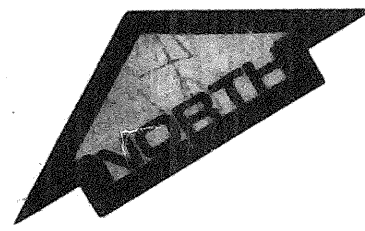
**3 PROFILE: CINDY AVE.**  
 SCALE: HORIZ: 1" = 50' - VERT: 1" = 5'

**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



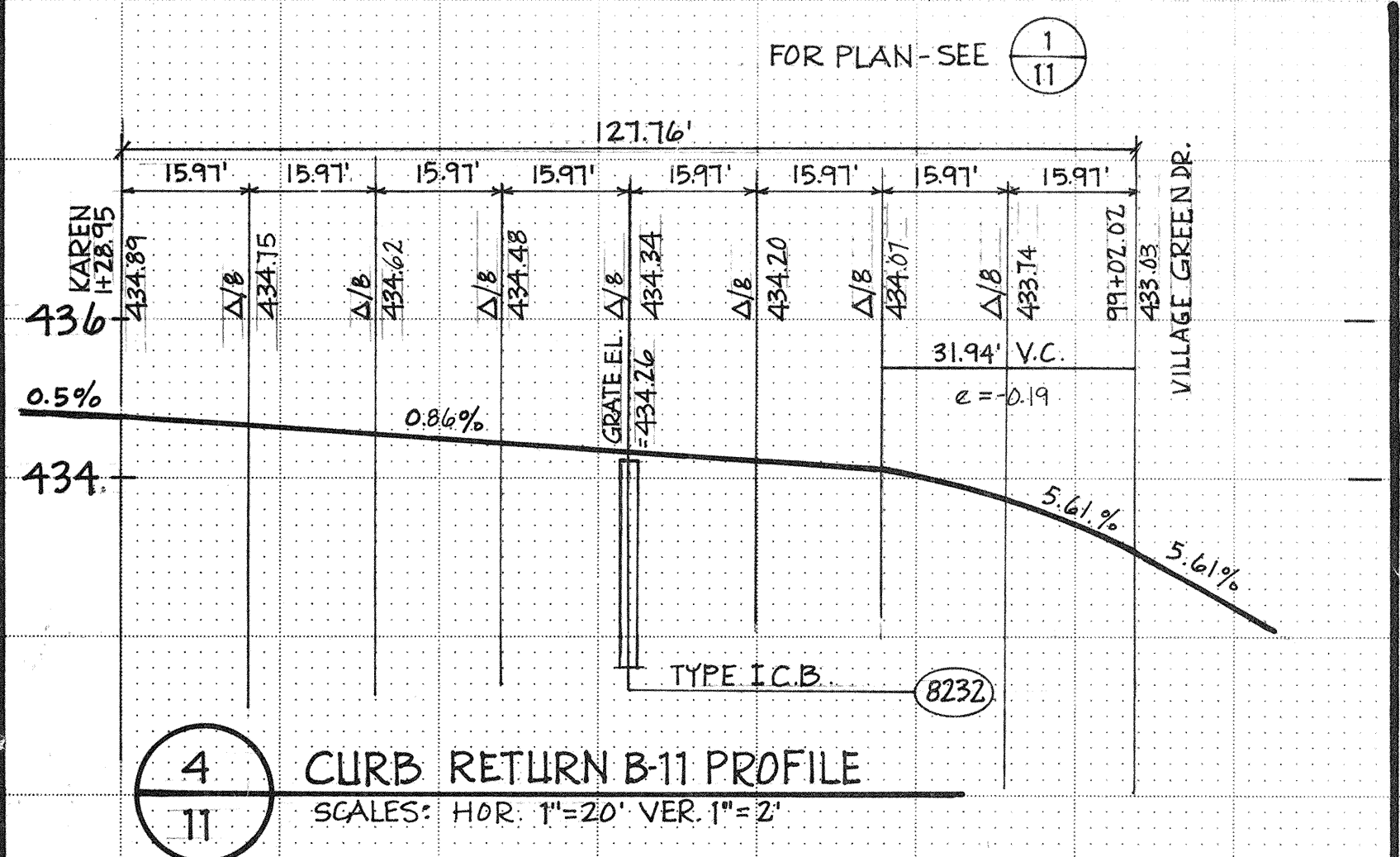
① CURVE DATA:  
 R = 40'  
 Δ = 97° 52' 59"  
 L = 68.34'

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

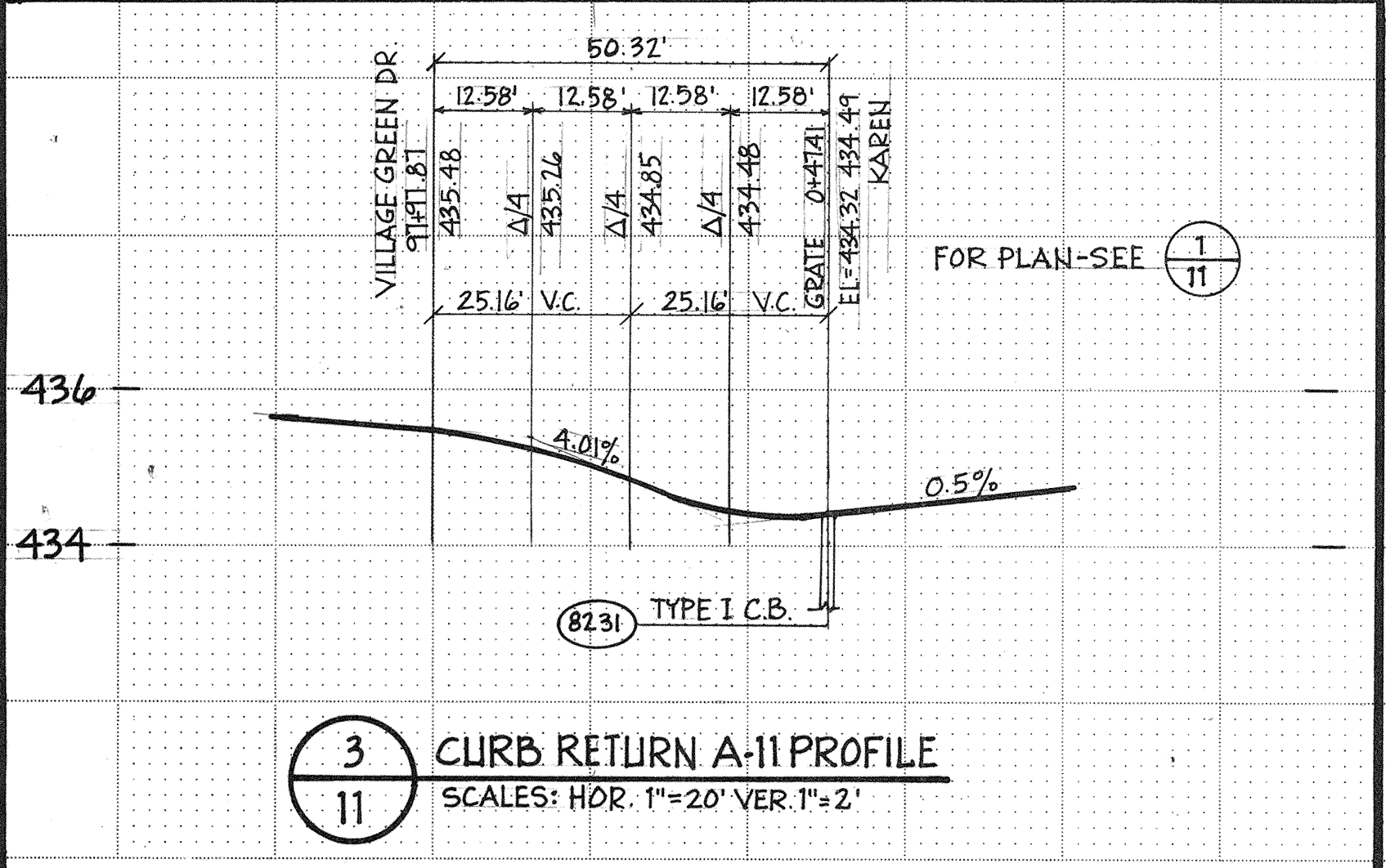
CURB RETURN DATA:

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

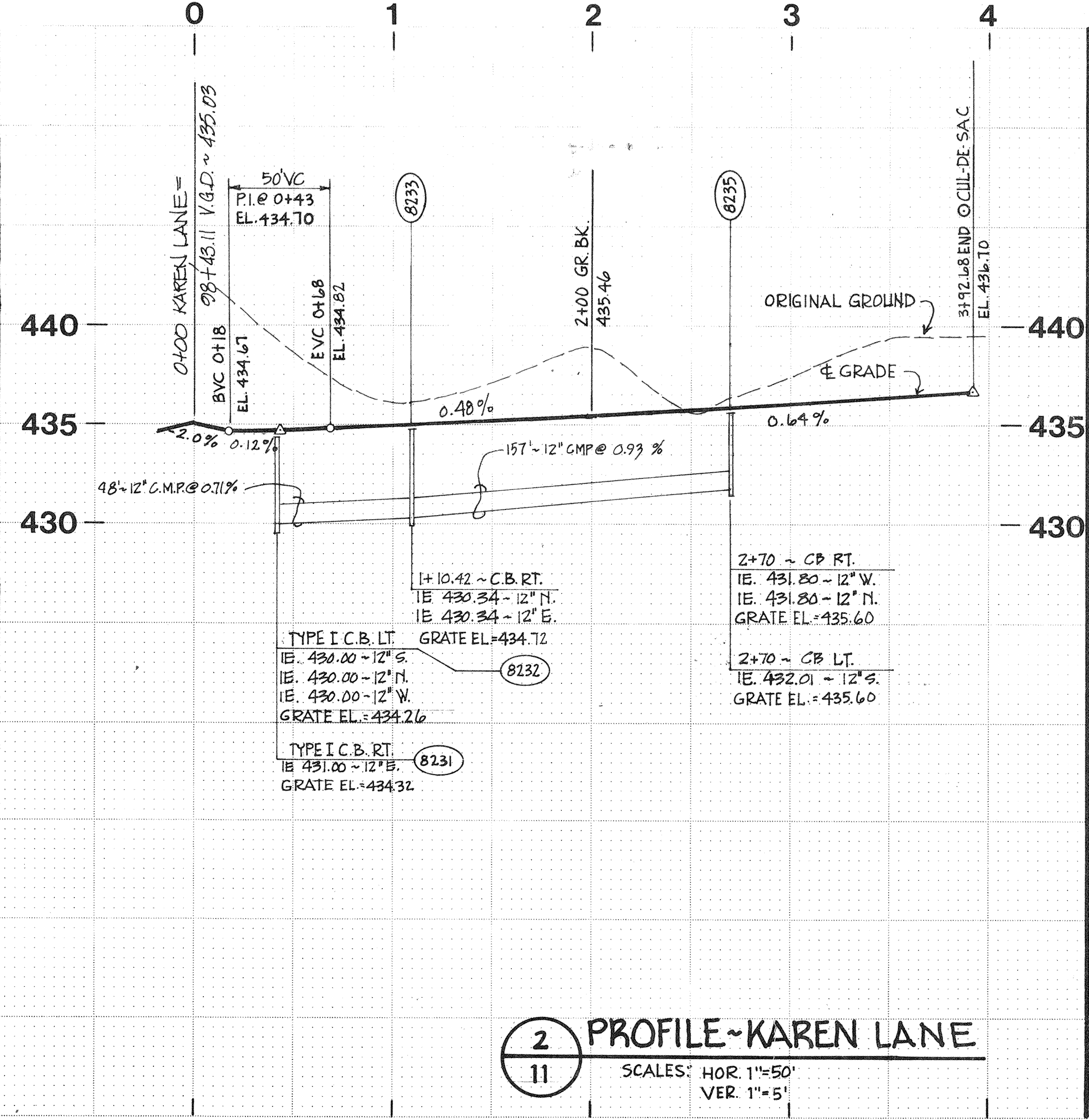
1 PLAN  
 SCALE: 1" = 50'



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. WOOD, 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

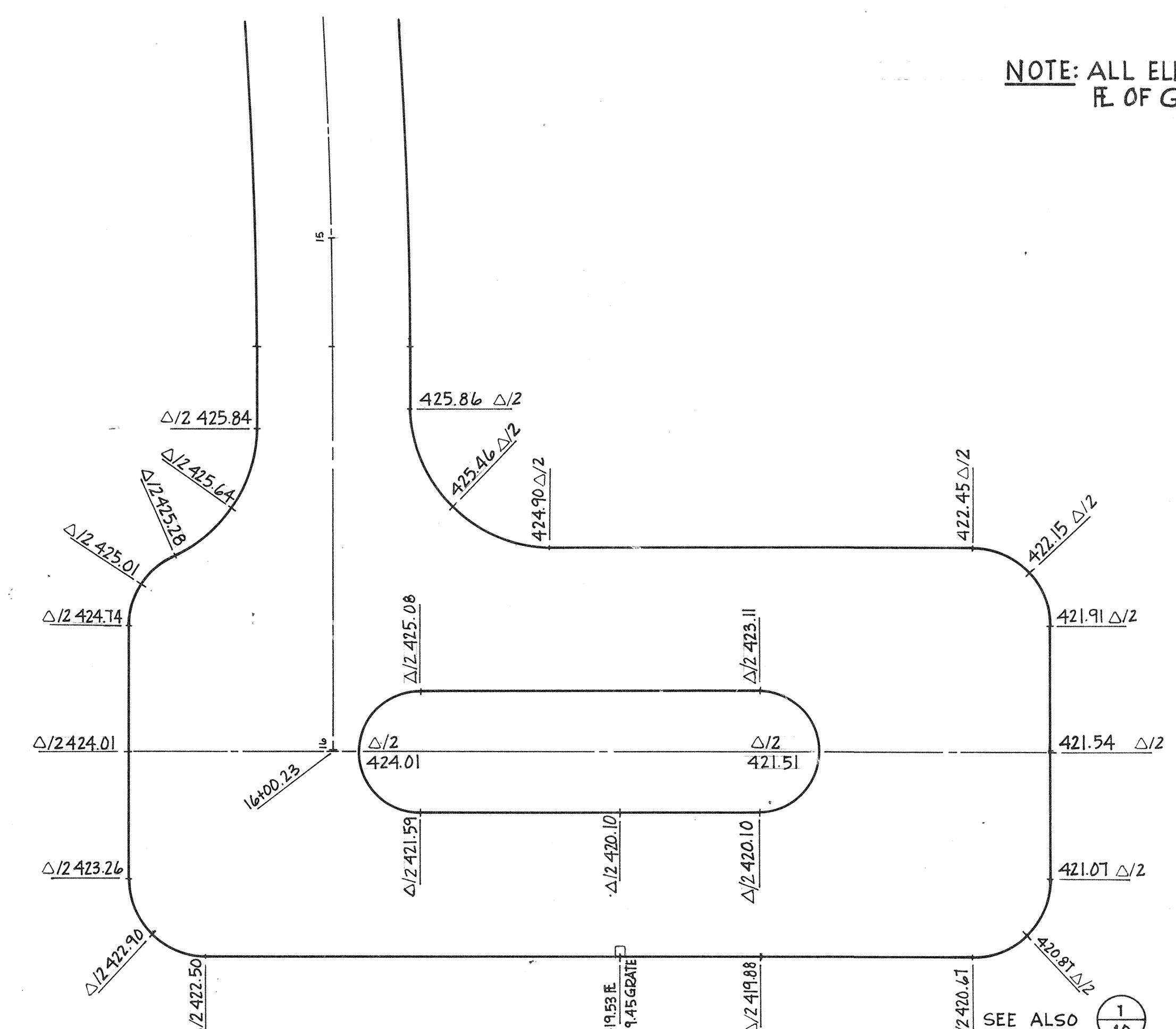
Revisions:  
 Date: NOV 1978  
 Scale: AS NOTED  
 Designed: R. COUPE  
 Drawn: RLL  
 Checked: MWC  
 Approved: R. Coupe  
 Dwg. Number: 3-2031-1001-20-D1  
 SHEET: 11 of 14

VINEMAPLE, WILLOWS

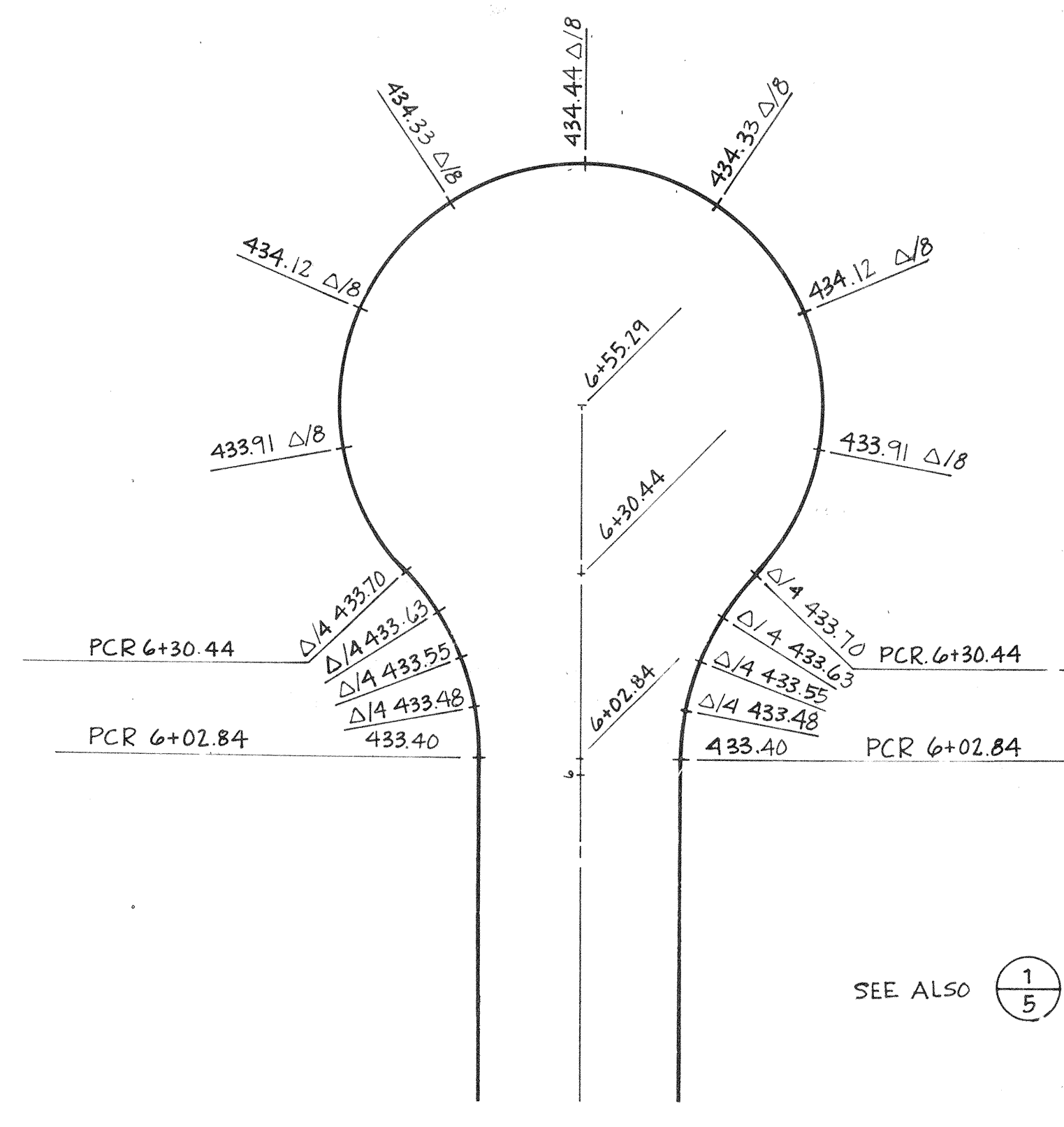




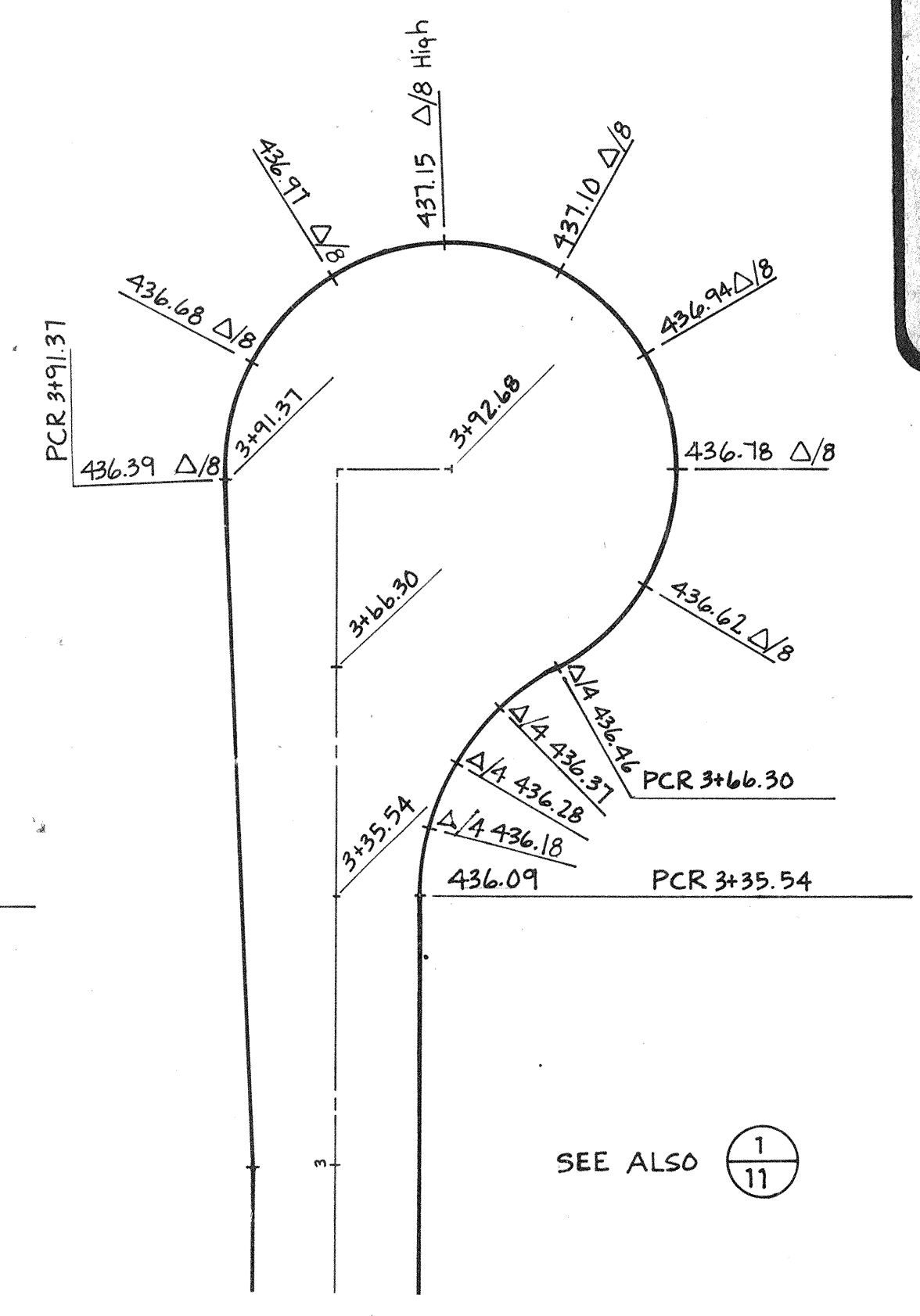
NOTE: ALL ELEVATIONS SHOWN ON THIS SHEET ARE  
RE. OF GLITTER UNLESS OTHERWISE NOTED.



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



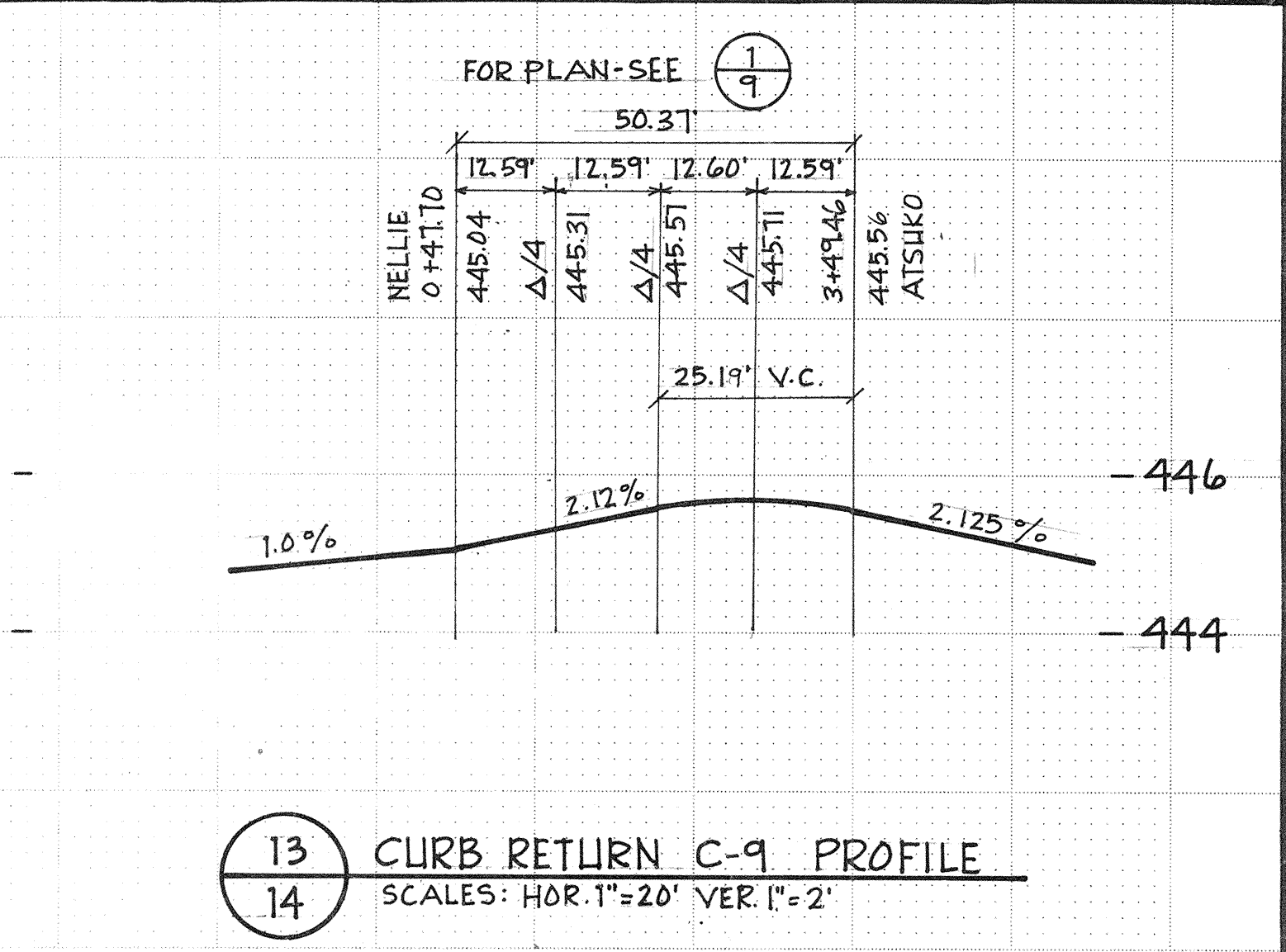
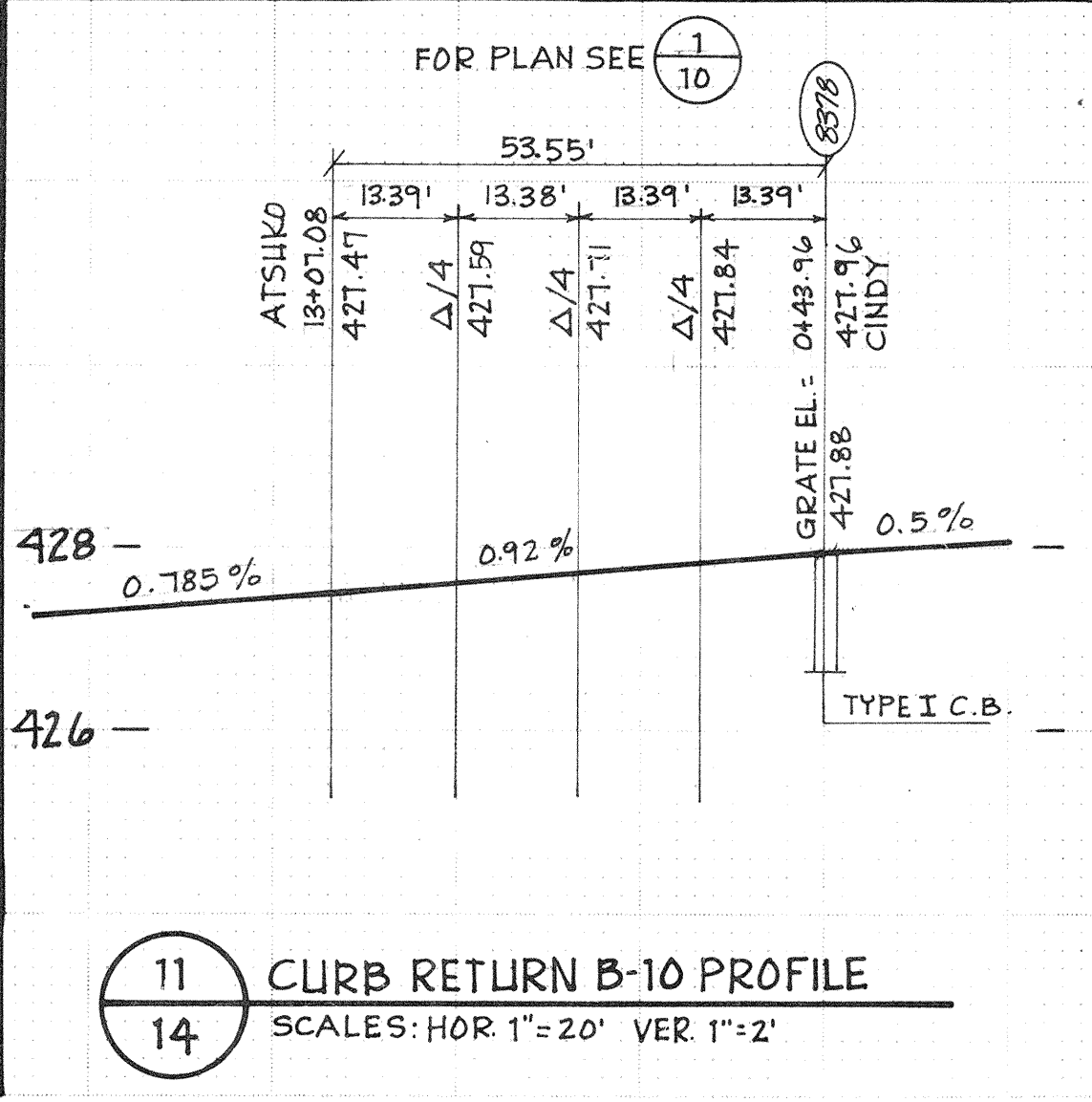
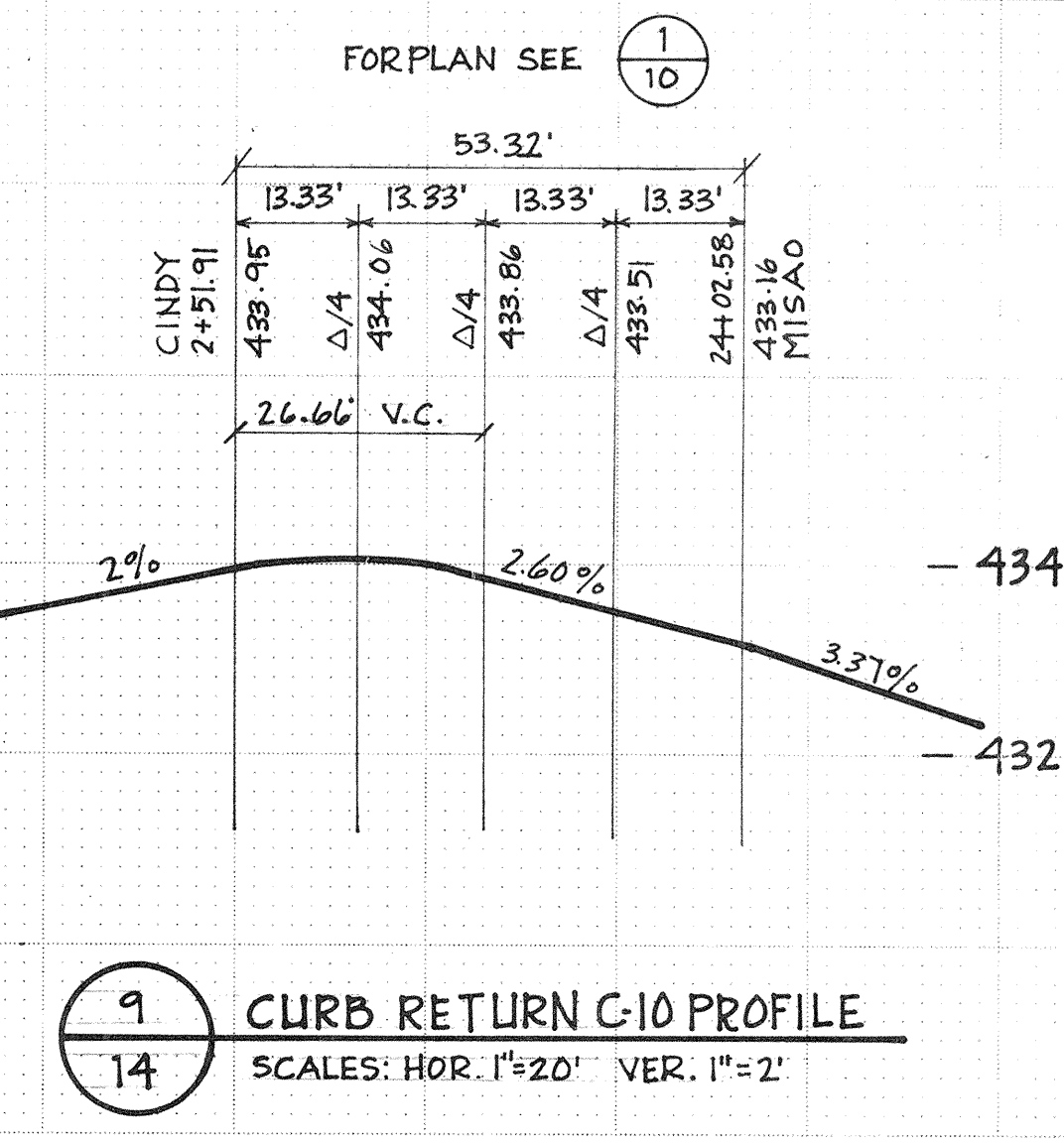
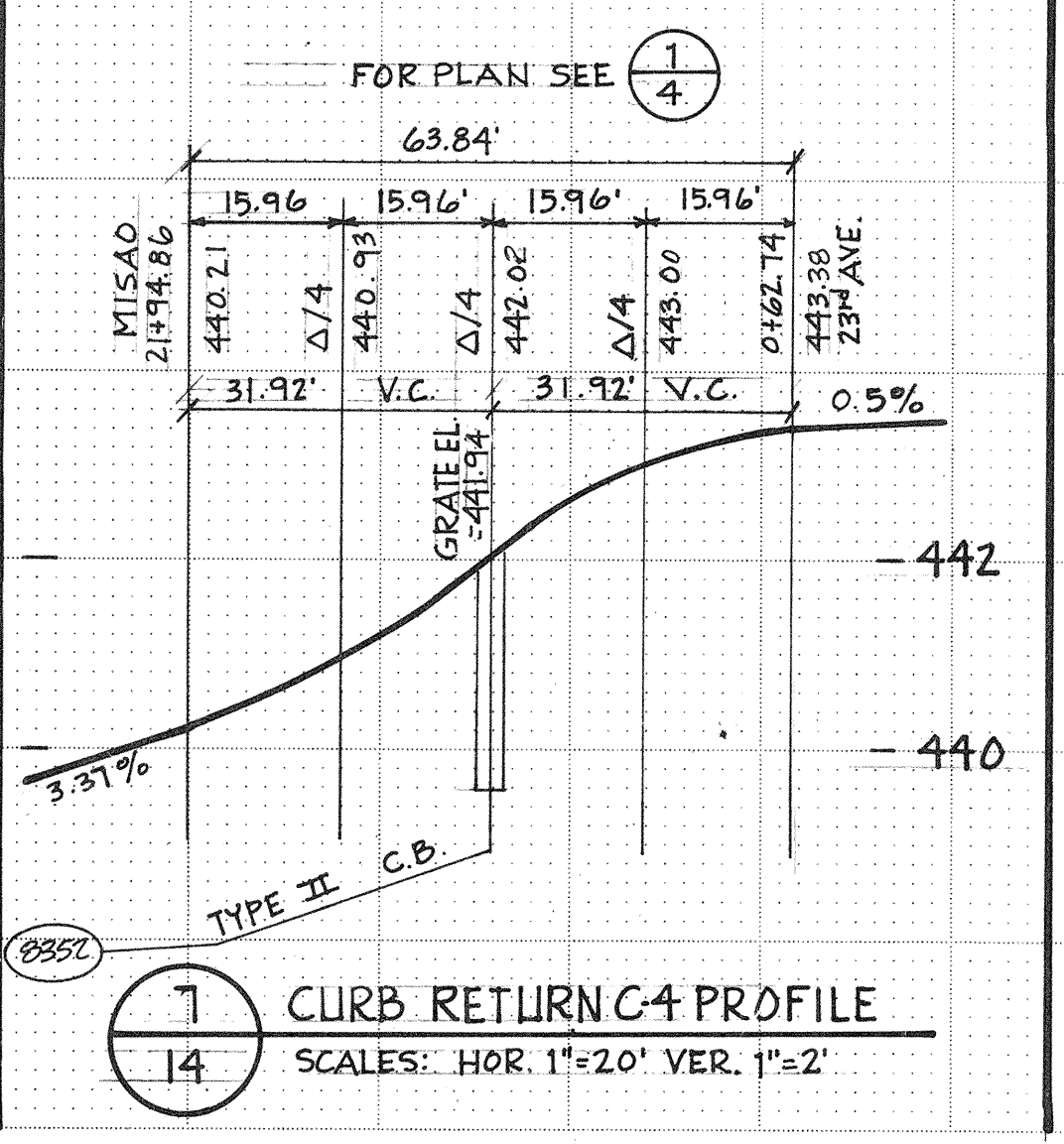
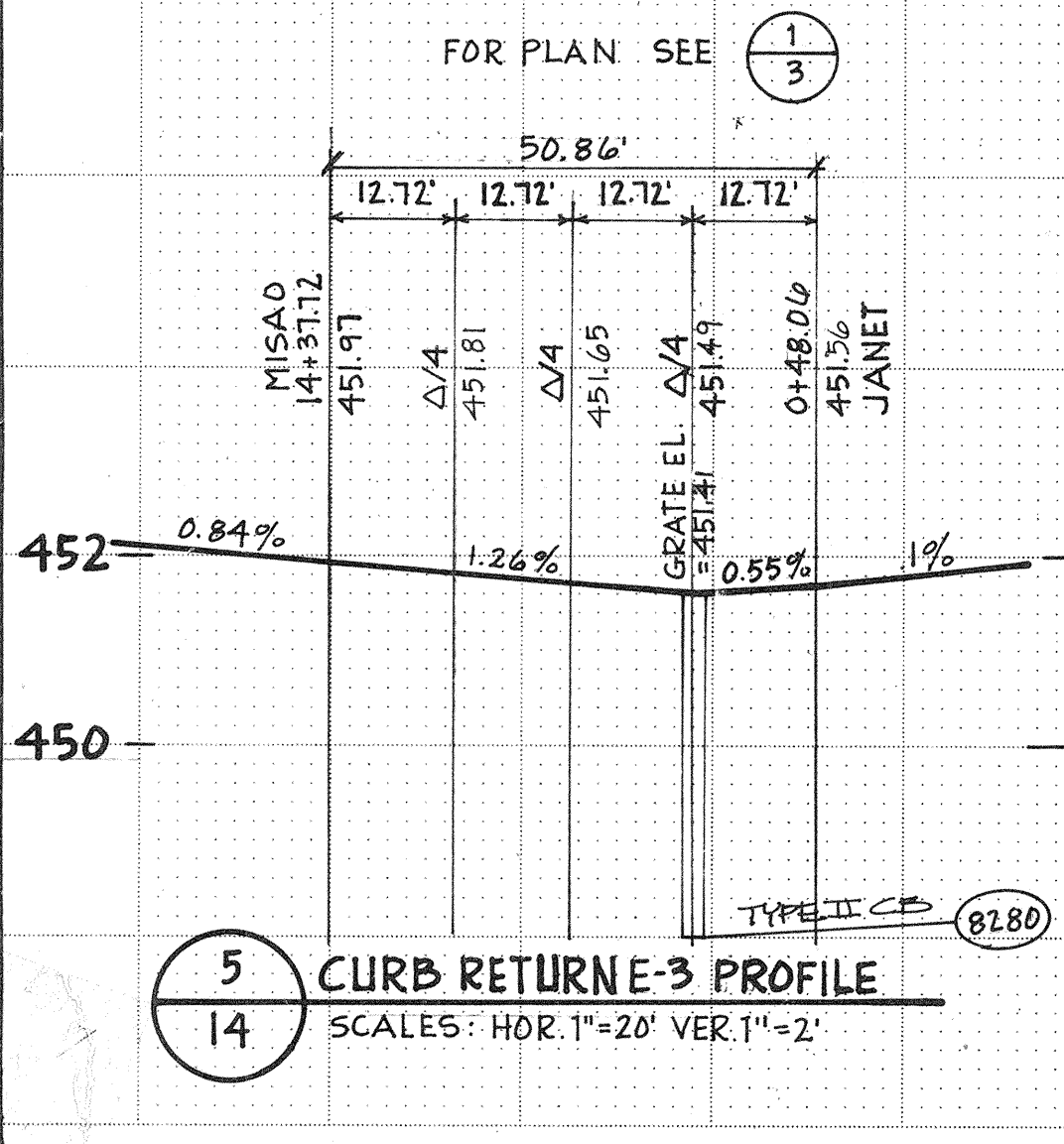
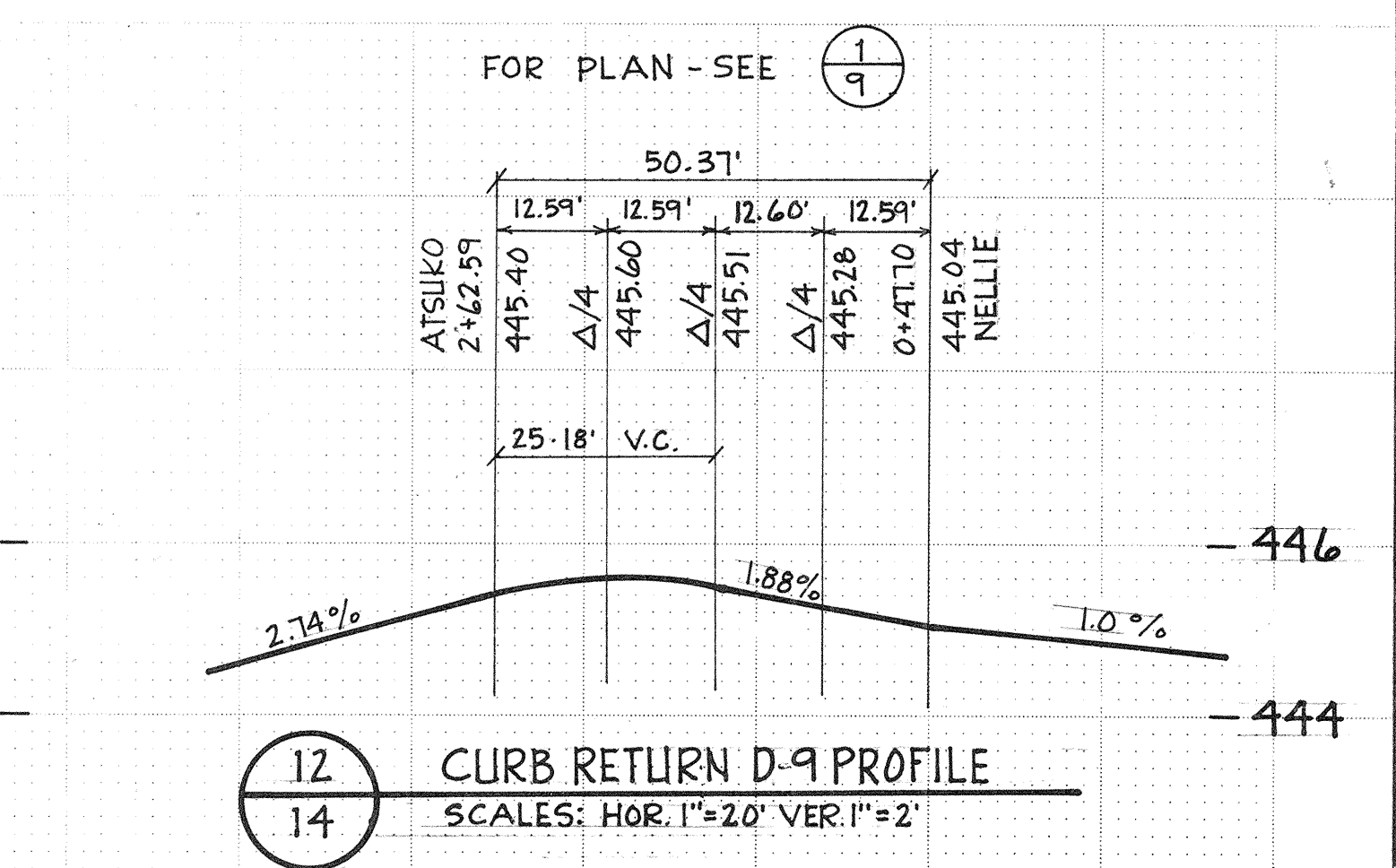
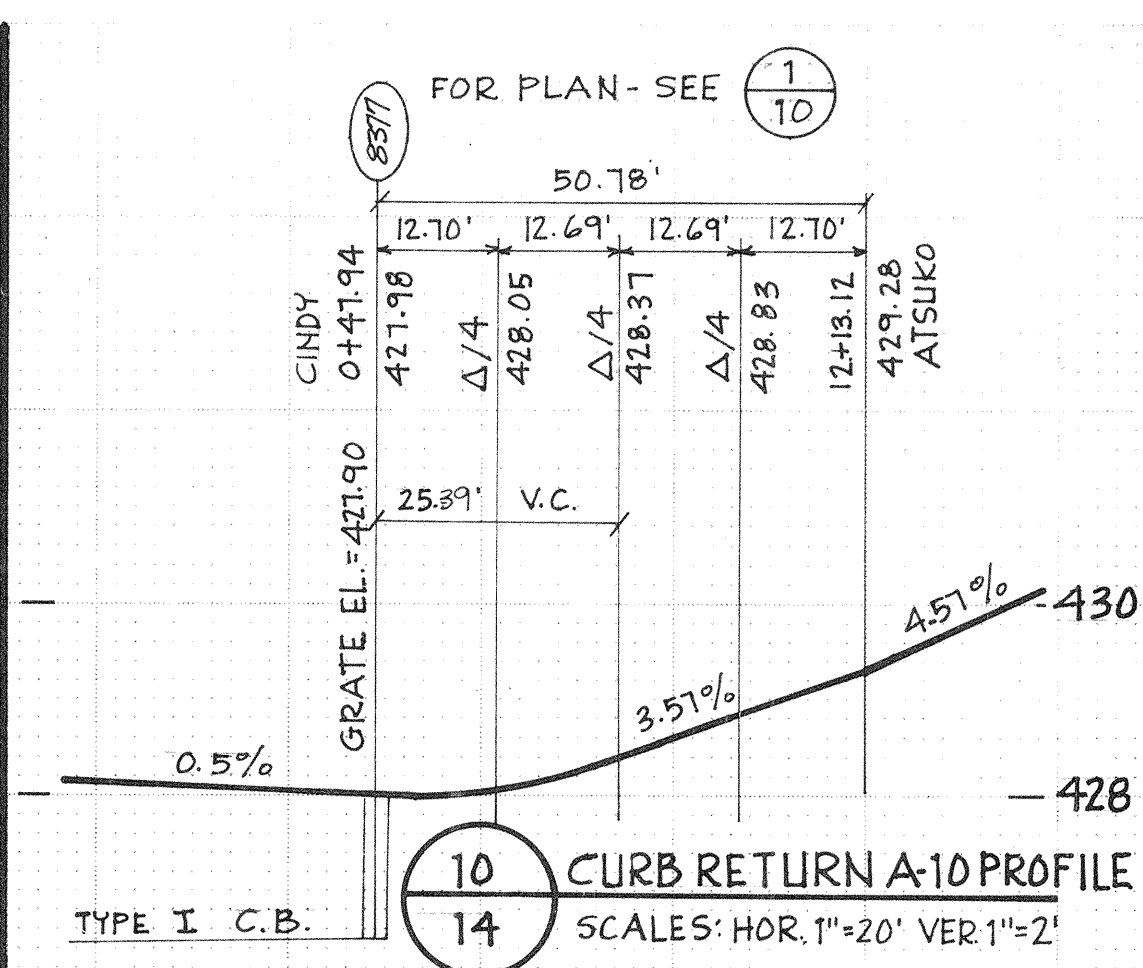
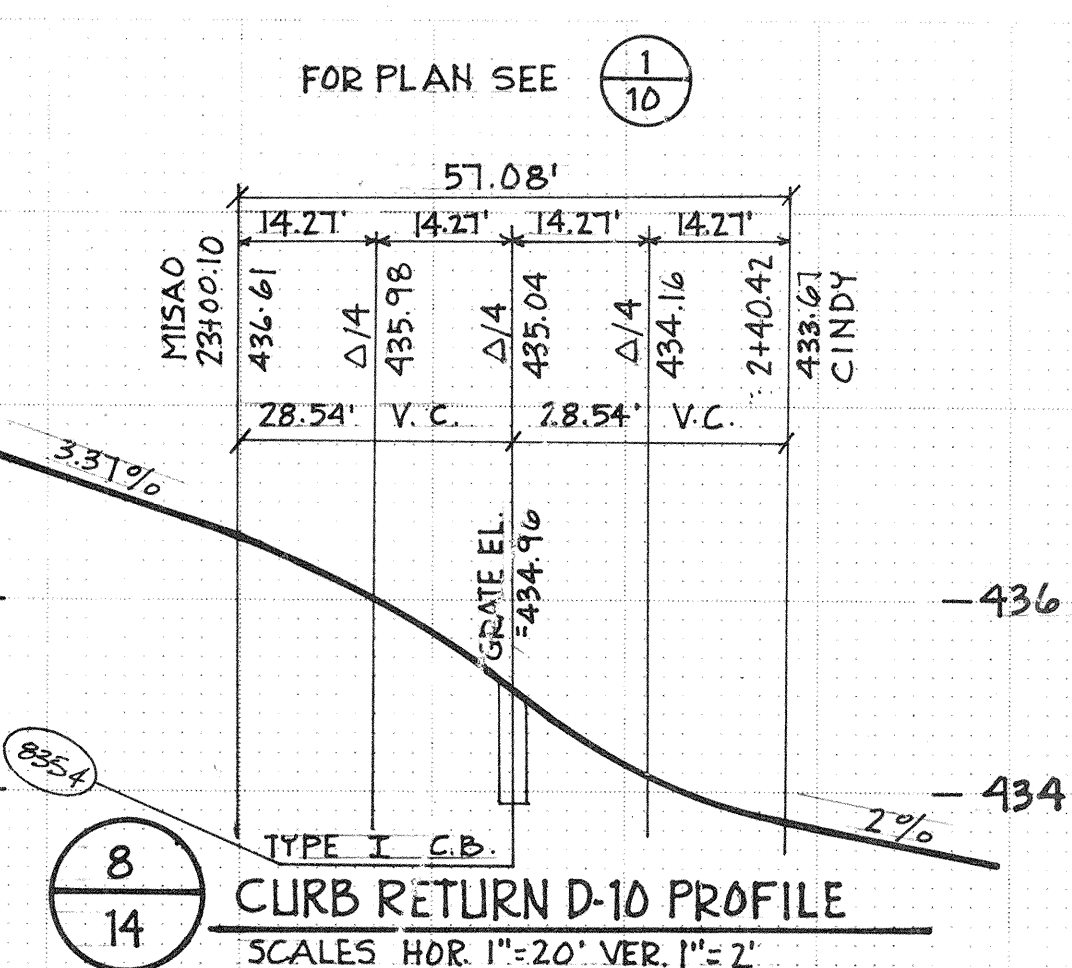
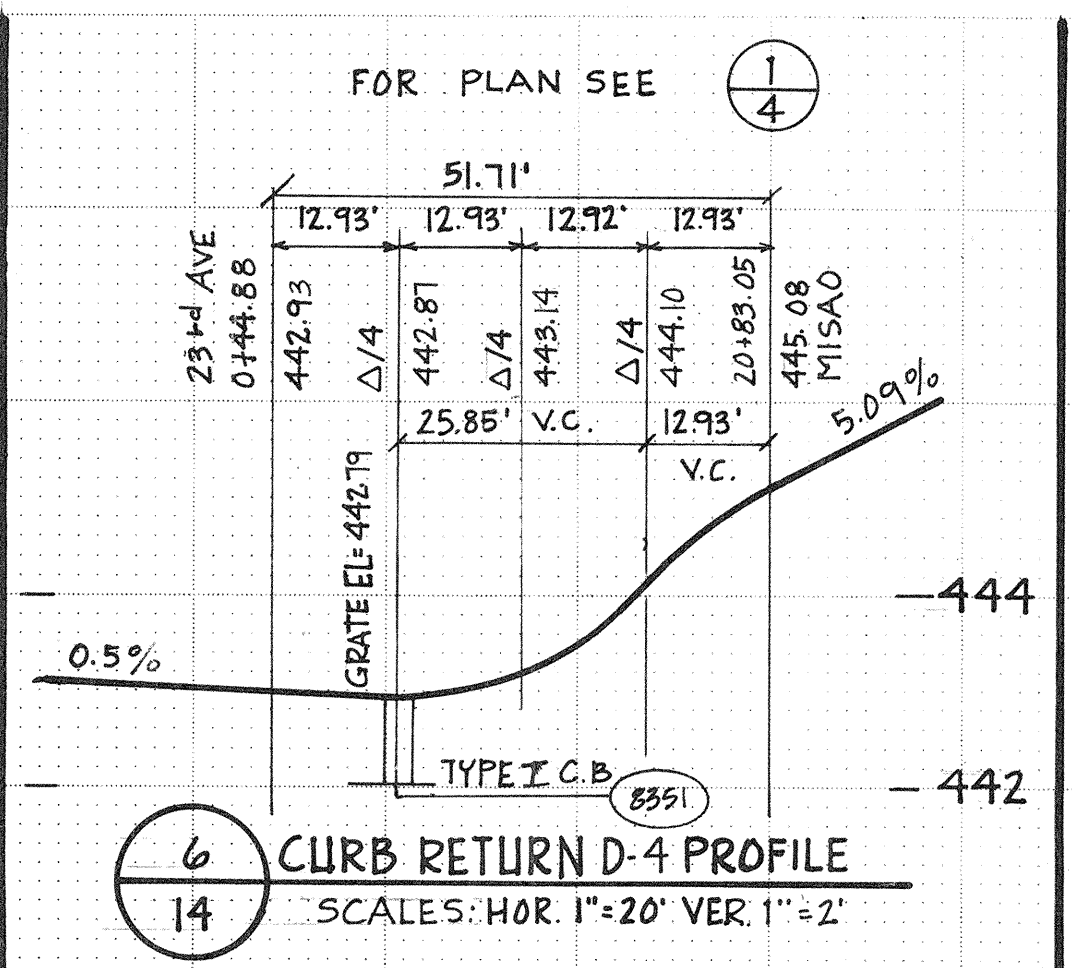
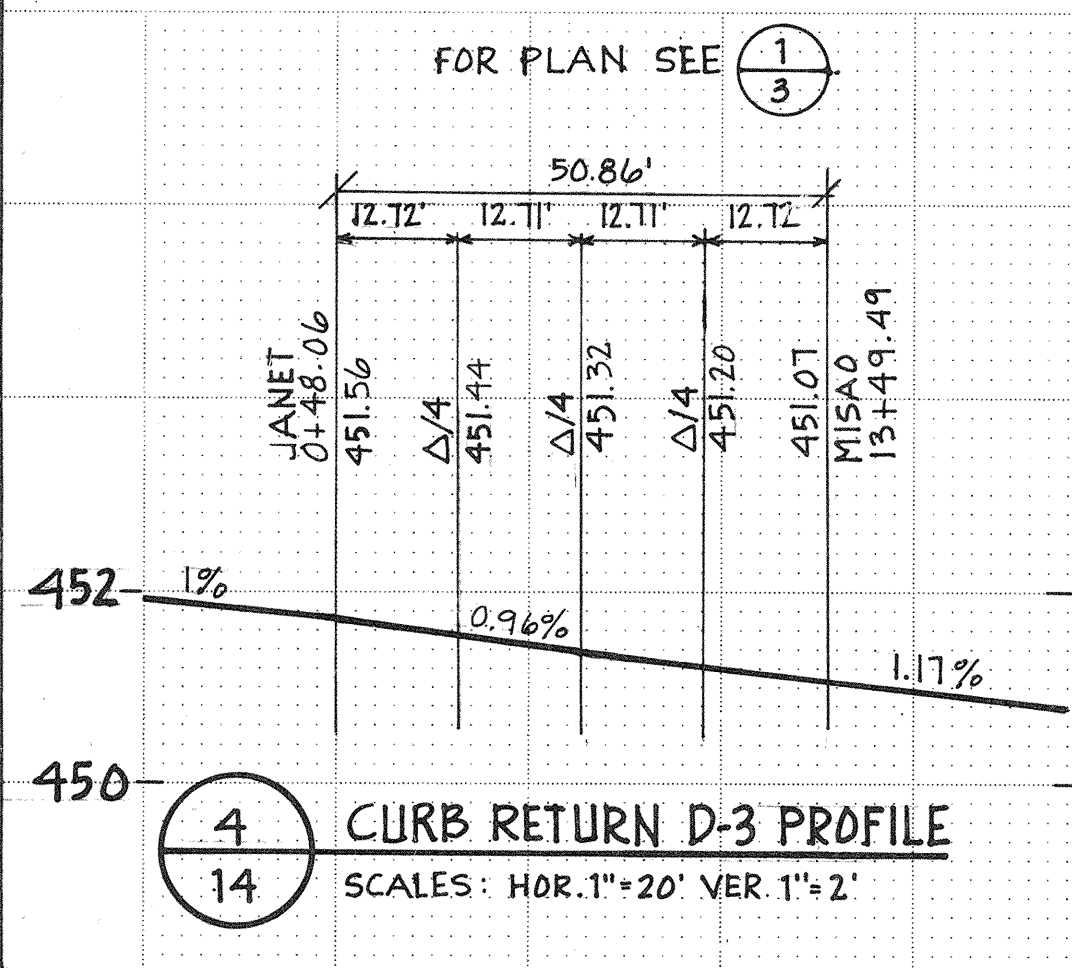
2  
14 **Kathleen Ct. Cul-de-sac**  
SCALE: 1" = 20'



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

**approval**  
FOR CONSTRUCTION!  
Site Work by R. J. DeBakey Feb 27, 1978  
Gerald E. Wood, P.E.  
SNOWHOMISH COUNTY  
ENGINEER

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**GUTTER GRADES**  
**CREEK**

By Date  
Revisions  
General Revision  
Date NOV. 1978  
Scale AS NOTED  
Designed MJC  
Drawn R.L.L.  
Checked MJC  
Approved R. Coupe  
Dwg Number 3-2091-1001-20-D1  
SHEET