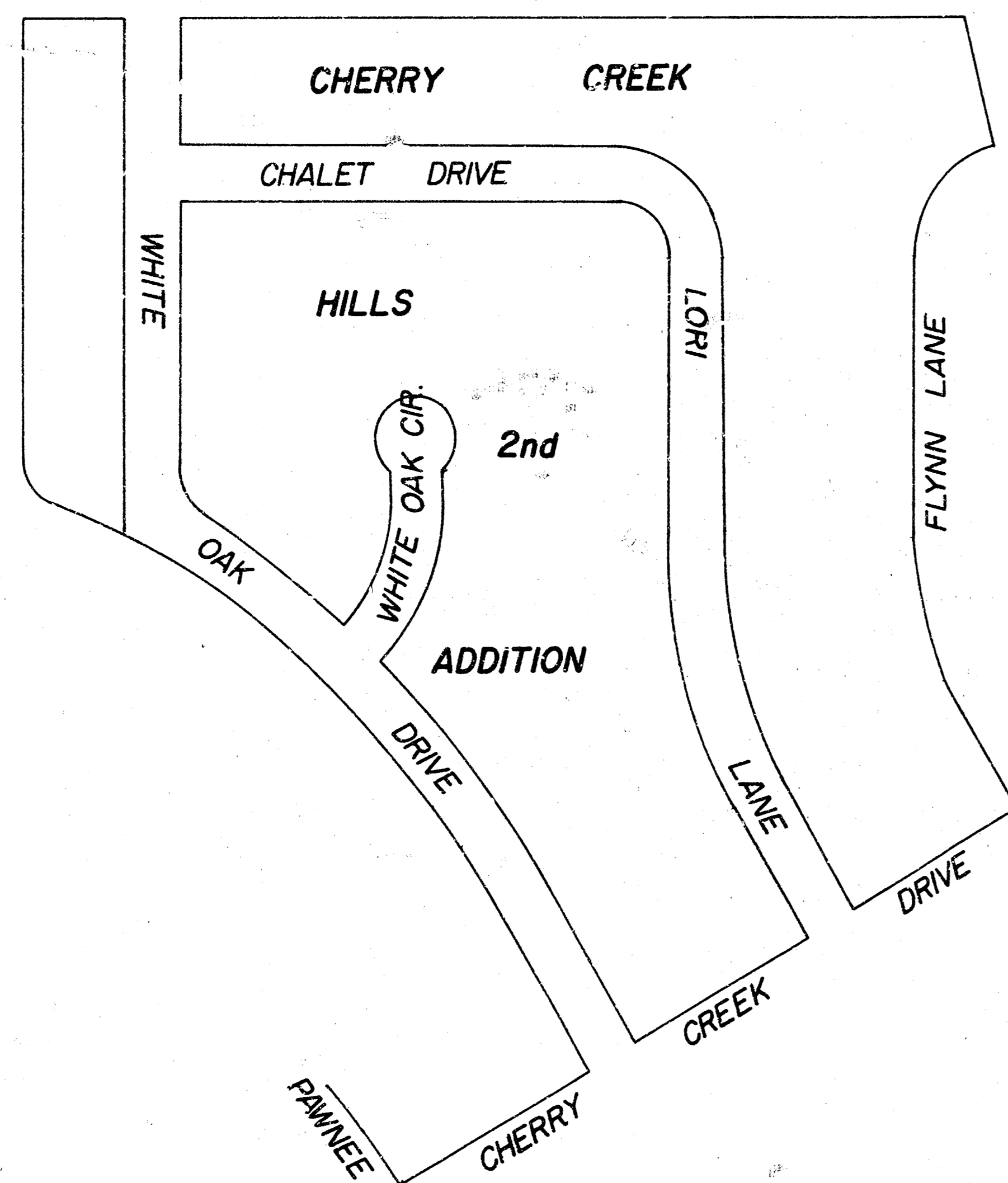


STREETS in CHERRY CREEK HILLS 2nd ADDITION

WHITE OAK DRIVE: N.L. Cherry Creek Drive—N.L. Cherry Creek Hills 2nd Addition


WHITE OAK CIRCLE: E.L. White Oak Drive to & Including Cul-de-Sac

LORI LANE & CHALET DRIVE: N.L. Cherry Creek Drive—E.L. White Oak Drive



CITY of WICHITA, KANSAS
 R.W. LINN—CITY ENGINEER
 DATE: AUGUST, 74
 Project No. DAKS575079

GENERAL NOTES

1. PAVING CONTRACTOR TO COORDINATE CONSTRUCTION WITH DRAINAGE CONTRACTOR.
2. TREES TO BE REMOVED ARE MARKED THIS  EXCEPT THAT ANY TREE MARKED FOR REMOVAL WHICH IN THE OPINION OF THE ENGINEER CAN BE SAVED SHALL BE SAVED.
3. ALL EXCAVATION IS TO REMAIN ON JOB SITE. EXTRA EXCAVATION FROM CHALET DRIVE AND LORI LANE IS TO BE USED ON WHITE OAK DRIVE AND WHITE OAK CIRCLE BEFORE BORROW MATERIAL IS USED.
4. NO MORE THAN 46 DRIVES MAY BE CONSTRUCTED ON THIS PROJECT. (20' DIA)
5. PAVING CONTRACTOR TO COORDINATE CONSTRUCTION WITH CHANNEL CONTRACTOR.
6. FIELD ENGINEER TO RE-CROSS SECTION THAT PORTION OF WHITE OAK DRIVE AND WHITE OAK CIRCLE AFFECTED BY CHANNEL CONSTRUCTION.
7. COST OF REMOVING WOOD PILES IS TO BE INCIDENTAL TO TREE REMOVAL.

INDEX

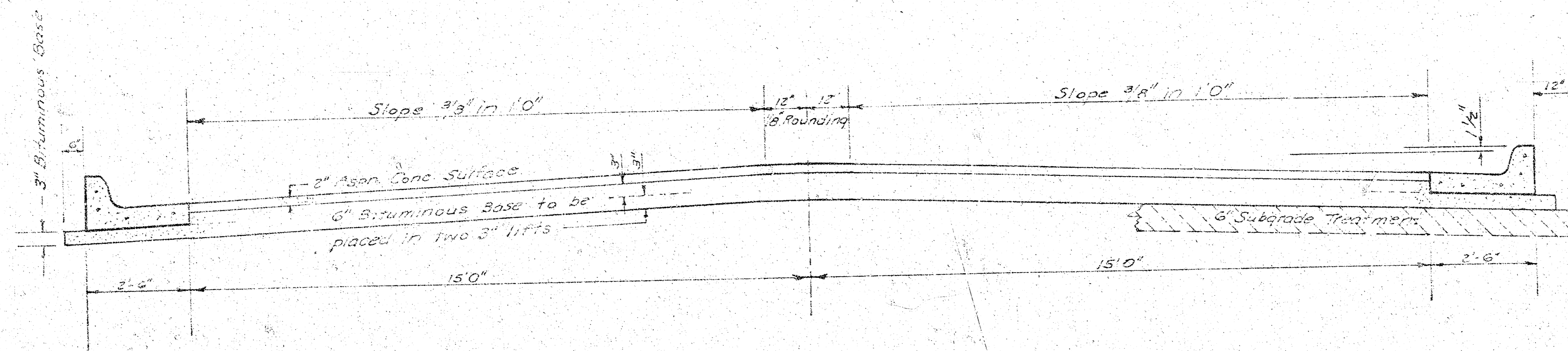
Sheet	
1.	Title Sheet
2.	Typical Section
3-5	Plan-White Oak Dr.
6	Plan-White Oak Cir.
7-8	Plan-Lori Lane
9	Plan-Chalet Dr.
10-16	Cross-Sections, All Streets

CHERRY CREEK HILLS 2ND ADDITION

WHITE OAK DRIVE: N.L. Cherry Creek Dr.-N.L. Cherry Creek Hills 2nd Add'n.

WHITE OAK CIRCLE: E.L. White Oak Dr. to & Including Cul-de-Sac

LORI LANE & CHALET DRIVE: N.L. Cherry Creek Dr.-E.L. White Oak Dr.



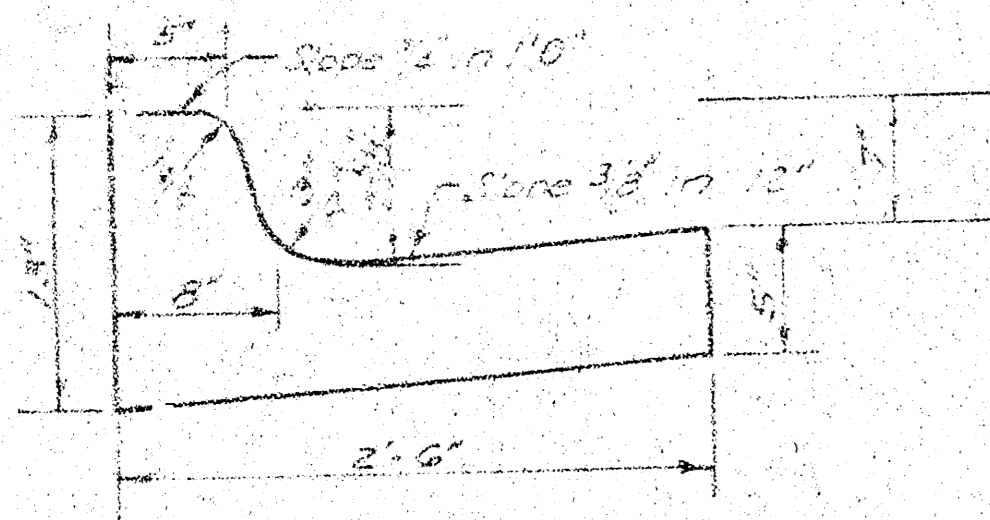
TYPICAL SECTION

35' ASPHALTIC CONCRETE PAVEMENT WITH BITUMINOUS BASE

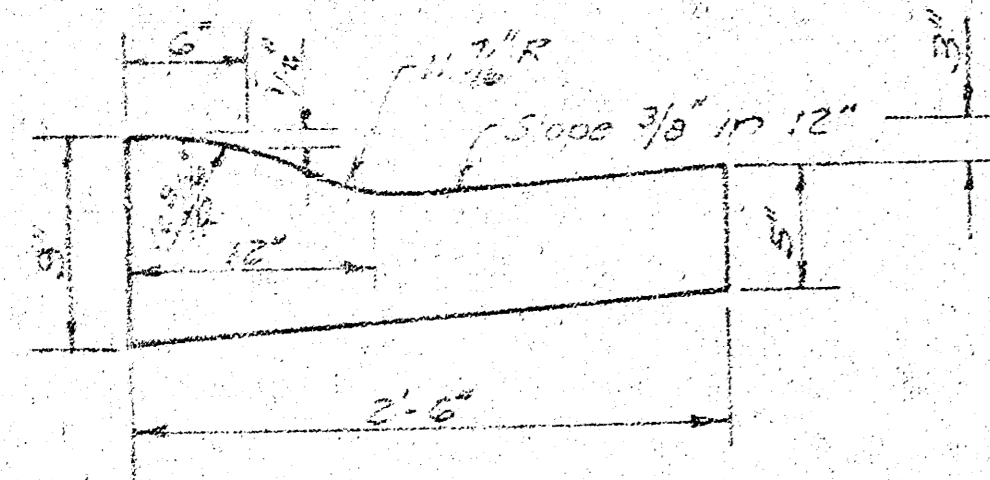
*The A.C. Pavement between the comb curb & gutter shall be paid as Sq.Yds. 8" A.C. Pavement (6" Bituminous Base).
The Bituminous Base under the comb curb & gutter shall be paid as Sq.Yds. 3" Bituminous Base.*

A TACK COAT OF EMULSIFIED ASPHALT (SS-1H) SHALL BE APPLIED AT AN APPROXIMATE RATE 0.05 GALLONS PER SQ YD BETWEEN LIFTS OF ASPHALTIC MATERIALS WHEN ORDERED BY THE ENGINEER. TACK COAT WILL NOT BE PAID FOR DIRECTLY AND SHALL BE CONSIDERED AS SUBSIDIARY TO PRICE BID FOR ASPHALTIC PAVEMENT. BITUMINOUS BASE AND ASPHALTIC CONCRETE WEARING SURFACE SHALL BE PLACED WITH A LAYDOWN MACHINE HAVING AUTOMATIC ELECTRONIC CONTROLS FOR CROWN AND GRADE. CONSTRUCTION JOINTS IN EACH LIFT SHALL BE STAGGERED A MINIMUM DISTANCE OF 1' WITH JOINTS IN PRECEDING LIFTS AND PLACED SUCH THAT A JOINT WILL BE CONSTRUCTED ON THE CENTERLINE IN THE TOP LIFT.

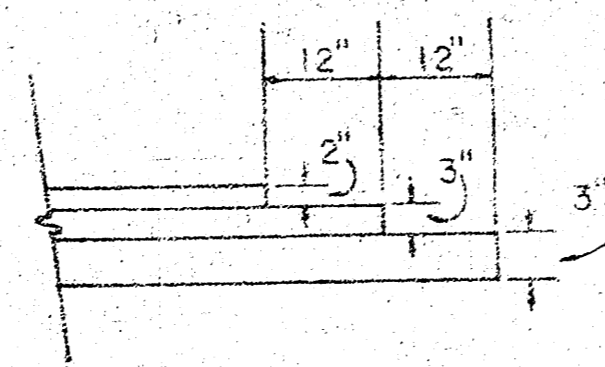
COMBINED CURB & GUTTER



ROLL TYPE CURB & GUTTER



DETAIL OF TRANSVERSE CONSTRUCTION JOINTS



TRANSVERSE CONSTRUCTION JOINTS SHALL BE CONSTRUCTED IN FLEXIBLE BASE PAVEMENTS AT LOCATIONS WHERE PAVEMENT TEMPORARILY ENDS TO FACILITATE FUTURE PAVEMENT CONSTRUCTION AS SHOWN BY DETAIL. THE COST OF CONSTRUCTING THE TRANSVERSE CONSTRUCTION JOINTS SHALL NOT BE MEASURED OR PAID FOR DIRECTLY BUT SHALL BE INCLUDED IN THE BID PRICE FOR SQUARE YARDS OF ASPHALTIC CONCRETE PAVEMENT.

CITY OF WICHITA KANSAS

DEPARTMENT of PUBLIC WORKS - Engineering Division.

R. W. LINN CITY ENGINEER

DATE _____ Proj No. DW5579077

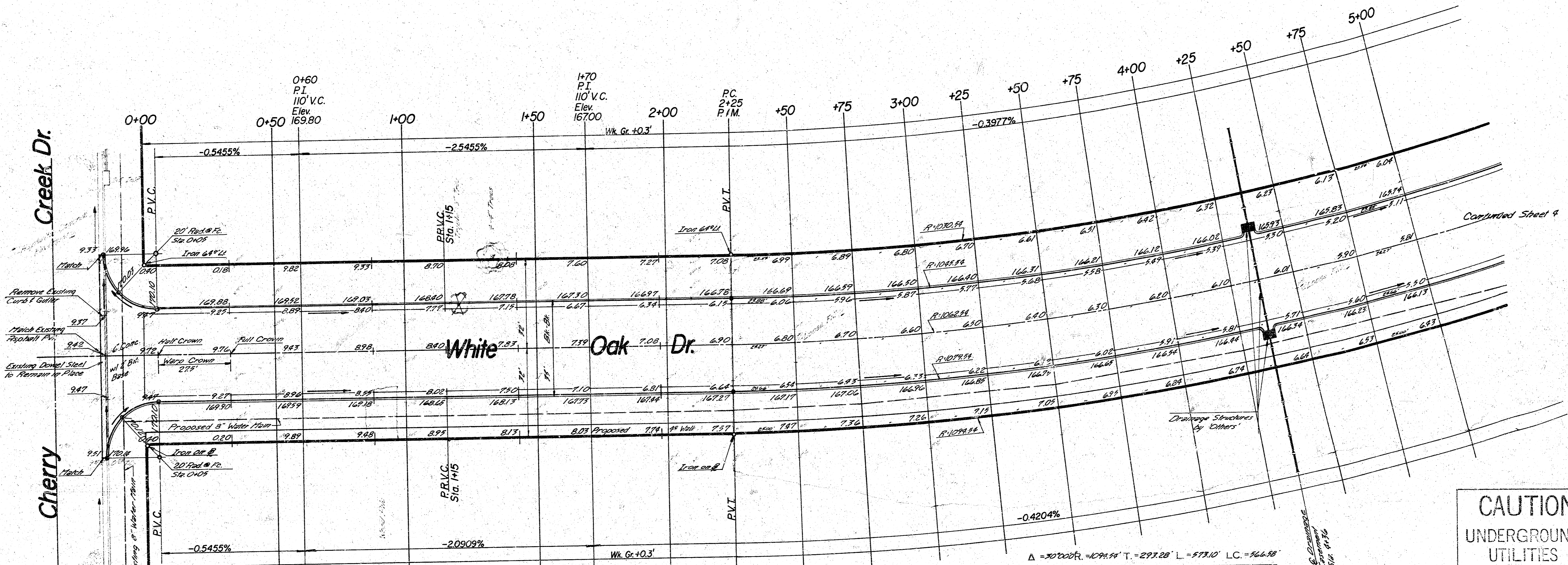
B-M

FILMED FROM THE BEST AVAILABLE COPY.....

B.M. 171.33 'D' Top Curb at So. End of Rad. S.W. Corner Cherry Creek Dr. and White Oak Dr. So.

Ⓢ is E. P. White Oak Dr.

SCALE 1"=20'



Survey Station
Elev. Checked
Elev. Checked

Any Asphalt Disturbed during Curb & Gutter Removal is to be Replaced. Cost of Replacing Asphalt is to be Incidental to Cost of Removing Curb & Gutter.

Station	EARTHWORK	
	Prop.	City
0+60 P.I. 110' V.C. Elev. 169.80	Excav. +10% 2132.7	706.4
	Total 2346.0 C.Y.	777.0 C.Y.
	Comp. Fill +10% 97.0	62.3
	Total 1067.0 C.Y.	685.6 C.Y.
	Manipulation 3810.3 S.Y.	2196.0 S.Y.

SUB-GRADE
TYPE OF SUB-GRADE TREATMENT SHALL BE DETERMINED BY THE FIELD ENGINEER. SUB-GRADE TREATMENT MAY CONSIST OF LIME-TRE TEMENT, CEMENT TREATMENT, SUB-GRADE MODIFICATION, OR ANY COMBINATION OF THESE.

NOTE TO FIELD ENGINEER & CONTRACTOR
Grade parking and clear right-of-way for proposed sidewalk. Compact fill in sidewalk area to be constructed by "OTHERS".

Δ = 107020R, 109154' T, 293.28' L, 579.10' L.C., 966.58'

CURVE DATA BASED ON E.P. RAD. Δ = 107020

STA.	ARC.	CHORD LENGTH		DEFLECTION	TOTAL DEFLECTION
		CHORD	CHORD		
2+25					0°00'00"
2+30	25.00	23.70	24.88	0°39'16"	0°39'16"
2+35				0°39'16"	0°78'32"
2+40				0°39'16"	0°117'48"
2+45				0°39'16"	0°157'04"
2+50				0°39'16"	0°196'20"
2+55				0°39'16"	0°235'36"
2+60				0°39'16"	0°274'52"
2+65	25.00	23.70	24.88	0°39'16"	0°314'08"
2+70				0°39'16"	0°353'24"
2+75				0°39'16"	0°392'40"
2+80				0°39'16"	0°431'56"
2+85				0°39'16"	0°471'12"
2+90				0°39'16"	0°510'28"
2+95				0°39'16"	0°549'44"
3+00	25.00	23.70	24.88	0°39'16"	0°589'00"

Curve Data Table Continued on Following Sheet Def'n. 1:5704011/11/11

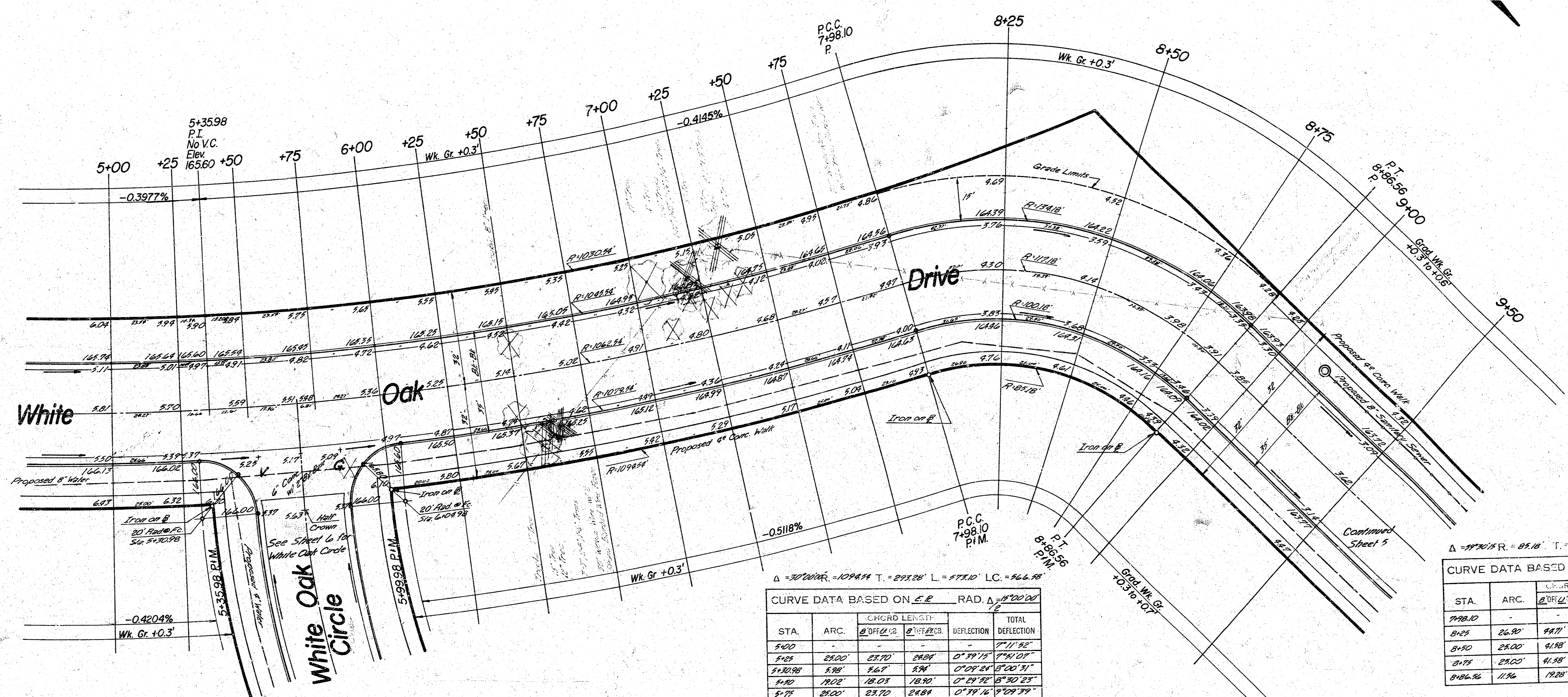
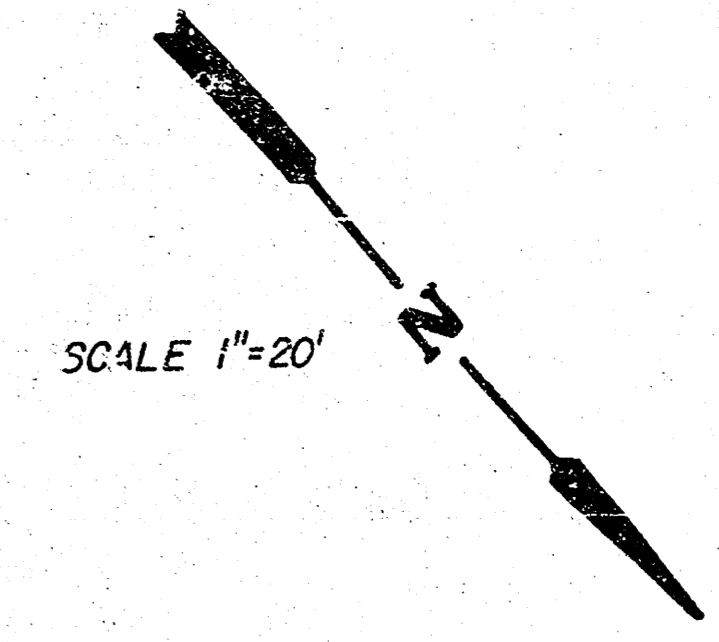
CAUTION UNDERGROUND UTILITIES
Please check with K & E or Southwestern Bell Telephone Co. for Location

White Oak Drive
N.L. Cherry Creek Dr. - N.L.
Cherry Creek Hills 2nd Add'n.

B-M

FILMED FROM THE BEST AVAILABLE COPY

B.M. 171.33 '□' Top Curb at So. End of Rad. on S.W. Corner Cherry Creek Dr. & White Oak Dr. So.
 E is E. of White Oak Dr.



Δ = 30°20'44" = 10°44'4" T = 291°28' L = 571.0' LC = 464.8'

CURVE DATA BASED ON E.P. RAD. Δ = 20°45'08"

STA.	ARC.	CHORD LENGTH		DEFLECTION	TOTAL DEFLECTION
		CHORD	CHORD		
5+00	-	-	-	-	7°11'52"
5+25	25.00	23.70	24.84	0°39'15"	7°51'07"
5+50	5.98	5.67	5.94	0°04'24"	8°00'31"
5+75	19.02	18.03	18.90	0°24'28"	8°30'23"
5+75	25.00	23.70	24.84	0°39'16"	9°09'39"
6+00	25.00	23.70	24.84	0°39'15"	9°48'54"
6+25	5.98	5.72	5.94	0°04'24"	9°53'41"
6+50	20.02	18.98	19.89	0°31'21"	10°25'02"
6+75	25.00	23.70	24.84	0°39'15"	11°02'17"
6+75	-	-	-	0°39'16"	11°41'41"
7+00	-	-	-	0°39'16"	12°20'55"
7+25	-	-	-	0°39'15"	12°59'10"
7+50	-	-	-	0°39'16"	13°37'28"
7+75	25.00	23.70	24.84	0°39'15"	14°15'45"
7+75	23.70	23.90	22.85	0°36'11"	14°52'00"

DATE: 11/20/01 HAN/PT

Δ = 20°45'08" = 85.18' T = 46.60' L = 38.26' LC = 81.54'

CURVE DATA BASED ON E.P. RAD. Δ = 20°45'08"

STA.	ARC.	CHORD LENGTH		DEFLECTION	TOTAL DEFLECTION
		CHORD	CHORD		
7+75	-	-	-	-	0°00'00"
8+25	26.90	24.71	26.99	0°02'40"	0°02'40"
8+50	25.00	21.88	26.96	0°24'30"	0°27'10"
8+75	25.00	21.88	26.96	0°24'30"	0°51'40"
8+75	11.96	19.28	12.50	3°33'18"	0°48'22"

DATE: 20/11/01 HAN/PT

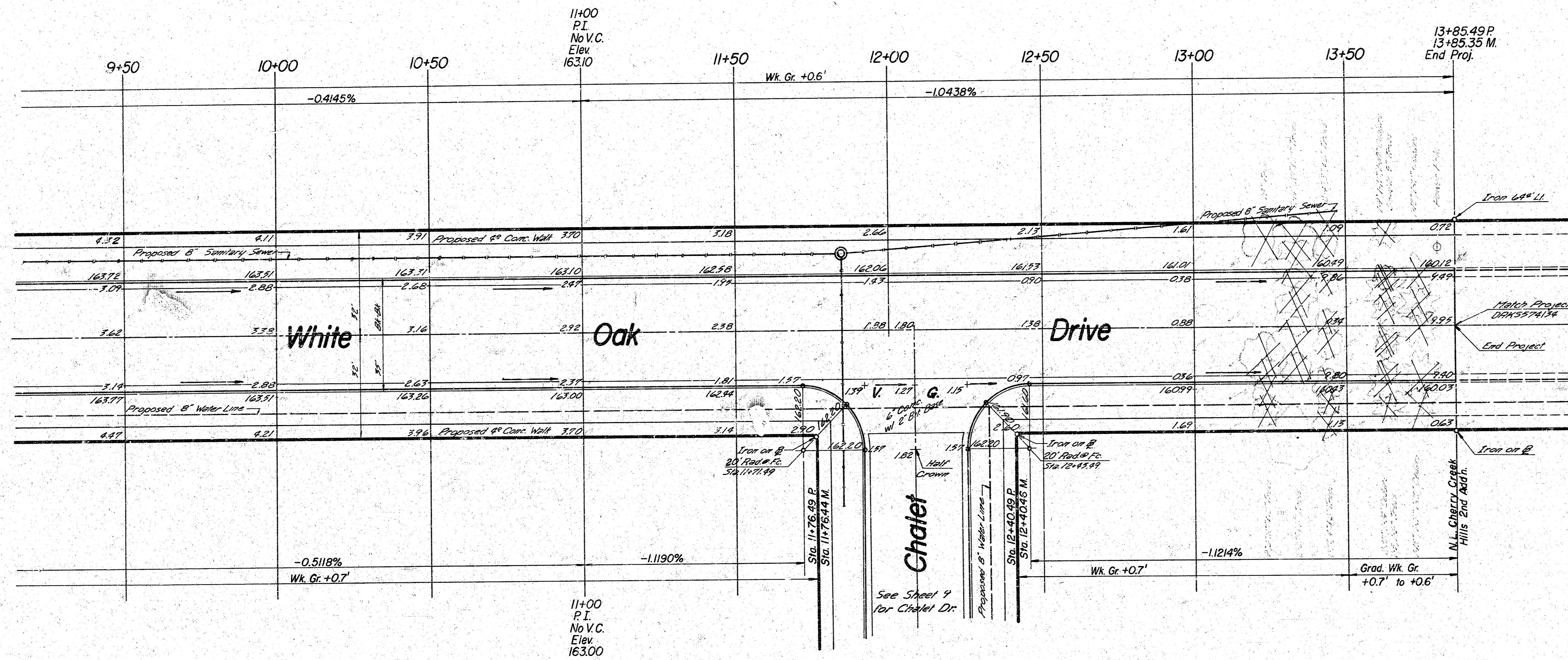
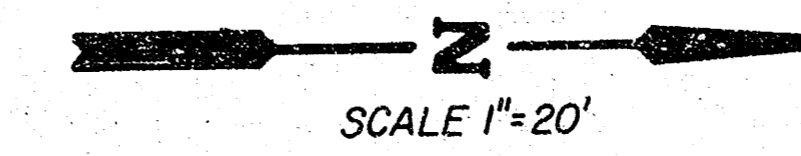
White Oak Drive
 N.L. Cherry Creek Dr.-N.L.
 Cherry Creek Hills 2nd Add'n.

B-M

FILMED FROM THE BEST AVAILABLE COPY.....

B.M. 171.33 '□' Top Curb at So. End of Rad. on S.W. Corner Cherry Creek Dr. & White Oak Dr. So.
 B.M. 159.16 R.R. Spike, N.S. Power Pole 7' East of W.L. White Oak Dr. & 6' So. of N.L. Cherry
 Creek Hills 2nd Add'n.

Ⓢ is E. of White Oak Dr.



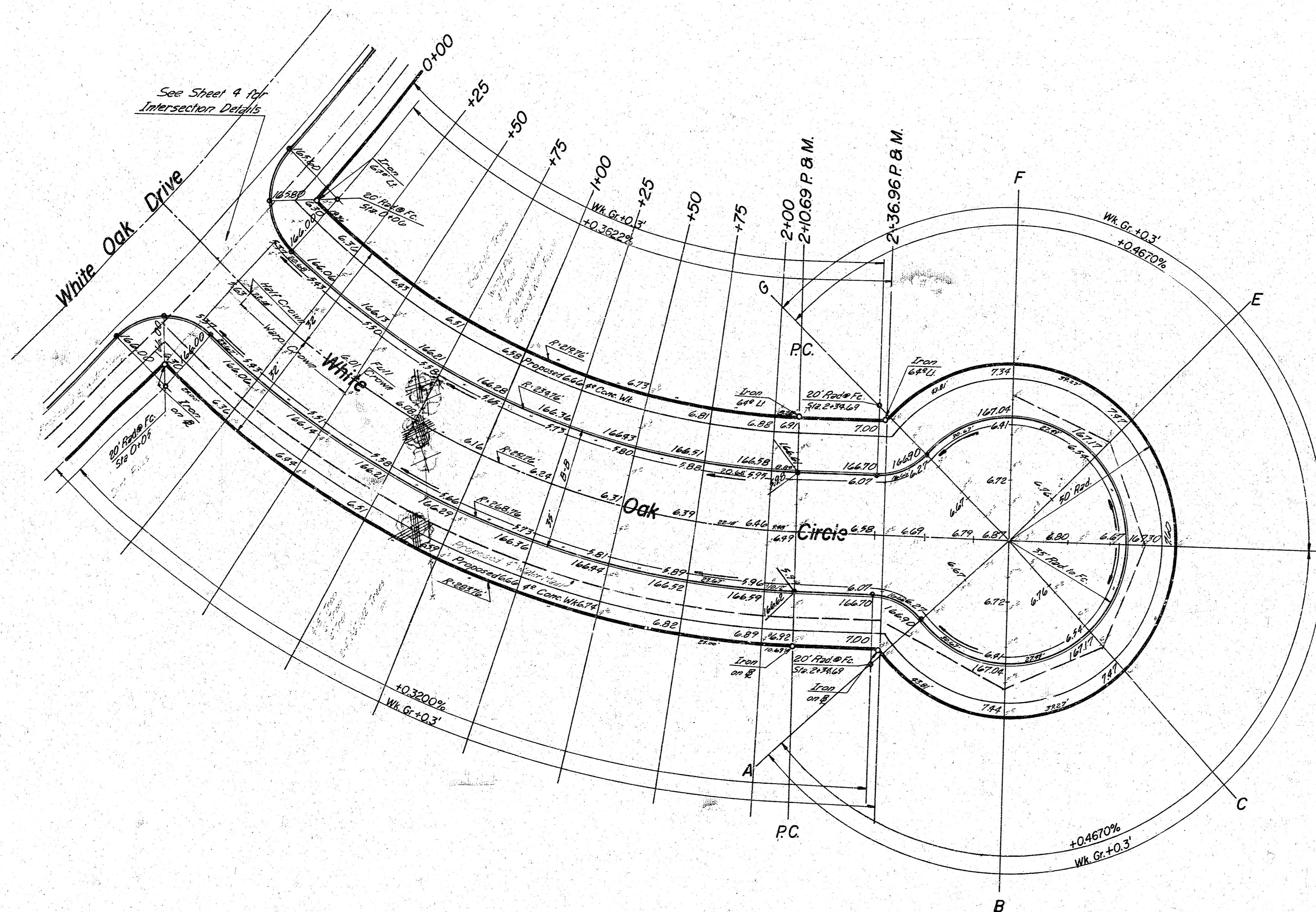
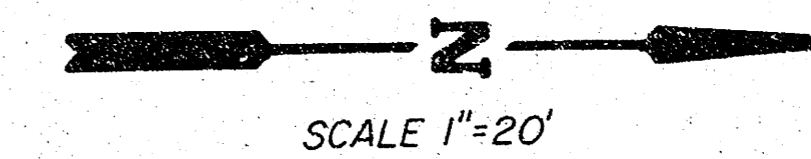
White Oak Drive
 N.L. Cherry Creek Dr. - N.L.
 Cherry Creek Hills 2nd Add'n.

B-M

FILMED FROM THE BEST

B.M. 159.16 R.R. Spike, N.S. Power Pole 7'E. of W. L. White Oak Dr. & 6' So.
 N. L. Cherry Creek Hills 2nd Addition

B is S.E. of P



$\Delta = 42^\circ 22' 28''$ $R = 281.76'$ $T = 10.41'$ $L = 210.64'$ $LC = 20.588'$

CURVE DATA BASED ON S.E. RAD. $D = 21^\circ 16' 15''$

STA.	ARC.	CHORD LENGTH	DEFLECTION	TOTAL DEFLECTION
0+00	-	-	-	0°00'00"
0+25	25.00'	19.97'	2°31'26"	2°31'26"
0+50	"	"	5°02'52"	5°02'52"
0+75	"	"	7°34'18"	7°34'18"
1+00	"	"	10°05'44"	10°05'44"
1+25	"	"	12°37'10"	12°37'10"
1+50	"	"	15°08'36"	15°08'36"
1+75	"	"	17°40'02"	17°40'02"
2+00	25.00'	19.97'	2°31'26"	20°11'30"
2+10.64	10.64'	8.58'	1°01'45"	21°13'15"

Def'n. 6.057490 1/16/17

P.I.
 No V.C.
 Elev.
 167.30

EARTHWORK

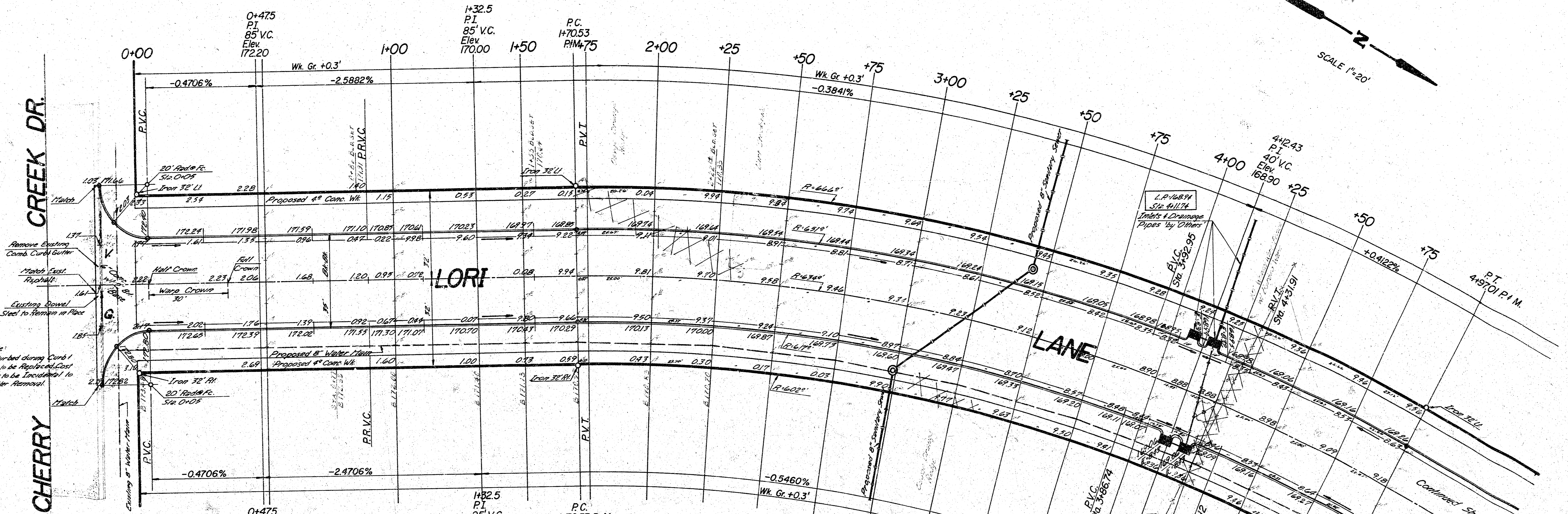
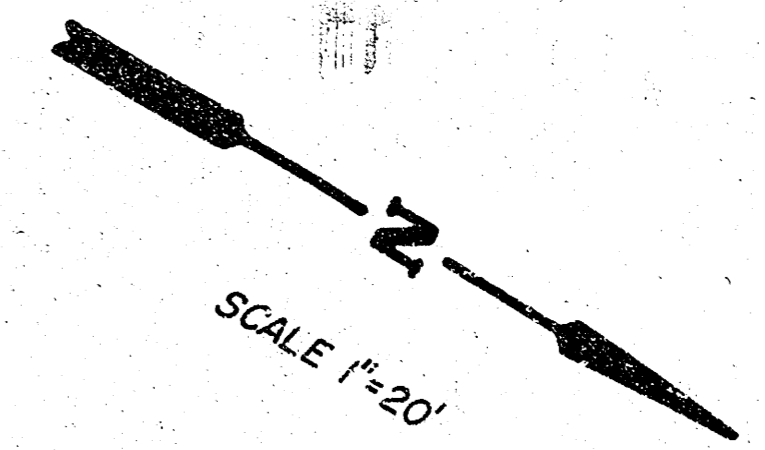
	Property	City
Excavation	4.0 C.Y.	-
+10%	0.4	-
Total	4.4 C.Y.	-
Compacted Fill	624.0 C.Y.	-
+10%	62.4	-
Total	686.4 C.Y.	-
Manipulation	1364.9 S.Y.	-

White Oak Circle
 E. L. White Oak Dr. to & Inc. Cul-de-Sac

B-M

FILMED FROM THE BEST COPY AVAILABLE

B.M. 174.53 'X' Top So. Curb on Cherry Creek Dr., 5.5' West of W.L. of Flynn So.
 @ is @ Lori Lane



EARTHWORK

	Property	City
Excavation +10%	1903.5 C.Y.	245 C.Y.
Total	2093.9 C.Y.	27.0 C.Y.
Compacted Fill +10%	595 C.Y.	-
Total	65.5 C.Y.	-
Manipulation	36299 S.Y.	100.6 S.Y.

Δ = 29°30'19" R. = 63400' T. = 144.74' L. = 526.40' L.C. = 322.08'

CURVE DATA BASED ON @ RAD. Δ = 14°55'28"

STA.	ARC.	CHORD LENGTH	DEFLECTION	TOTAL DEFLECTION
0+00	-	-	-	0°00'00"
1+75	987'	965'	429"	0°12'07"
2+00	2500'	2478'	2401"	1°07'41"
2+25	-	-	-	1°07'41"
2+50	-	-	-	1°07'41"
2+75	-	-	-	1°07'41"
3+00	-	-	-	1°07'41"
3+25	-	-	-	1°07'41"
3+50	-	-	-	1°07'41"
3+75	-	-	-	1°07'41"
4+00	2500'	2478'	2401"	1°07'41"
4+25	1251'	1231'	1201"	0°34'04"
4+50	2500'	2478'	2401"	1°07'41"
4+75	2500'	2478'	2401"	1°07'41"
4+97.01	2201'	2288'	2141"	0°59'40"

Dist. = 2,711.97' Sta. 111

CAUTION
 UNDERGROUND UTILITIES
 Please check with K G & E or Southwestern Bell Telephone Co. for Location

General Notes
 Permitting Contractor to Coordinate Construction with Drainage Contractor
 Trees to be Removed are Marked with X
 Except that any Tree Marked for Removal which in the Opinion of the Engineer can be Saved Shall be Saved.

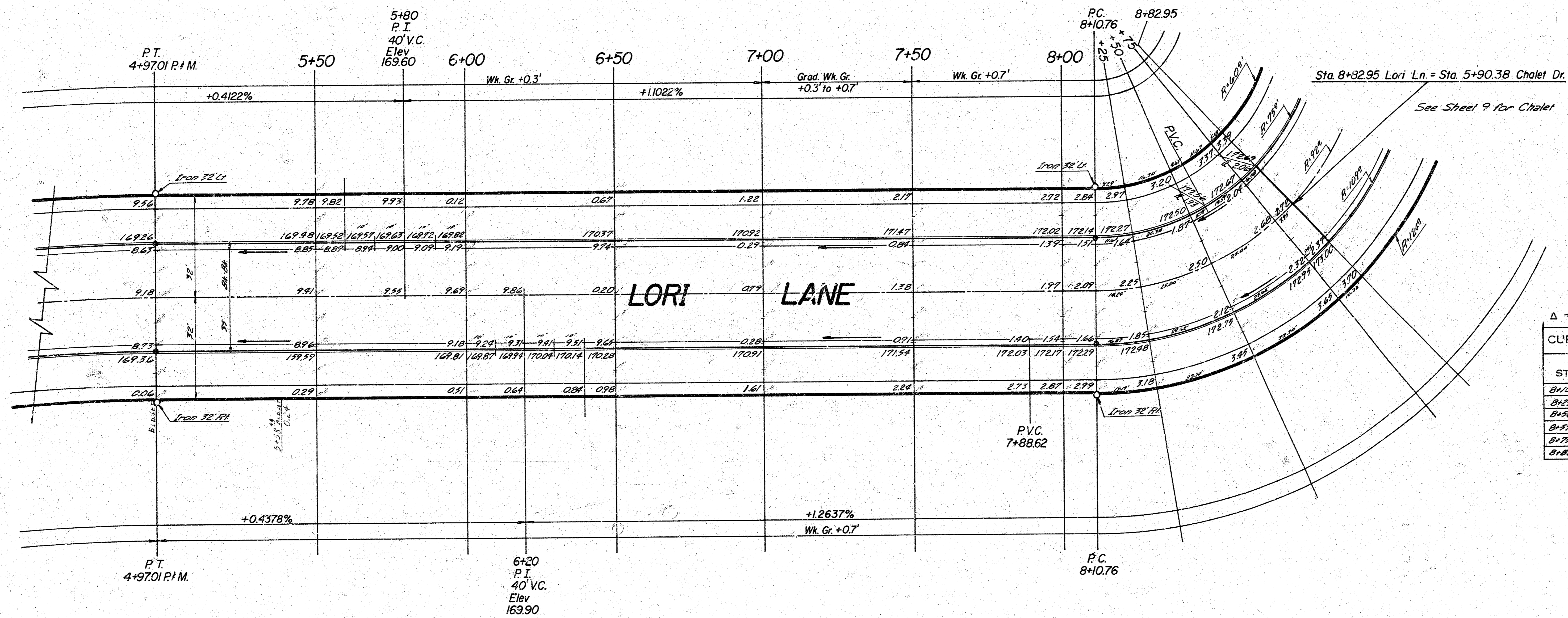
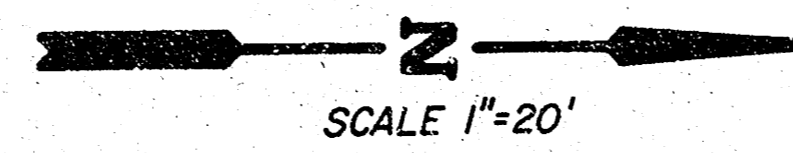
Lori Lane

(7/10)

B-M

FILMED FROM THE BEST AVAILABLE COPY

B.M. 174.53 'X' Top So. Curb on Cherry Creek Dr., 5.5' West of W. L. Flynn So.
 E is ϕ Lori Lane



$\Delta = 44^\circ 12' 28''$ $e = 2.00'$ $T = 78.07'$ $L = 72.17'$ $LC = 70.33'$

CURVE DATA BASED ON $R = 2228.4'$

STA.	ARC	CHORD LENGTH		TOTAL DEFLECTION	
		CHORD	PERCENT	DEFLECTION	DEFLECTION
8+10.76	-	-	-	0° 00' 00"	0° 00' 00"
8+25	14.24'	10.36'	45.8%	4° 26' 03"	4° 26' 03"
8+50	28.48'	18.75'	65.9%	8° 52' 06"	8° 52' 06"
8+75	42.72'	27.03'	63.3%	13° 17' 45"	13° 17' 45"
8+10.76	17.90'	13.02'	72.7%	22° 28' 44"	22° 28' 44"

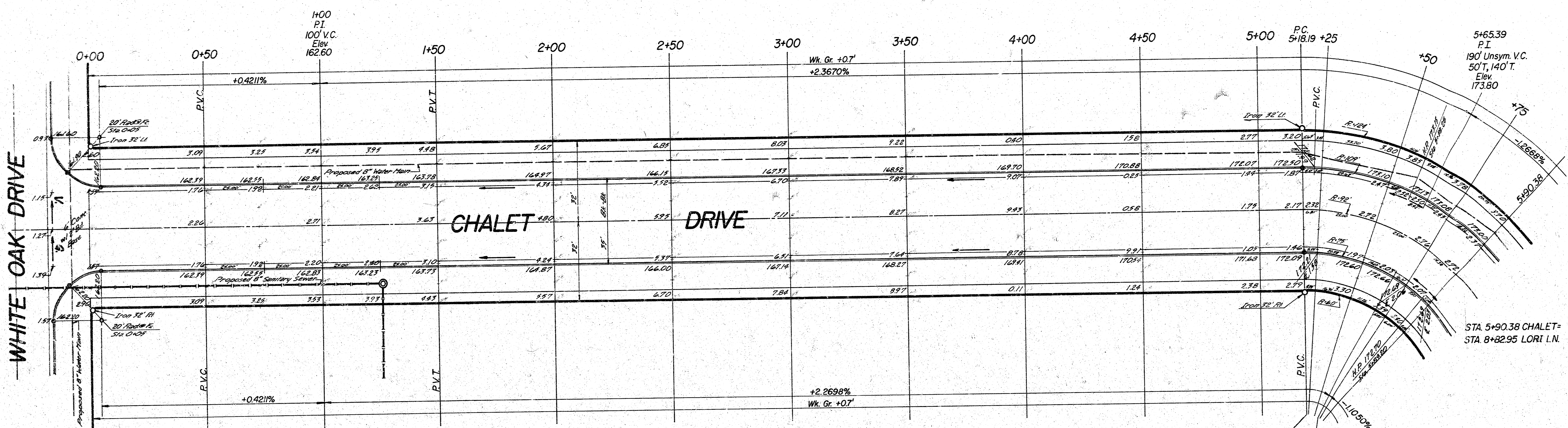
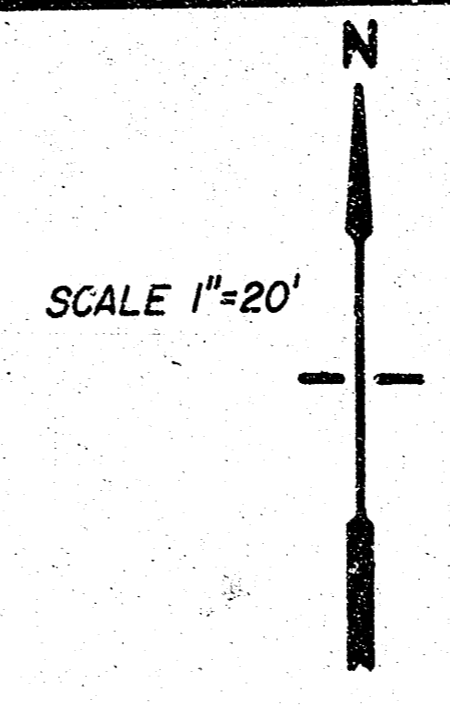
Lori Lane

8/10

B-M

FILMED FROM THE BEST

B.M. 15916 R.R. Spike No. Face Power Pole 7' E. of W.L. White Oak Dr. & 6' So. of S.L. Cedar Lakes Village 4th Addn. or 126' So. of S.L. Mt. Vernon East
 ☉ is ☉ Chalet Dr.



100 P.I.
 100' V.C.
 Elev. 162.60

Note:
 Excavation from Chalet Dr. is to Remain on Job Site & is to be Used on White Oak Dr. & White Oak Circle before Borrow Pit is Used.

$\Delta = 44^{\circ}57'58''$ R. = 92.0' T. = 78.07' L. = 72.19' L.C. = 70.35'

CURVE DATA BASED ON $\frac{L}{R}$ RAD. $\Delta = 22^{\circ}28'41''$

STA.	ARC.	CHORD LENGTH		DEFLECTION	
		\angle OFF CB.	\angle DEF CB.		
5+18.19	-	-	-	0°00'00"	0°00'00"
5+25	6.81'	8.66'	4.96'	2°07'14"	2°07'14"
5+30	25.00'	31.70'	18.15'	7°47'05"	7°47'17"
5+58.28	8.28'	10.53'	6.03'	2°34'42"	2°34'59"
5+75	16.75'	21.23'	12.16'	5°12'21"	5°12'20"
5+90.38	9.20'	11.70'	6.70'	3°41'53"	3°41'53"
5+90.38	6.18'	7.86'	4.90'	1°55'28"	2°28'41"

Def'n: 18.68340676 Min 172

EARTHWORK

Property	City
Excavation	2248.3 C.Y.
+10%	224.8
Total	2473.1 C.Y.
Compacted Fill	0.0 C.Y.
Manipulation	2427.1 S.Y.

100 P.I.
 100' V.C.
 Elev. 162.60

CHALET DRIVE

B-M

FILMED FROM THE BEST AVAILABLE COPY.....

