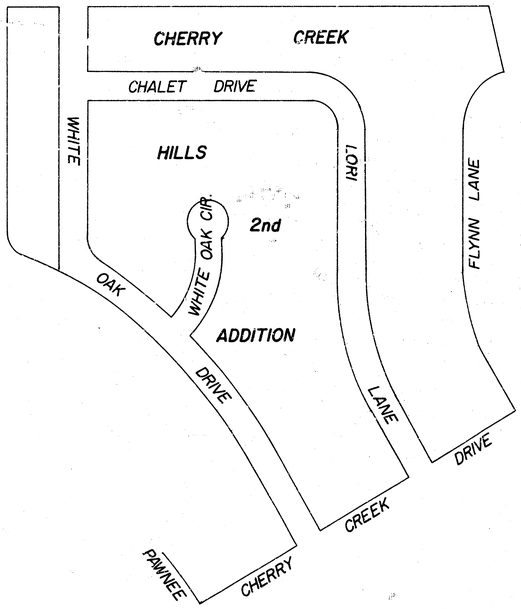
STREETS in CHERRY CREEK HILLS 2nd ADDITION

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, 76
Project No. DAKS575079

GENERAL NOTES

1. PAVING CONTRACTOR TO COORDINATE CONSTRUCTION WITH DRAINAGE CONTRACTOR.
2. TREES TO BE REMOVED ARE MARKED THUS ✕ 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 THAT 44 DRIVES MAY BE CONSTRUCTED ON THIS PROJECT. (20 max)
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

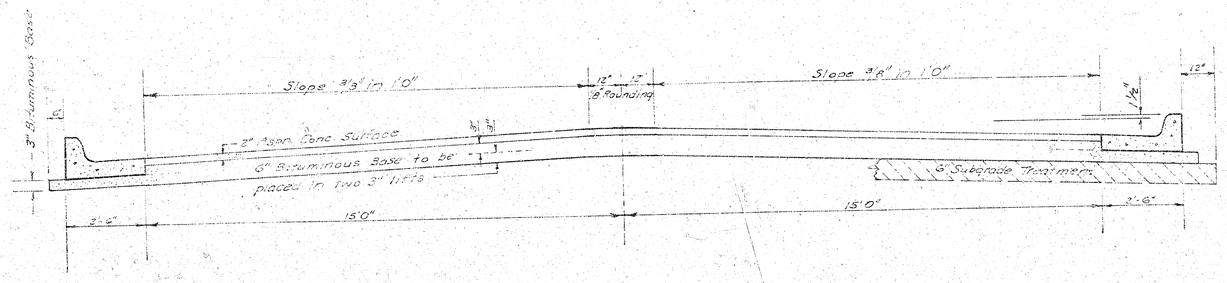
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CHERRY CREEK HILLS 2ND ADDITION

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

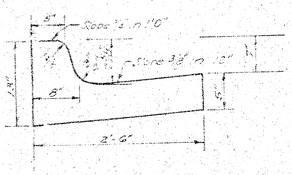
LORI LANE & CHALET DRIVE: N.L. Cherry Creek Dr.-E.L. White Oak Dr.



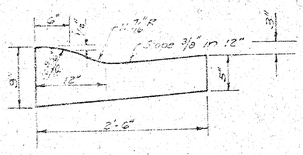
TYPICAL SECTION

35' ASPHALTIC CONCRETE PAVEMENT WITH BITUMINOUS BASE

CONBINED CURB & GUTTER



ROLL TYPE CURB & GUTTER

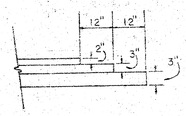


A TACK COAT OF EMULSIFIED ASPHALT (SS-1H) SHALL BE APPLIED AT AN APPROXIMATE RATE 0.05 GALLONS PER SQ YD BETWEEN LIFTS OF ASPHALTIC MATERIALS WHEN ORDERED BY THE ENGINEER. TACK COAT WILL NOT BE PAID FOR DIRECTLY AND SHALL BE CONSIDERED AS SUBSIDIARY TO PRICE BID FOR ASPHALTIC PAVEMENT.

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.

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.

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. DANS 3790-79

3/10

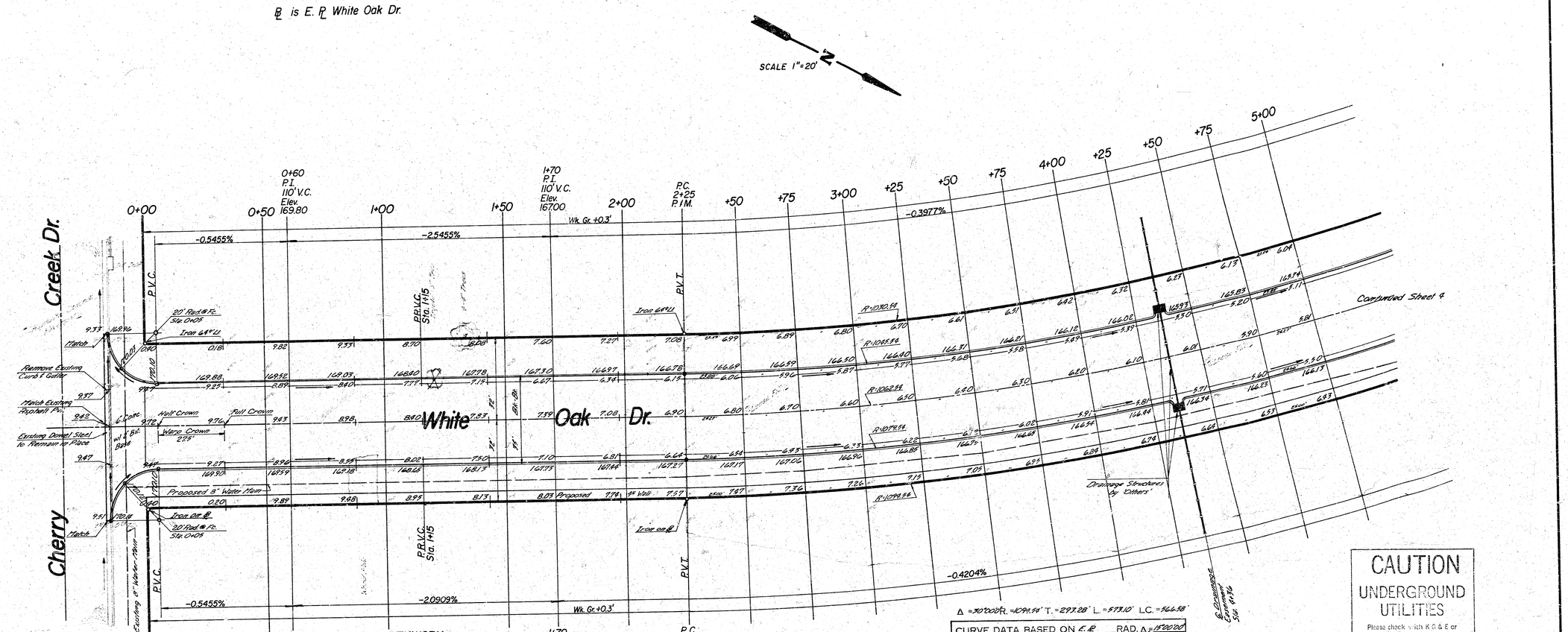
B-M

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

℄ is E. ℄ White Oak Dr.

SCALE 1"=20'



Survey
Plan
Est.
Checked

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

0+60 P.I. 110' V.C. Elev. 169.80

EARTHWORK

	Prop.	City
Excav.	2132.7	706.4
+10%	213.3	70.6
Total	2346.0 C.Y.	777.0 C.Y.
Comp. Fill	970.0	623.3
+10%	97.0	62.3
Total	1067.0 C.Y.	685.6 C.Y.

Manipulation 3810.3 S.Y. 2196.0 S.Y.

1+70 P.I. 110' V.C. Elev. 167.50

P.C. 2+25 P.I.M.

Paving Contractor to Coordinate Construction with Drainage Contractor

SUB-GRADE

TYPE OF SUB-GRADE TREATMENT SHALL BE DETERMINED BY THE FIELD ENGINEER. SUB-GRADE TREATMENT MAY CONSIST OF LIME-TREATMENT, 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 = 30°00'00" R. = 1079.54' T. = 289.28' L. = 564.98' LC. = 558.48'

CURVE DATA BASED ON E. ℄ RAD. Δ/2 15°00'00"

STA.	ARC.	CHORD LENGTH 8' OFF ℄ CB.	CHORD LENGTH 8' OFF ℄ CB.	DEFLECTION	TOTAL DEFLECTION
2+25	-	-	-	-	0°00'00"
2+50	25.00	23.70	24.84	0°39'16"	0°39'16"
2+75	"	"	"	0°39'18"	1°18'34"
3+00	"	"	"	0°39'16"	1°57'50"
3+25	"	"	"	0°39'18"	2°37'08"
3+50	"	"	"	0°39'16"	3°16'24"
3+75	"	"	"	0°39'16"	3°55'40"
4+00	"	"	"	0°39'18"	4°34'58"
4+25	25.00	23.70	24.84	0°39'16"	5°14'14"
4+36	11.00	10.93	10.93	0°17'16"	5°31'30"
4+50	25.00	23.70	24.84	0°21'59"	5°53'29"
4+75	25.00	23.70	24.84	0°39'16"	6°32'36"
5+00	25.00	23.70	24.84	0°39'16"	7°11'52"

Curve Data Table Continued on Following Sheet

Def'l. = 1.57040711 Min.m

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

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

3/10

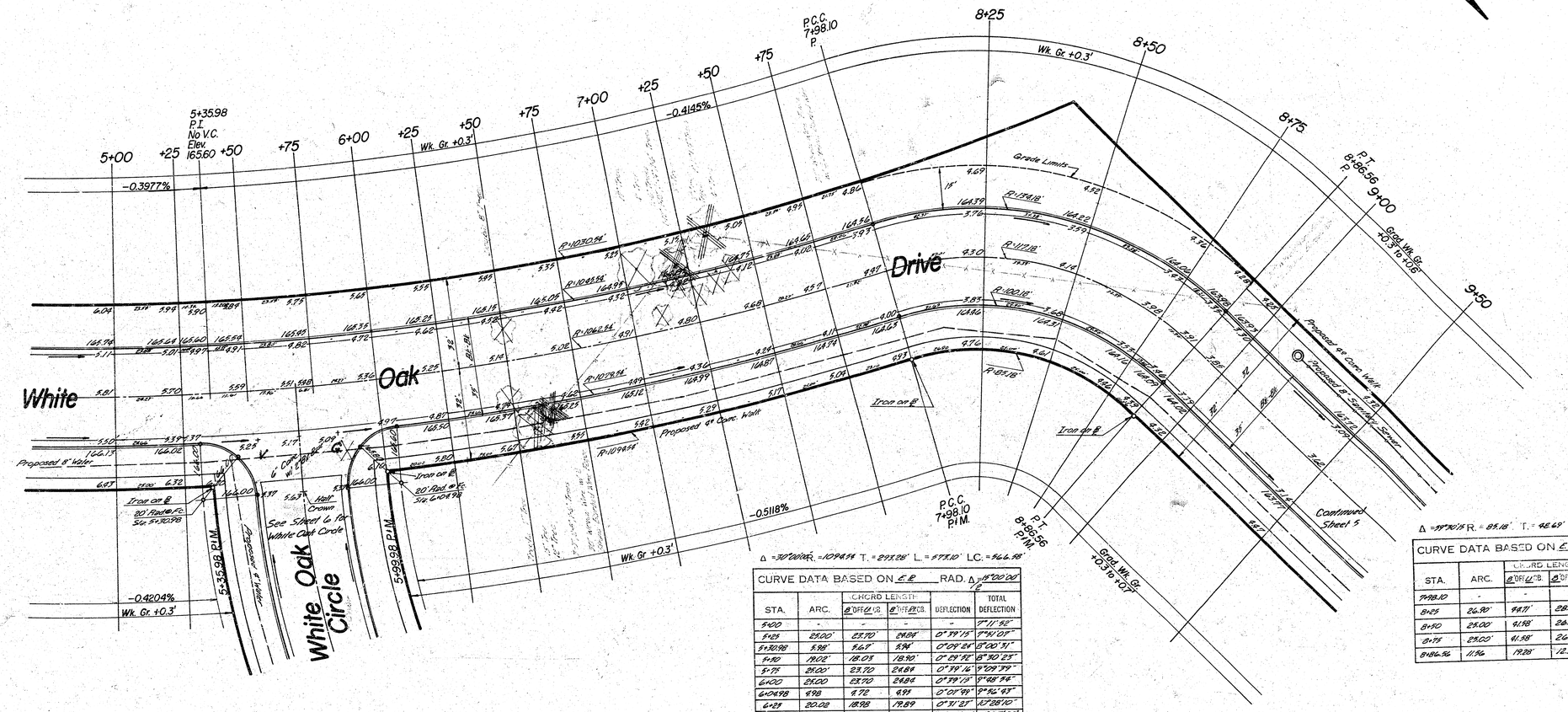
B-M

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

℄ is E. ℄ White Oak Dr.

SCALE 1"=20'



Δ = 30°00'00" R. = 109.84' T. = 29.28' L. = 57.71' LC. = 56.98'

CURVE DATA BASED ON ℄ RAD. Δ/2 = 15°00.00'

STA.	ARC.	CHORD LENGTH @ OFF ℄ P.C.	CHORD LENGTH @ OFF ℄ P.C.C.	DEFLECTION	TOTAL DEFLECTION
5+00	-	-	-	-	7°11'.92"
5+25	25.00'	23.70'	24.84'	0°39'15"	7°51'.07"
5+30.98	5.98'	5.61'	5.96'	0°09'24"	8°00'.31"
5+50	19.02'	18.03'	18.90'	0°29'55"	8°30'.25"
5+75	25.00'	23.70'	24.84'	0°39'14"	9°09'.39"
6+00	25.00'	23.70'	24.84'	0°39'13"	9°48'.52"
6+04.98	4.98	4.72	4.95	0°07'49"	9°56'.93"
6+25	20.02'	18.98'	19.89'	0°31'27"	10°28'.10"
6+50	25.00'	23.70'	24.84'	0°39'15"	11°07'.25"
6+75	"	"	"	0°39'14"	11°46'.41"
7+00	"	"	"	0°39'12"	12°25'.57"
7+25	"	"	"	0°39'15"	13°04'.72"
7+50	"	"	"	0°39'14"	13°43'.88"
7+75	25.00	23.70	24.84	0°39'13"	14°23'.03"
7+98.10	23.10	21.90	22.95	0°36'17"	15°00'.00"

Deflt. 15°04'07" from P.I.

Δ = 39°30'15" R. = 85.18' T. = 30.69' L. = 58.74' LC. = 57.59'

CURVE DATA BASED ON ℄ RAD. Δ/2 = 19°45.08'

STA.	ARC.	CHORD LENGTH @ OFF ℄ P.C.	CHORD LENGTH @ OFF ℄ P.C.C.	DEFLECTION	TOTAL DEFLECTION
7+98.10	-	-	-	-	0°00'.00"
8+25	26.90'	24.11'	28.99'	9°02'.40"	9°02'.50"
8+50	25.00'	41.98'	26.96'	8°29'.30"	17°31'.80"
8+75	25.00'	41.58'	26.96'	8°29'.30"	25°51'.10"
8+86.56	11.56	19.28'	12.50'	3°53'.18"	29°45'.08"

Deflt. 20.17493.07 from P.I.

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

4/10

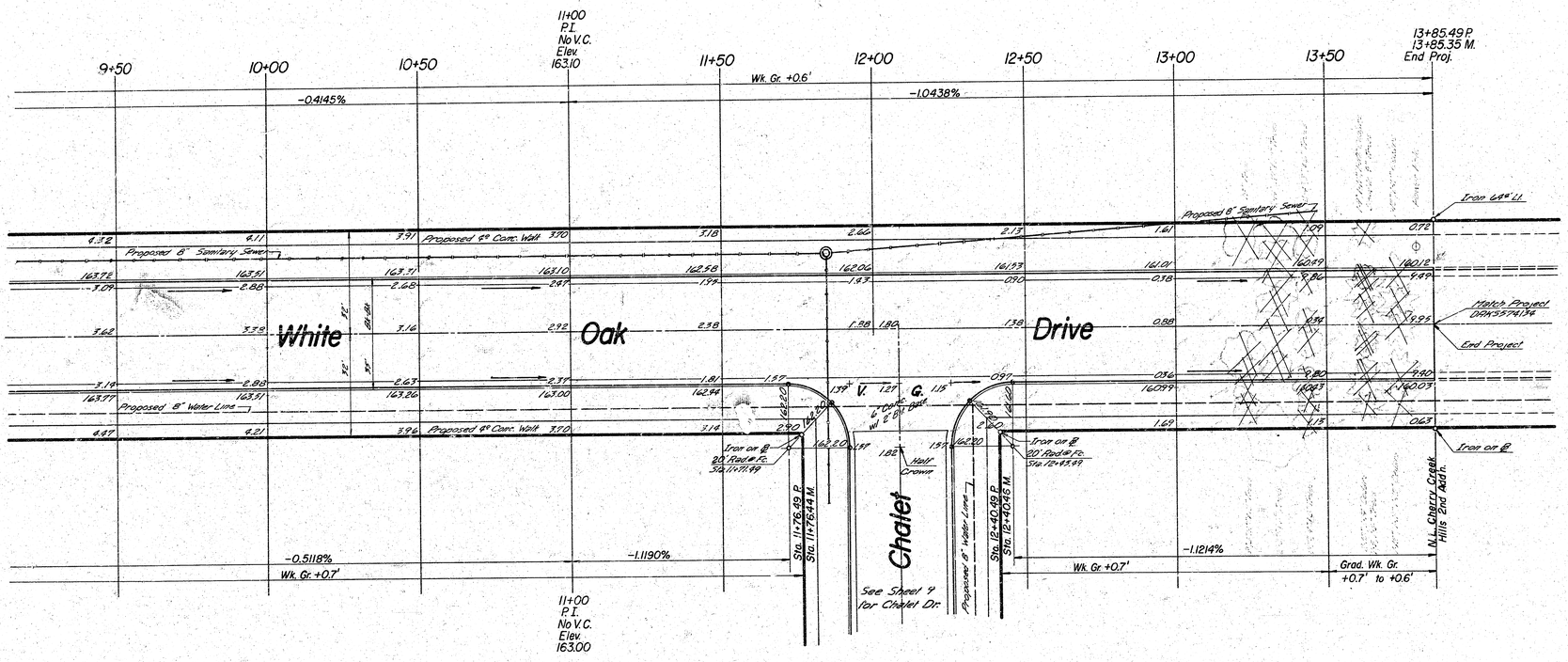
B-M

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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. ℄ White Oak Dr.

SCALE 1"=20'



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

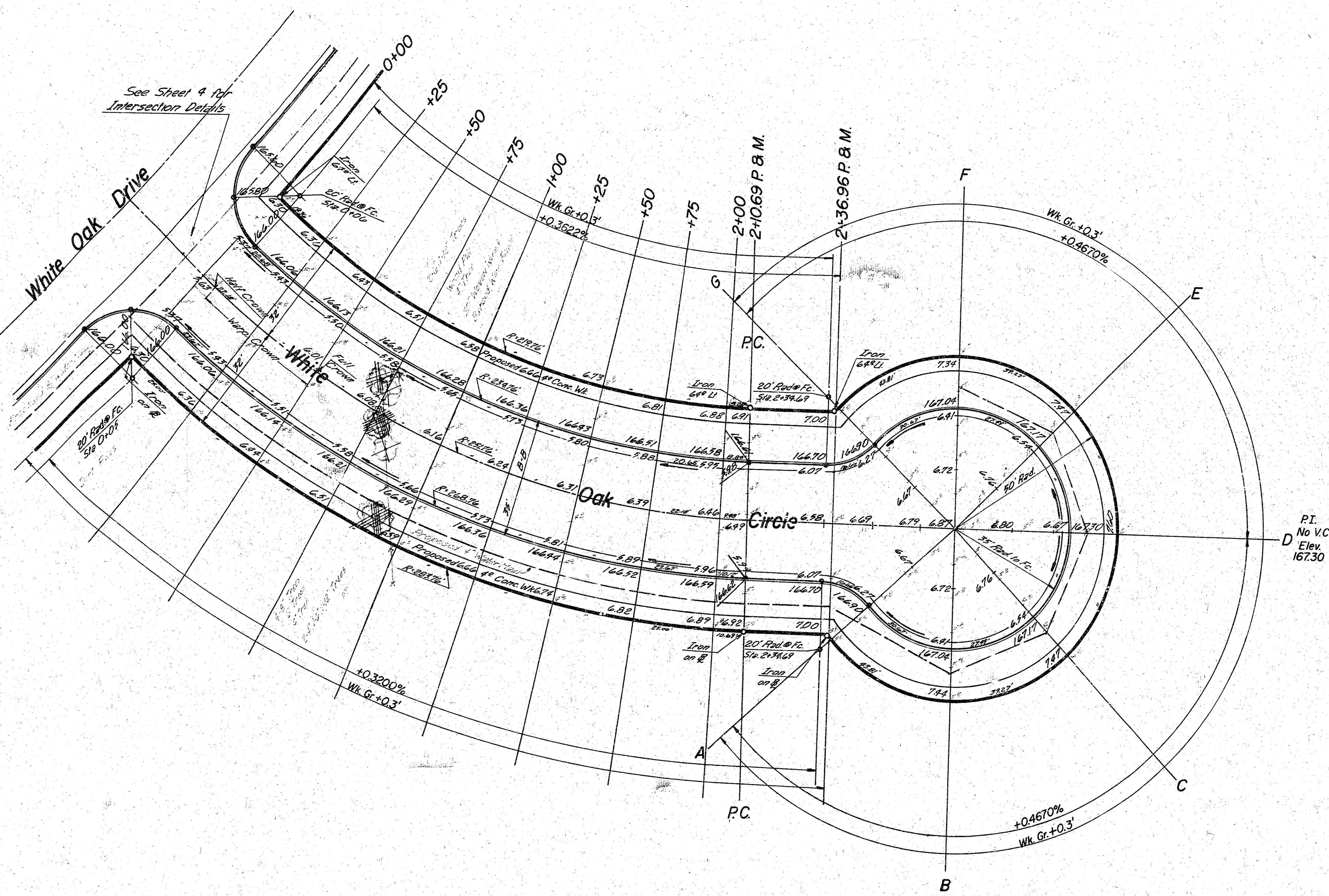
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B-M

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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

℄ is S.E. ℙ



Δ = 42°32'30" R. = 283.76' T. = 110.47' L. = 210.69' LC. = 205.88'

CURVE DATA BASED ON S.E. ℙ RAD. Δ/2 = 21°16'15"

STA.	ARC.	CHORD LENGTH 8' OFF Lt. CB.	8' OFF Rt. CB.	DEFLECTION	TOTAL DEFLECTION
0+00	-	-	-	-	0°00'00"
0+25	25.00'	19.97'	24.38'	2°31'26"	2°31'26"
0+50	"	"	"	2°31'26"	5°02'52"
0+75	"	"	"	2°31'27"	7°34'19"
1+00	"	"	"	2°31'26"	10°05'45"
1+25	"	"	"	2°31'26"	12°37'11"
1+50	"	"	"	2°31'26"	15°08'37"
1+75	"	"	"	2°31'27"	17°40'04"
2+00	25.00'	19.97'	24.38'	2°31'26"	20°11'30"
2+10.69	10.69'	8.54'	10.43	1°04'45"	21°16'15"

Def'l. = 6.057490 Min/Ft

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.	–

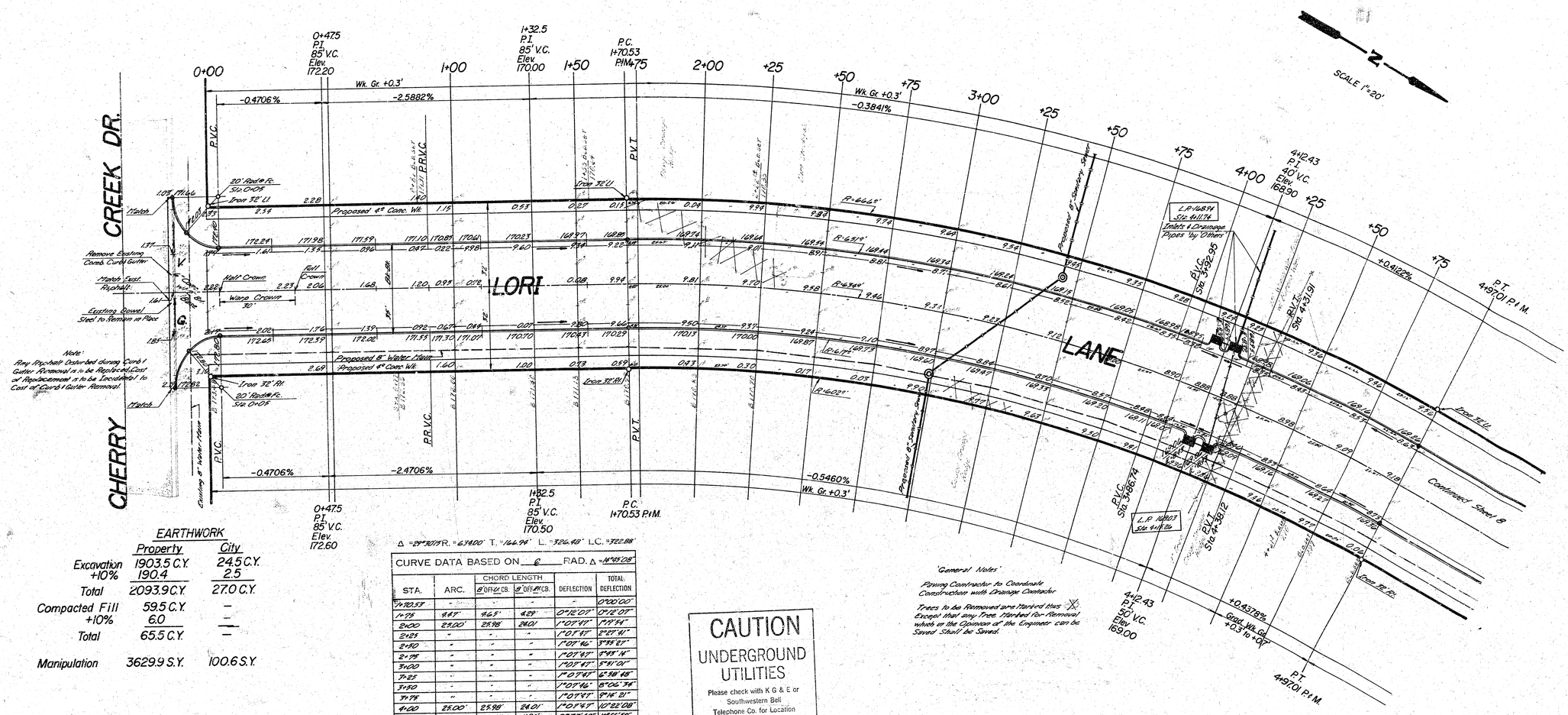
White Oak Circle
E.L. White Oak Dr. to & Inc. Cul-de-Sac

6/10

B-M

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



'General Notes'

Paving Contractor to Coordinate Construction with Drainage Contractor

Trees to be Removed are Marked thus ✕ Except that any Tree Marked for Removal which in the Opinion of the Engineer can be Saved Shall be Saved.

EARTHWORK

	Property	City
Excavation	1903.5 C.Y.	24.5 C.Y.
+10%	190.4	2.5
Total	2093.9 C.Y.	27.0 C.Y.
Compacted Fill	59.5 C.Y.	—
+10%	6.0	—
Total	65.5 C.Y.	—
Manipulation	3629.9 S.Y.	100.6 S.Y.

Δ = 29°30'19" R. = 634.00' T. = 166.96' L. = 326.48' L.C. = 322.88'

CURVE DATA BASED ON ℄ RAD. Δ = 14°49'08"

STA.	ARC.	CHORD LENGTH ℄ OFF ℄ CB.	CHORD LENGTH ℄ OFF ℄ CB.	DEFLECTION	TOTAL DEFLECTION
1+70.53	-	-	-	-	0°00'00"
1+75	4.47'	4.45'	4.89'	0°12'07"	0°12'07"
2+00	25.00'	25.98'	24.01'	1°07'47"	1°19'54"
2+25	"	"	"	1°07'47"	2°27'41"
2+50	"	"	"	1°07'46"	3°35'27"
2+75	"	"	"	1°07'47"	4°43'14"
3+00	"	"	"	1°07'47"	5°51'01"
3+25	"	"	"	1°07'47"	6°58'48"
3+50	"	"	"	1°07'46"	8°06'34"
3+75	"	"	"	1°07'47"	9°14'21"
4+00	25.00'	25.98'	24.01'	1°07'47"	10°22'08"
4+12.43	12.43'	12.92'	11.98'	0°33'45"	10°55'53"
4+25	12.57'	13.07'	12.07'	0°34'08"	11°29'54"
4+50	25.00'	25.98'	24.01'	1°07'48"	12°37'41"
4+75	25.00	25.98'	24.01'	1°07'47"	13°45'28"
4+97.01	22.01'	22.88'	21.14'	0°59'40"	14°45'08"

Def'l. = 2.711'37 Min/Ft

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

Lori Lane

(7/10

B-M

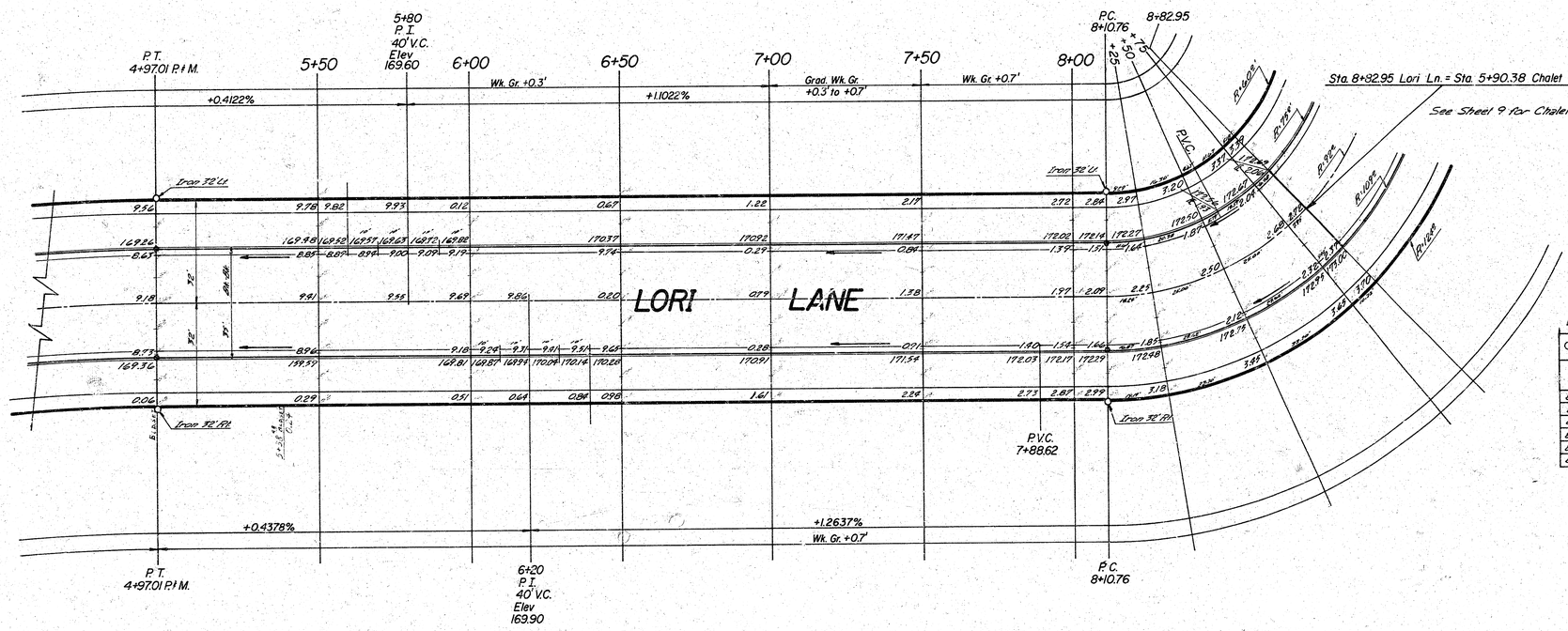
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B. M. 174.53 'X' Top So. Curb on Cherry Creek Dr., 5.5' West of W. L. Flynn So.

℄ is ℄ Lori Lane

N

SCALE 1"=20'



Δ = 44°17'28" R. = 92.00' T. = 38.07' L. = 72.19' L.C. = 70.33

CURVE DATA BASED ON ℄ RAD. Δ = 22°28'41"

STA.	ARC.	CHORD LENGTH 8' Off ℄ Ch	CHORD LENGTH 8' Off ℄ Rd	DEFLECTION	TOTAL DEFLECTION
8+10.76	-	-	-	-	0°00'00"
8+25	14.24'	10.36'	18.09'	4°26'03"	4°26'03"
8+50	25.00'	18.19'	31.70'	7°47'03"	12°13'06"
8+77.10	27.10'	5.17'	20.23'	2°12'39"	14°25'45"
8+79	1.90'	13.03'	22.73'	3°34'24"	18°00'09"
8+82.95	3.95'	3.79'	10.11'	2°28'32"	20°28'41"

Def'l = 18.683406736 Min/ft

Lori Lane

2/10

B-M

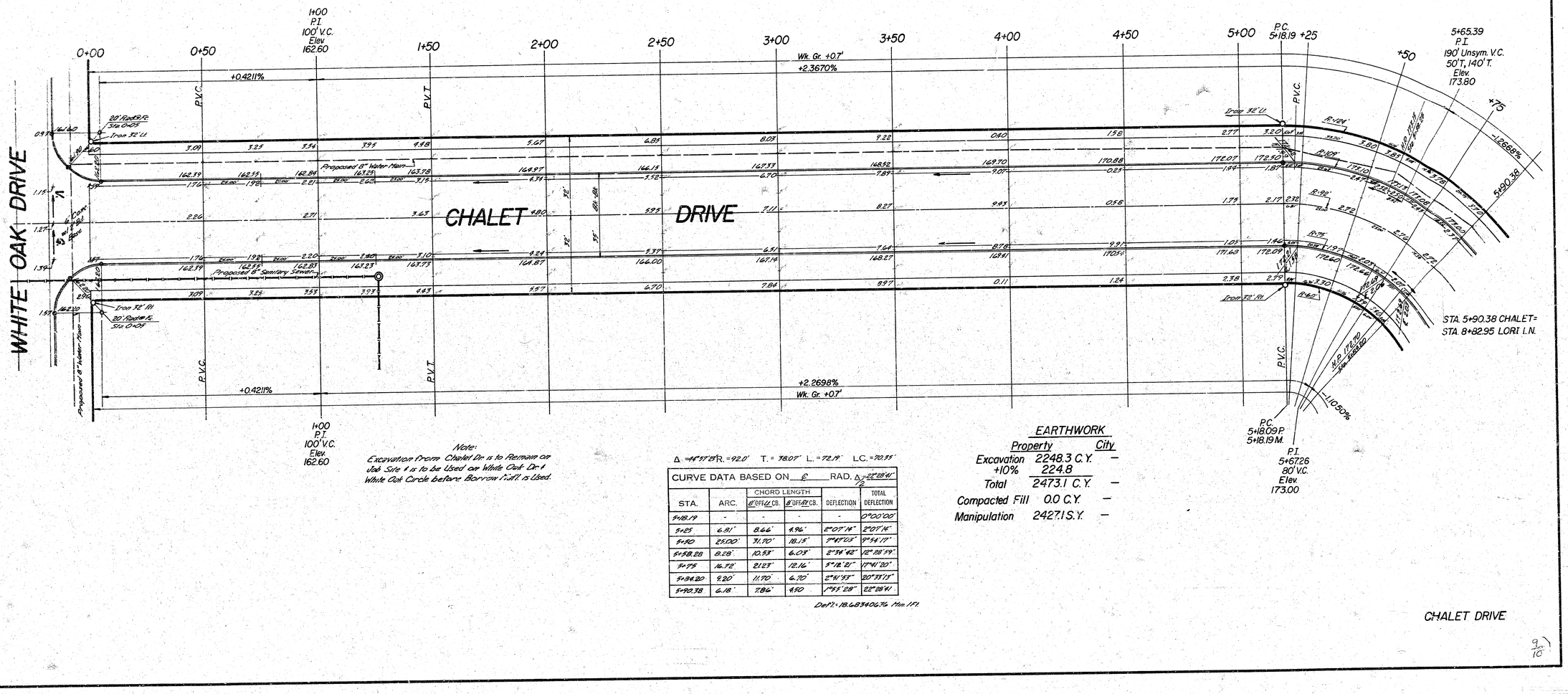
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B.M. 159.16 R.R. Spike No. Face Power Pole 7' E. of W.L. White Oak Dr. & 6' So. of S.L. Cedar Lakes Village 4th Addn. or 126' So. of S.L. Mt. Vernon East

℄ is ℄ Chalet Dr.

N

SCALE 1"=20'



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

Δ = 44°57'E R. = 92.0' T. = 38.07' L. = 72.19' LC. = 70.35'

CURVE DATA BASED ON ℄ RAD. Δ/2 = 22°28'41"

STA.	ARC.	CHORD LENGTH ℄ OFF ℄ CB.	CHORD LENGTH ℄ OFF ℄ CB.	DEFLECTION	TOTAL DEFLECTION
5+18.19	-	-	-	-	0°00'00"
5+25	6.81'	8.66'	4.96'	2°07'14"	2°07'14"
5+90	25.00'	31.70'	18.15'	7°44'03"	9°51'17"
5+98.28	8.28'	10.53'	6.03'	2°34'42"	12°26'59"
5+75	16.72'	21.23'	12.14'	5°18'21"	17°41'20"
5+84.20	9.20'	11.70'	6.70'	2°51'53"	20°33'13"
5+90.38	6.18'	7.86'	4.50	1°55'28"	22°28'41"

Def'l = 18.683406 Min 1Ft.

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.	—

CHALET DRIVE

9/10

B-M

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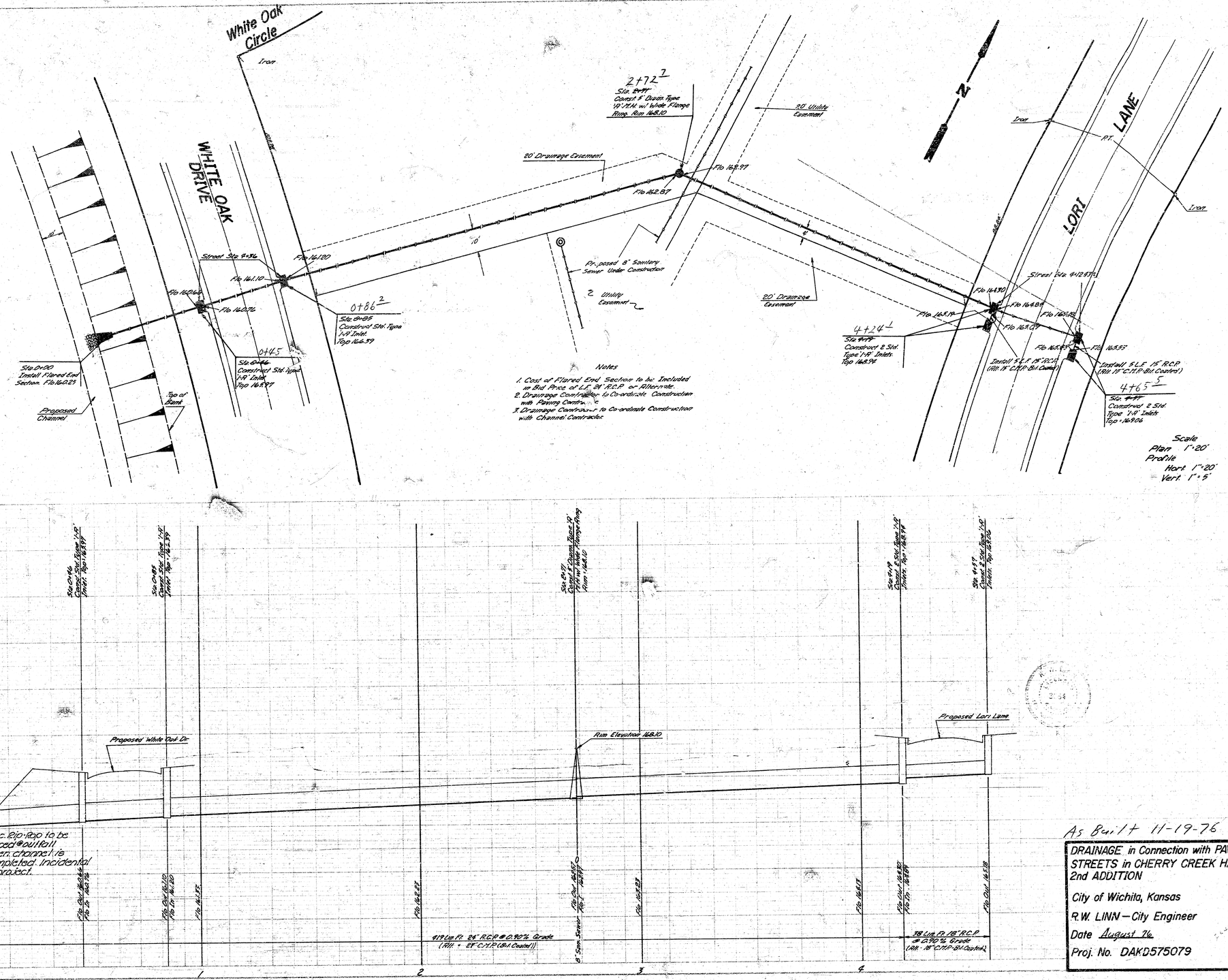


PLATE 1 PLAN, PROFILE & P.I.R. STANDARD

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