

WILLOWBROOK St.-E.L.: Armour - S.L.: Whittier
WHITTIER St.-N.L. Willowbrook-W.L.: Armour

PROJECT NO. 472-76-245-80858-000-000-001

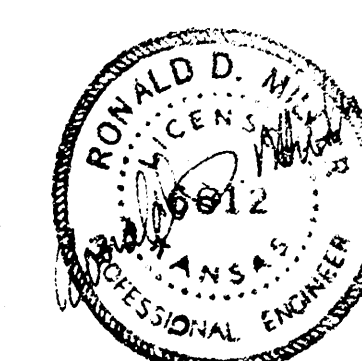
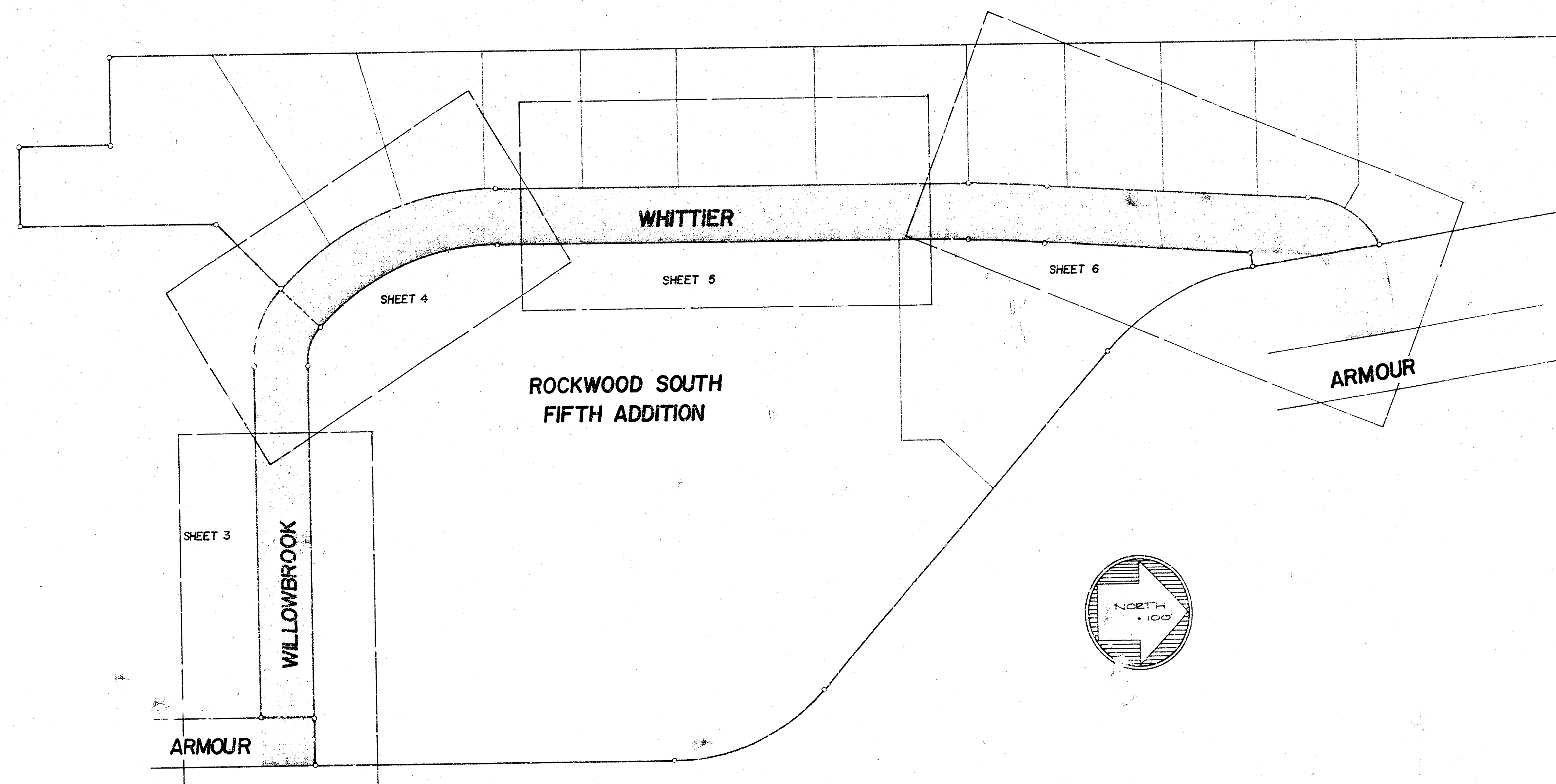
CITY OF WICHITA, KANSAS

DEPT. OF PUBLIC WORKS-ENG. DIV.

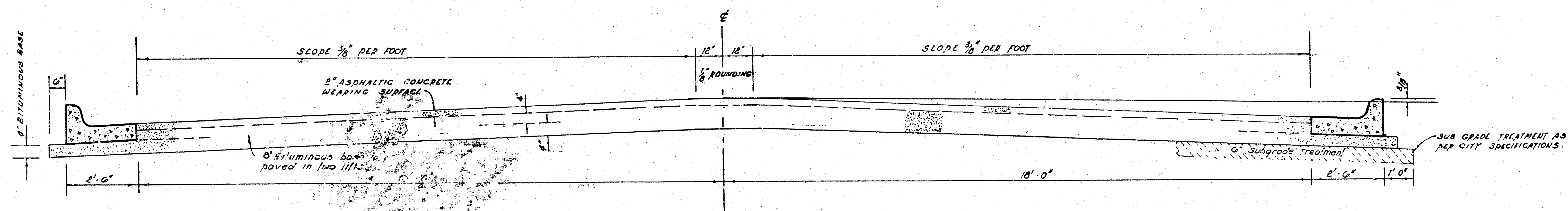
DEAN SELLERS, ACTING CITY ENGINEER

BY LAW/KINGDON, P.A., WICHITA, KANSAS

DATE _____



WILLOWBROOK ST. E.L. ARMOUR TO S.L. WHITTIER
WHITTIER ST N.L. WILLOWBROOK TO W.L. ARMOUR
ROCKWOOD SOUTH 5TH ADDITION
PROJECT NO. 472-76-245-80858-000-000-001



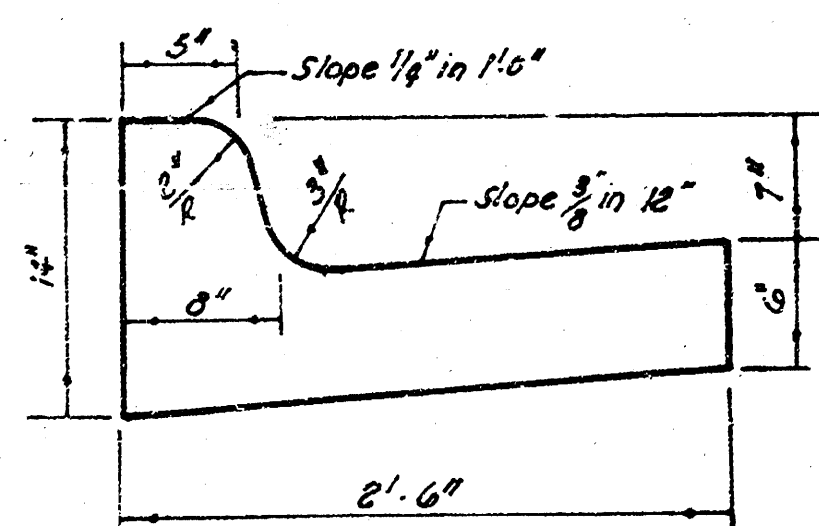
TYPICAL SECTION

The A.C. pavement between the curb & gutter shall be paid as 39 yds 10' A.C. pavement (8' Bituminous Base).
The Bituminous Base under the curb & gutter shall be paid as 39 yds 9' Bituminous Base.

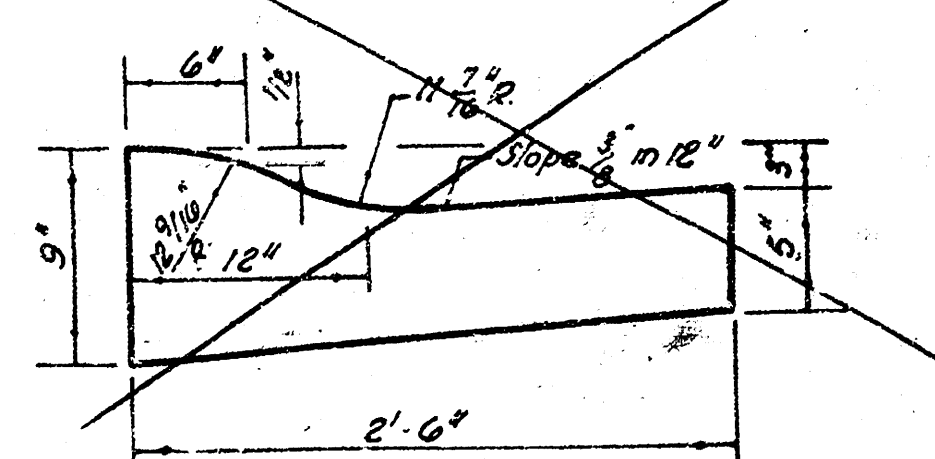
41' ASPHALTIC CONCRETE PAVEMENT WITH BITUMINOUS BASE

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 SUCH THAT A JOINT WILL BE CONSTRUCTED ON THE PAVEMENT CENTERLINE IN THE TOP LIFT.

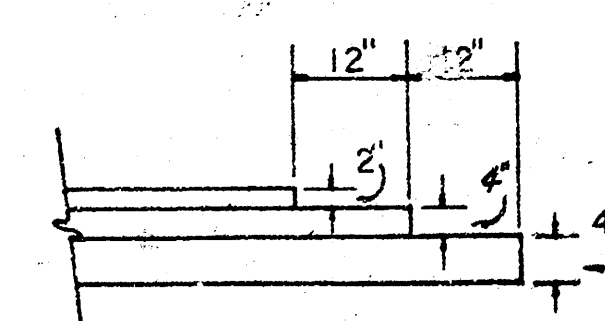
COMBINED CURB & GUTTER



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.

DEAN SELLERS ACTING CITY ENGINEER

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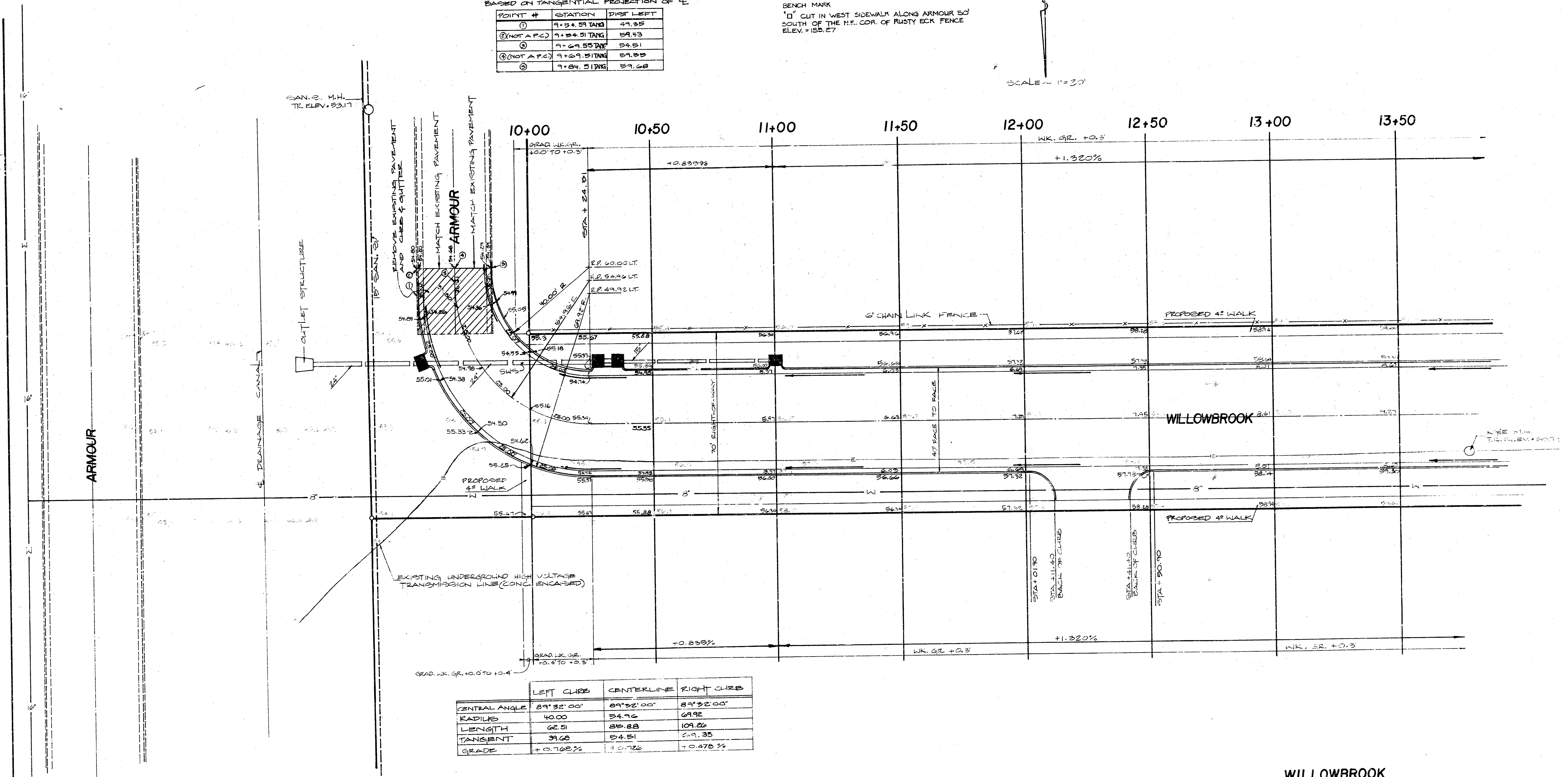
PROJ. NO. 472-76-245-80858-000-000-001

POINT OF CURVATURE LOCATIONS
BASED ON TANGENTIAL PROJECTION OF E

POINT #	STATION	DIST LEFT
①	9+34.51 TANG	47.35
② (NOT A P.C.)	9+34.51 TANG	54.43
③	9+69.55 TANG	54.51
④ (NOT A P.C.)	9+69.55 TANG	54.55
⑤	9+84.51 TANG	54.68

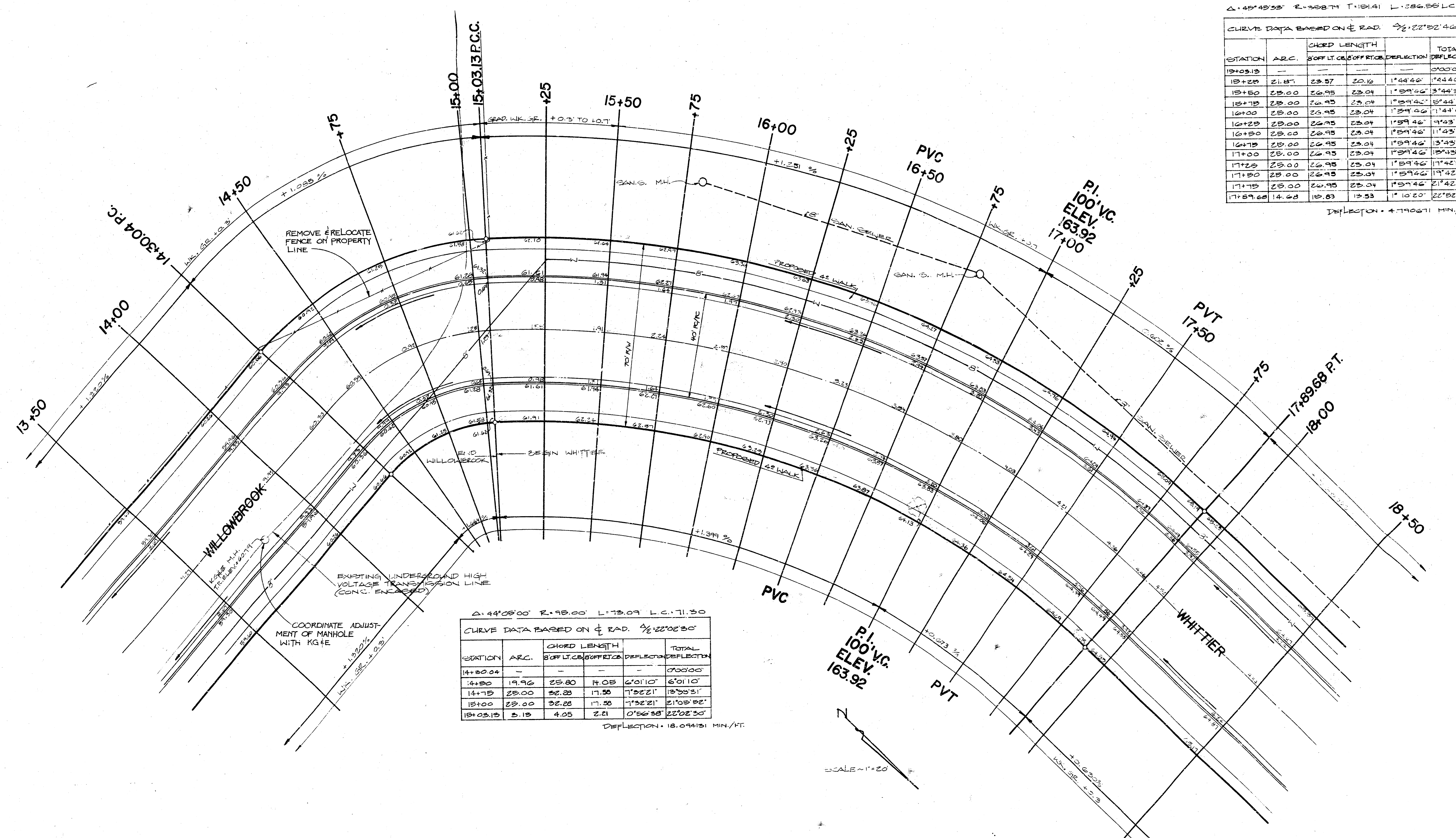
BENCH MARK
"D" CUT IN WEST SIDEWALK ALONG ARMOUR 50'
SOUTH OF THE N.E. COR. OF RUSTY BECK FENCE
ELEV. 1155.27

SCALE = 1" = 30'



	LEFT CURB	CENTERLINE	RIGHT CURB
CENTRAL ANGLE	89°32'00"	89°32'00"	89°32'00"
RADIUS	4000	54.75	69.92
LENGTH	62.51	83.88	109.26
TANGENT	31.68	54.51	54.35
GRADE	+0.705%	+0.726%	+0.475%

WILLOWBROOK
PROJ. NO. 472-76-245-80858-000-000-001



Δ: 45°45'53" R: 358.74 T: 151.41 L: 286.55 L.C.: 278.79

CURVE DATA BASED ON 1/2 RAD. 76°22'02"46"

STATION	ARC	CHORD LENGTH	OFF LT. CHORD	OFF RT. CHORD	DEFLECTION	TOTAL DEFLECTION
15+03.13	—	—	—	—	—	0°00'00"
15+25	21.87	23.57	20.16	1'44"46"	1'44"46"	1'44"46"
15+50	23.00	24.95	23.04	1'59"46"	3'44"32"	3'44"32"
15+75	23.00	24.95	23.04	1'59"46"	5'44"18"	5'44"18"
16+00	23.00	24.95	23.04	1'59"46"	7'44"04"	7'44"04"
16+25	23.00	24.95	23.04	1'59"46"	9'43"50"	9'43"50"
16+50	23.00	24.95	23.04	1'59"46"	11'43"36"	11'43"36"
16+75	23.00	24.95	23.04	1'59"46"	13'43"22"	13'43"22"
17+00	23.00	24.95	23.04	1'59"46"	15'43"08"	15'43"08"
17+25	23.00	24.95	23.04	1'59"46"	17'42"54"	17'42"54"
17+50	23.00	24.95	23.04	1'59"46"	19'42'40"	19'42'40"
17+75	23.00	24.95	23.04	1'59"46"	21'42'26"	21'42'26"
18+00	14.48	16.83	15.53	1'10'00"	22'52'46"	22'52'46"

DEFLECTION = 47°06'71" MIN./FT.

Δ: 44°08'00" R: 95.00' L: 73.09' L.C.: 71.30

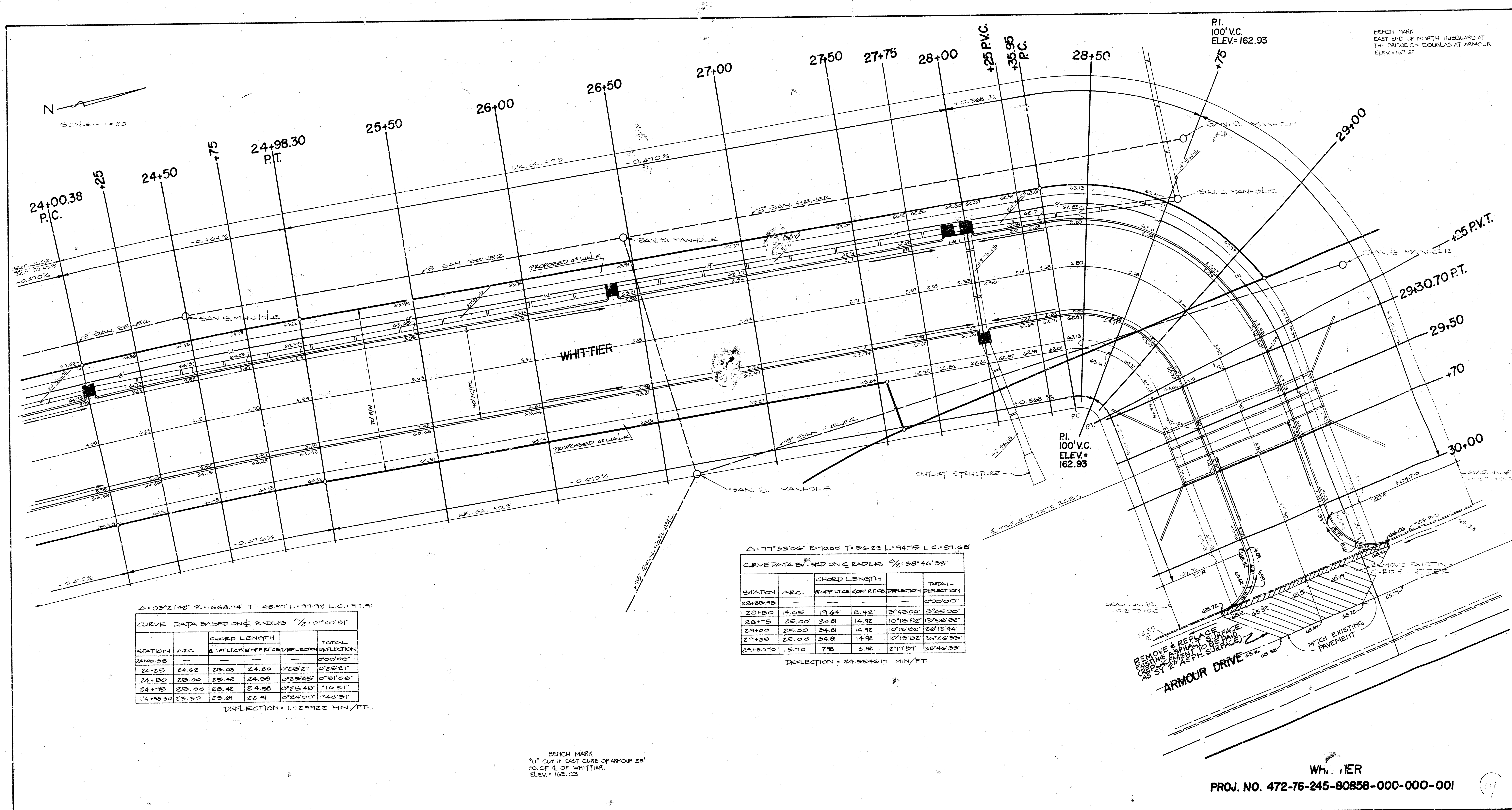
CURVE DATA BASED ON 1/2 RAD. 76°22'02"30"

STATION	ARC	CHORD LENGTH	OFF LT. CHORD	OFF RT. CHORD	DEFLECTION	TOTAL DEFLECTION
14+30.04	—	—	—	—	—	0°00'00"
14+50	19.96	25.80	14.05	6'01"10"	6'01"10"	6'01"10"
14+75	23.00	26.23	17.50	7'02'21"	13'03'31"	13'03'31"
15+00	23.00	26.23	17.50	7'02'21"	21'05'52"	21'05'52"
15+03.13	3.13	4.05	3.21	0'56'38"	22'02'30"	22'02'30"

DEFLECTION = 18.09451 MIN./FT.



WHITTIER
PROJ. NO. 472-76-245-80858-000-000-001



Δ: 03°21'42" R: 1668.74 T: 48.97 L: 97.92 L.C.: 97.71

CURVE DATA BASED ON RADIUS 1/2" 0' 1" 40' 51"

STATION	ARC	CHORD LENGTH	DEFLECTION	TOTAL DEFLECTION
24+00.38				0°00'00"
24+25	24.02	23.03	0°25'21"	0°25'21"
24+50	23.00	24.88	0°25'45"	0°51'06"
24+75	23.00	24.88	0°25'45"	1°16'51"
24+98.30	23.30	23.61	0°24'00"	1°40'51"

DEFLECTION = 1.67722 MIN/FT.

Δ: 71°33'06" R: 70.00 T: 24.23 L: 94.75 L.C.: 87.68

CURVE DATA BASED ON RADIUS 1/2" 1' 38" 46" 33"

STATION	ARC	CHORD LENGTH	DEFLECTION	TOTAL DEFLECTION
28+50.00				0°00'00"
28+50	14.08	17.64	8°42'00"	8°42'00"
28+75	23.00	24.81	14°42'	23°24'00"
29+00	23.00	24.81	14°42'	38°06'00"
29+25	23.00	24.81	14°42'	52°48'00"
29+50.70	5.70	7.76	2°19'51"	55°07'51"

DEFLECTION = 24.884617 MIN/FT.

BENCH MARK
 "0" CUT IN EAST CURB OF ARMOUR ST.
 NO. OF 4 OF WHITTIER.
 ELEV. = 165.03