

STREET IMPROVEMENTS FOR NORTH HALF SUNCREST

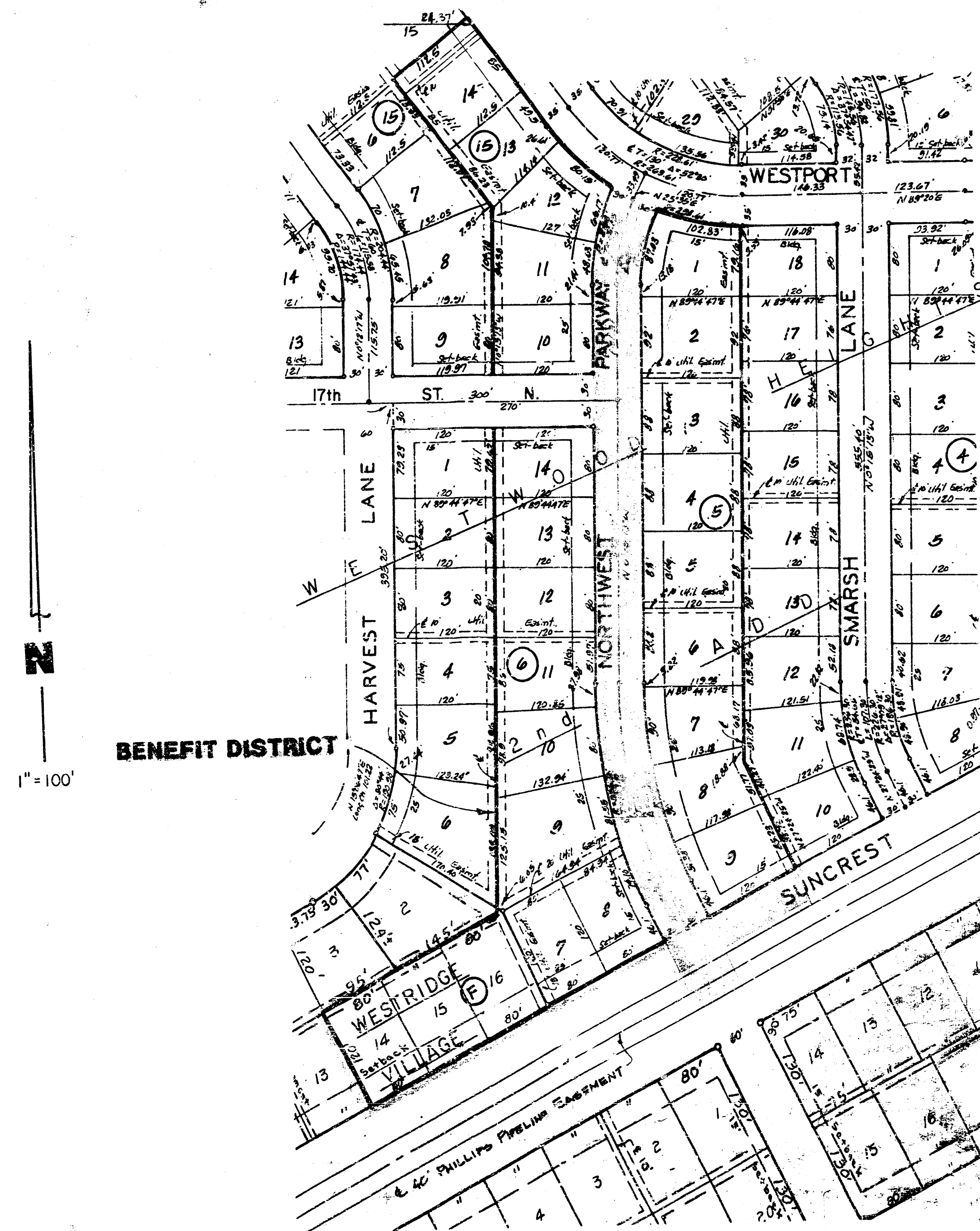
E'LY LINE NORTHWEST PKWY. to W'LY LINE LOT 10, BLK. 5, WESTWOOD HEIGHTS 2nd ADDITION

NORTHWEST PARKWAY

N'LY LINE EXISTING PVMT. ON SUNCREST to S.L. WESTPORT

PROJECT NO.

472-76-245-81299-000-000-001



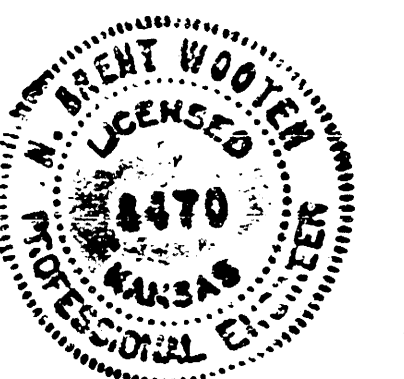
GENERAL NOTES

The contractor shall be responsible for preserving property irons. The contractor shall be required to re-establish any property irons which are damaged or destroyed by his construction operations. Such irons shall be re-established by a licensed land surveyor or a professional engineer in accordance with state laws.

The contractor shall contact Phillips Pipeline Co. (838-3411) prior to construction, for a verification in the field of the location of the pipeline lying in Suncrest.

The contractor shall contact the necessary utility companies for verifications of their underground lines in the field.

CITY OF WICHITA, KANSAS
MIKE E. LINDEBAK ——— **CITY ENGINEER**



JUNE 1984

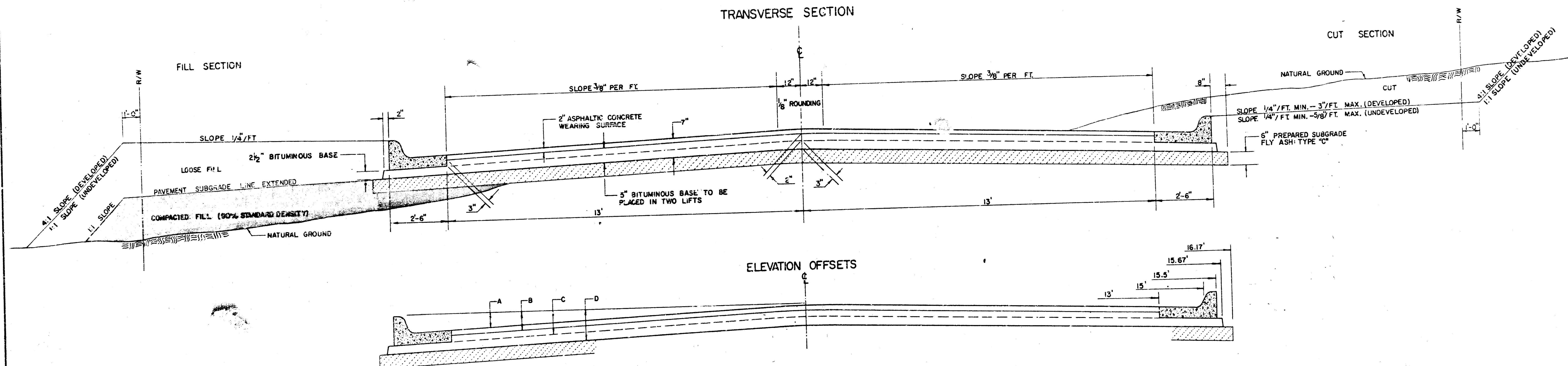
BAUGHMAN COMPANY, P.A.
SURVEYING & ENGINEERING
316/262-7271 • 330 LAURA • WICHITA, KANSAS 67211

1/10

FILMED FROM THE BEST

TYPICAL 3' PAVEMENT DETAILS

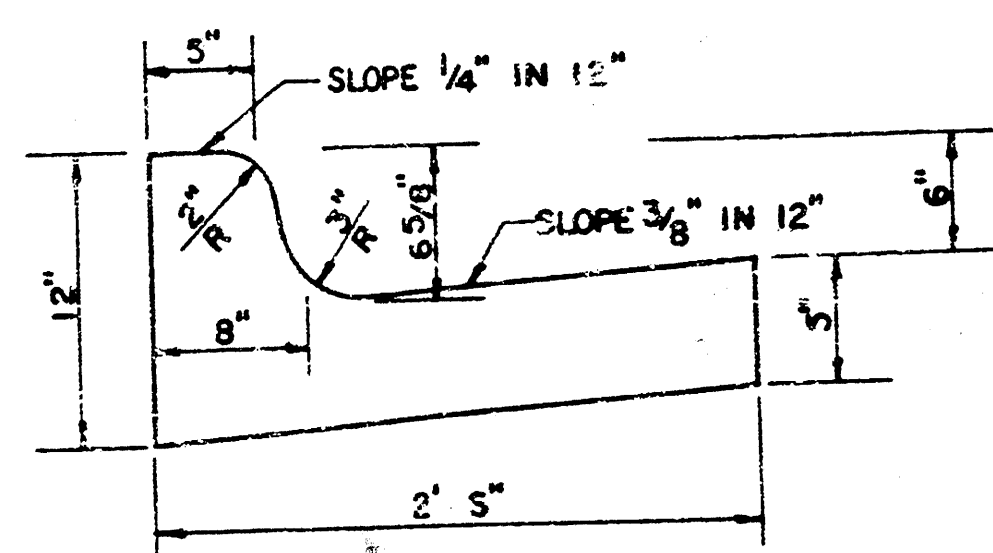
TRANSVERSE SECTION



ELEVATION OFFSETS

	DISTANCE FROM CENTERLINE (LT. & RT.)											
	0'	2'	4'	6'	7.5'	10'	12'	13'	15'	15.5'	15.67'	16.17'
A: TOP OF CURBS TO TOP OF SURFACE LIFT	0.10	0.14	0.21	0.27	0.32	0.39	0.46	0.49	—	—	—	—
B: TOP OF CURBS TO TOP OF UPPER BASE LIFT	0.27	0.31	0.38	0.44	0.49	0.56	0.63	0.66	—	—	—	—
C: TOP OF CURBS TO TOP OF LOWER BASE LIFT	0.44	0.49	0.57	0.64	0.70	0.79	0.87	0.90	0.98	1.00	1.00	—
D: TOP OF CURBS TO TOP OF SUBGRADE	0.69	0.73	0.80	0.87	0.93	1.01	1.08	1.12	1.19	1.21	1.21	1.23

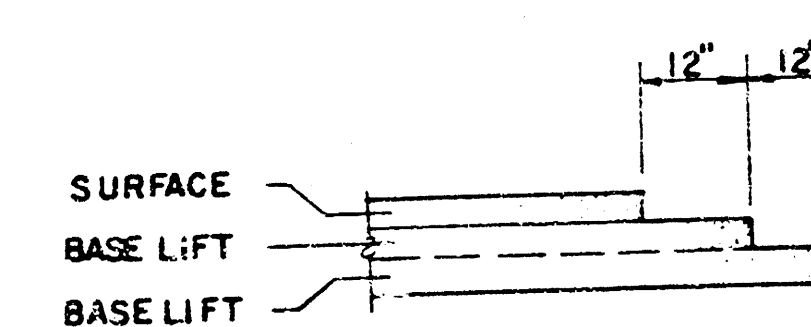
COMBINED CURB & GUTTER



GENERAL NOTES

- 1) THE ASPHALTIC CONCRETE PAVEMENT BETWEEN THE COMBINED CURB AND GUTTER SHALL BE PAID AS SQUARE YARDS OF 7" ASPHALTIC CONCRETE (5" BITUMINOUS BASE).
- 2) THE BITUMINOUS BASE UNDER AND BEHIND THE COMBINED CURB AND GUTTER SHALL BE PAID AS SQUARE YARDS OF 2 1/2" BITUMINOUS BASE.
- 3) A TACK COAT OF EMULSIFIED ASPHALT (SC-1H OR CSS-1H) SHALL BE APPLIED AT AN APPROXIMATE RATE OF 0.05 GALLONS PER SQUARE YARD BETWEEN EACH LIFT OF ASPHALTIC MATERIAL.
- 4) BITUMINOUS BASE AND ASPHALTIC CONCRETE WEARING SURFACE SHALL BE PLACED WITH A LAYDOWN MACHINE HAVING AUTOMATIC CONTROLS FOR LINE AND GRADE.
- 5) CONSTRUCTION JOINTS IN EACH LIFT SHALL BE STAGGERED A MINIMUM DISTANCE OF ONE (1) FOOT FROM JOINTS IN PRECEDING LIFTS AND PLACED SO THAT A JOINT WILL BE CONSTRUCTED ON THE CENTERLINE OF THE TOP LIFT.
- 6) CONTRACTOR TO BID ONLY ONE SUBGRADE TREATMENT ALTERNATE WHEN ALTERNATES ARE PROVIDED IN THE PROPOSAL AND CONTRACT. THE ALTERNATE CHOSEN BY THE SUCCESSFUL BIDDER SHALL BE USED IN CONSTRUCTING THIS PROJECT.

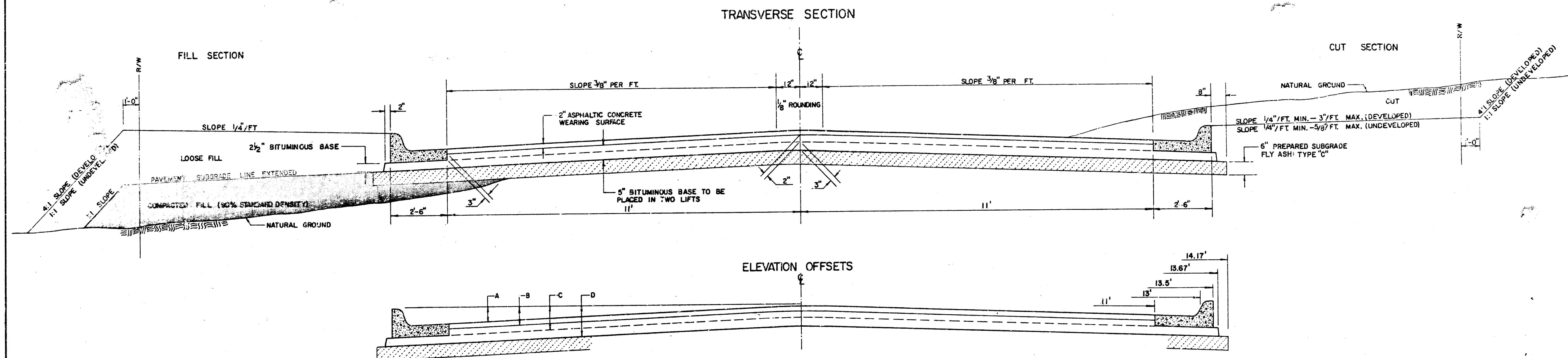
TRANSVERSE CONSTRUCTION JOINTS



TRANSVERSE CONSTRUCTION JOINTS SHALL BE CONSTRUCTED IN FLEXIBLE BASE PAVEMENTS AT LOCATIONS WHERE PAVEMENT JOINS EXISTING FLEXIBLE BASE PAVEMENT AS SHOWN BY THE DETAIL. ALL COSTS ASSOCIATED WITH THE CONSTRUCTION OF THE TRANSVERSE JOINT SHALL BE INCLUDED IN THE BID PRICE FOR SQUARE YARDS 7" ASPHALTIC CONCRETE (5" BITUMINOUS BASE).

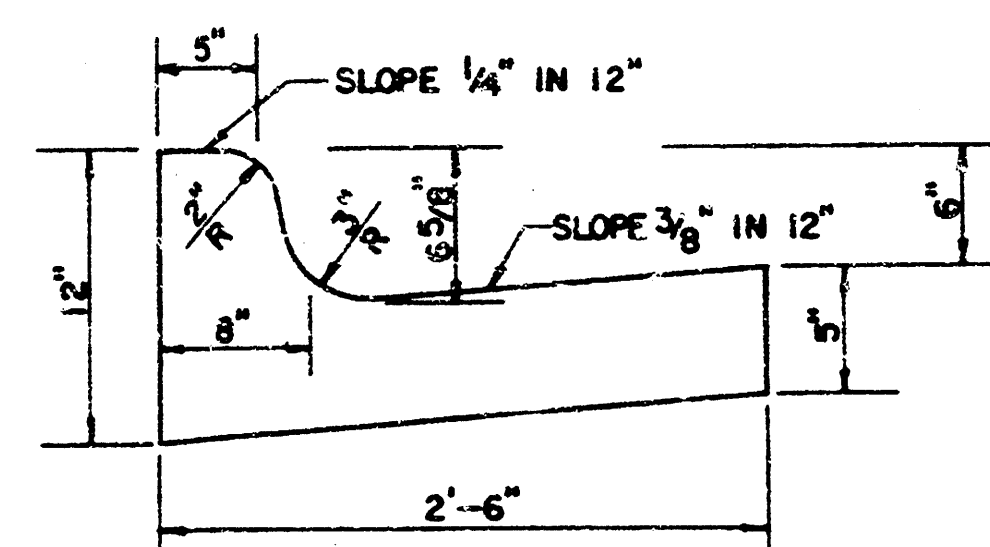
7 INCH RESIDENTIAL ASPHALTIC CONCRETE
PAVEMENT WITH 5 INCH BITUMINOUS BASE
CITY OF WICHITA, KANSAS
PROJECT NUMBER
472-78-246-81299-000-000-001

TYPICAL 27' PAVEMENT DETAILS

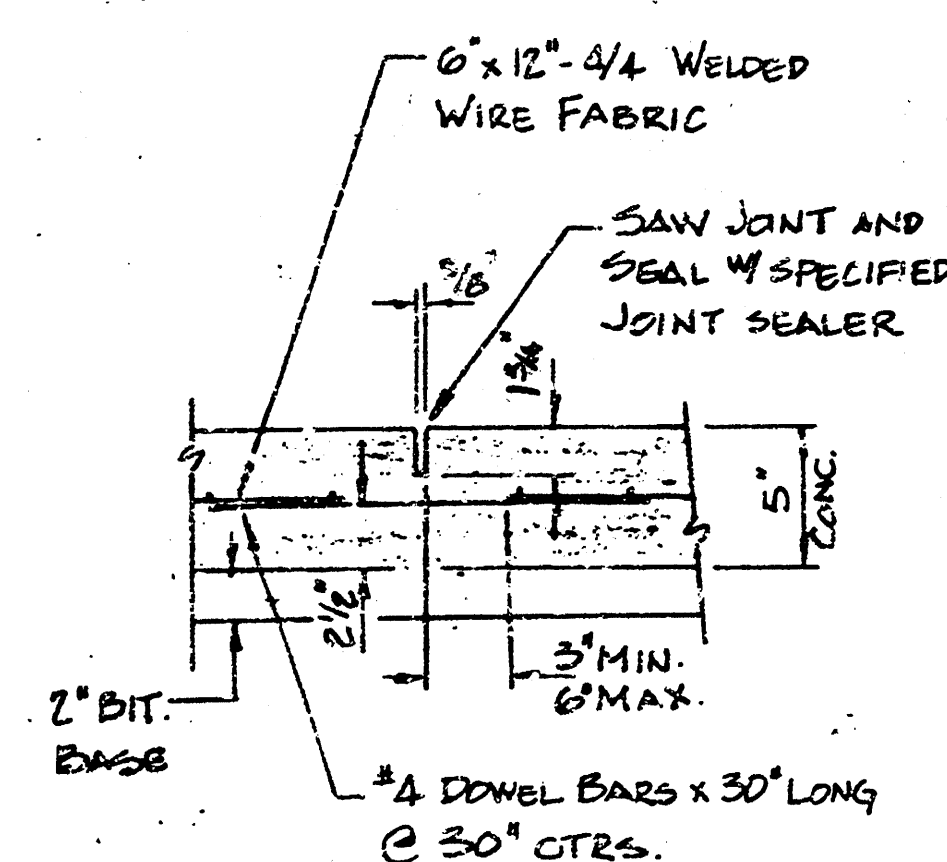


	DISTANCE FROM CENTERLINE (LT. & RT.)											
	0'	2'	4'	6'	8'	10'	11'	13'	13.5'	13.67'	14.17'	
A: TOP OF CURBS TO TOP OF SURFACE LIFT	0.17'	0.22'	0.28'	0.34'	0.40'	0.46'	0.49'	—	—	—	—	
B: TOP OF CURBS TO TOP OF UPPER BASE LIFT	0.35'	0.39'	0.45'	0.51'	0.57'	0.63'	0.66'	—	—	—	—	
C: TOP OF CURBS TO TOP OF LOWER BASE LIFT	0.52'	0.56'	0.63'	0.71'	0.78'	0.86'	0.90'	0.98'	1.00'	1.00'	—	
D: TOP OF CURBS TO TOP OF SUBGRADE	0.77'	0.81'	0.88'	0.95'	1.02'	1.09'	1.12'	1.19'	1.21'	1.21'	1.23'	

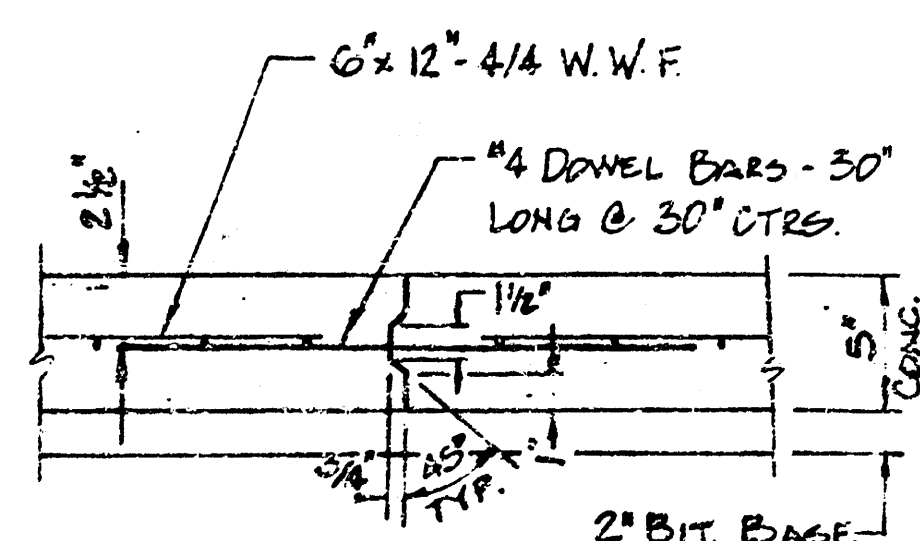
COMBINED CURB & GUTTER



LONGITUDINAL SAWED JOINT FOR CONCRETE VALLEY GUTTER



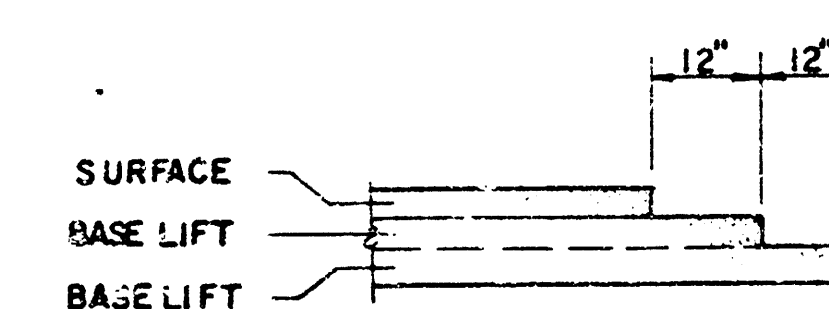
LONGITUDINAL CONSTRUCTION JOINT FOR CONCRETE VALLEY GUTTER



GENERAL NOTES

- 1) THE ASPHALTIC CONCRETE PAVEMENT BETWEEN THE COMBINED CURB AND GUTTER SHALL BE PAID AS SQUARE YARDS OF 7" ASPHALTIC CONCRETE (5" BITUMINOUS BASE).
- 2) THE BITUMINOUS BASE UNDER AND BEHIND THE COMBINED CURB AND GUTTER SHALL BE PAID AS SQUARE YARDS OF 2 1/2" BITUMINOUS BASE.
- 3) A TACK COAT OF EMULSIFIED ASPHALT (SC-1H OR CSS-1H) SHALL BE APPLIED AT AN APPROXIMATE RATE OF 0.05 GALLONS PER SQUARE YARD BETWEEN EACH LIFT OF ASPHALTIC MATERIAL.
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- 5) CONSTRUCTION JOINTS IN EACH LIFT SHALL BE STAGGERED A MINIMUM DISTANCE OF ONE (1) FOOT FROM JOINTS IN PRECEDING LIFTS AND PLACED SO THAT A JOINT WILL BE CONSTRUCTED ON THE CENTERLINE OF THE TOP LIFT.
- 6) CONTRACTOR TO BID ONLY ONE SUBGRADE TREATMENT ALTERNATE WHEN ALTERNATES ARE PROVIDED IN THE PROPOSAL AND CONTRACT. THE ALTERNATE CHOSEN BY THE SUCCESSFUL BIDDER SHALL BE USED IN CONSTRUCTING THIS PROJECT.

TRANSVERSE CONSTRUCTION JOINTS



TRANSVERSE CONSTRUCTION JOINTS SHALL BE CONSTRUCTED IN FLEXIBLE BASE PAVEMENTS AT LOCATIONS WHERE PAVEMENT JOINING EXISTING FLEXIBLE BASE PAVEMENT AS SHOWN BY THE DETAIL. ALL COSTS ASSOCIATED WITH THE CONSTRUCTION OF THE TRANSVERSE JOINT SHALL BE INCLUDED IN THE BID PRICE FOR SQUARE YARDS 7" ASPHALTIC CONCRETE (5" BITUMINOUS BASE).

7 INCH RESIDENTIAL ASPHALTIC CONCRETE
PAVEMENT WITH 5 INCH BITUMINOUS BASE
CITY OF WICHITA, KANSAS
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BENCH MARK - TOP OF CURB, S. END OF RAILROAD AT S.E. COR. WESTPORT & NORTHWEST PARKWAY, ELEV. 154.63

N
1"=20'

SEE SHEET 6

ADJUST INLET

CONSTRUCT COMB. CURB & GUTTER

CONSTRUCT 7" A.C. PAVEMENT

CONSTRUCT COMB. CURB & GUTTER

Δ=27°09'12" R=526.50' T=127.8' ARC=249.32' LC=247.02'

CURVE DATA BASED ON E 1/4-13-34-216

STA.	ARC	CHORD LENGTH	CHORD BEING	DEF.	TOTAL DEF.
0+00.00	0	0	0	0	0
0+75	28.9'	20.4'	27.43'	1°34'25"	1°34'25"
1+00	25'	26.09'	22.91'	1°21'39"	2°56'04"
1+25	25'	"	"	"	4°17'41"
1+50	25'	"	"	"	5°39'20"
1+75	25'	"	"	"	7°00'59"
2+00	25'	"	"	"	8°22'38"
2+25	25'	"	"	"	9°44'17"
2+50	25'	"	"	"	11°05'56"
2+75	25'	26.09'	23.81'	1°21'39"	12°27'35"
2+95.52	20.52'	21.42'	19.43'	1°07'01"	13°34'36"

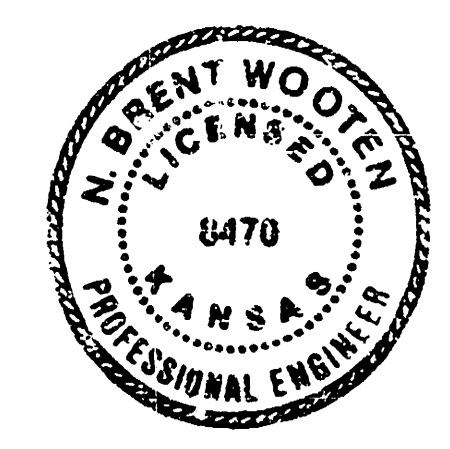
DEFLECTION / FT. = 3.26538 MIN.

EARTHWORK QUANTITIES

EXCAVATION = 2315.1 CY	COMPACTED FILL = 0
+ 10 % = 2315.5 CY	
TOTAL = 2546.6 CY	MANIPULATION = 3947 SY

- SYMBOLS
- Indicates Lot Lines
 - W — Indicates Water Lines
 - G — Indicates Gas Lines
 - UGP — Indicates KGE Lines
 - Indicates Existing Storm Sewers

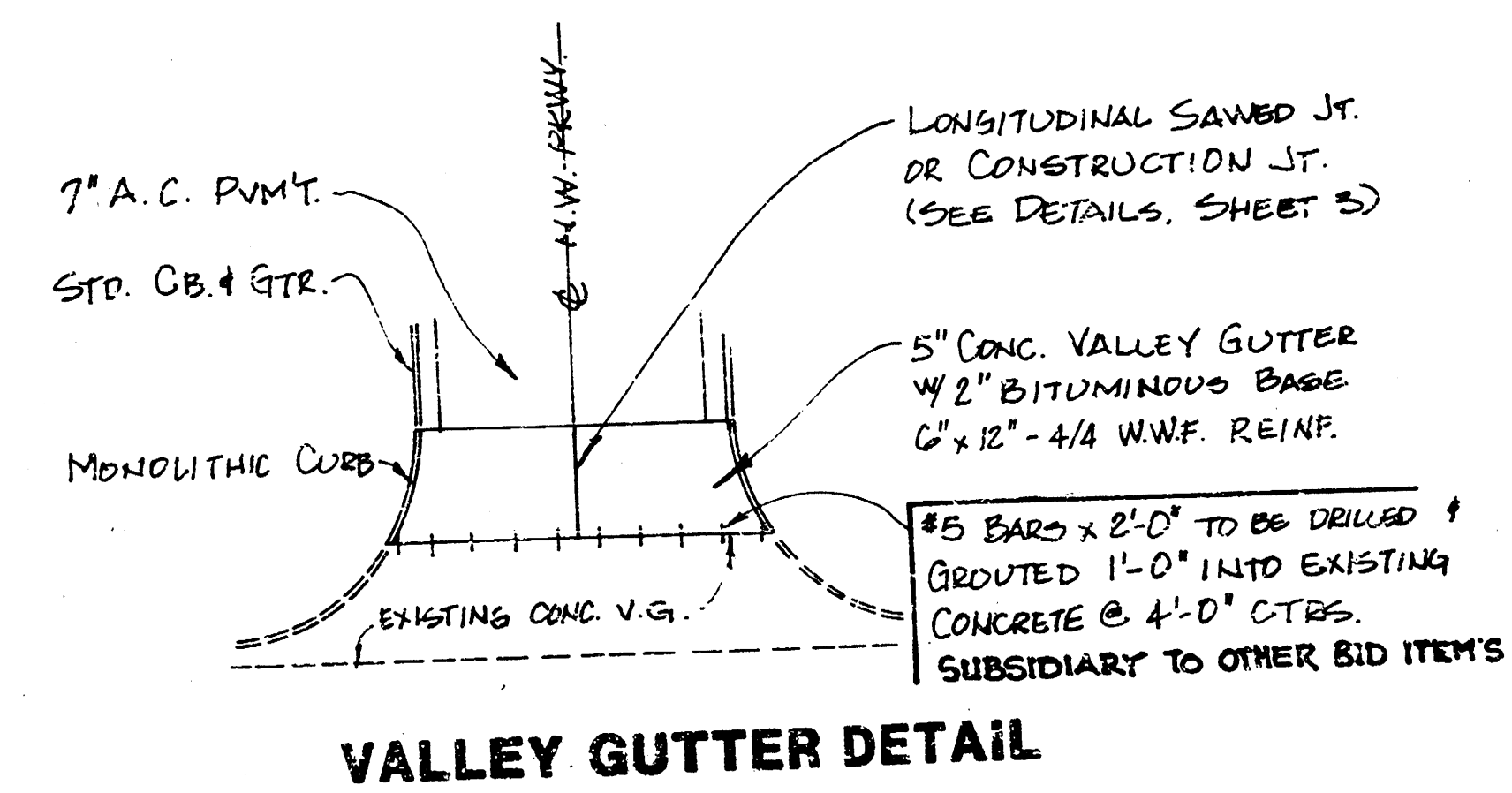
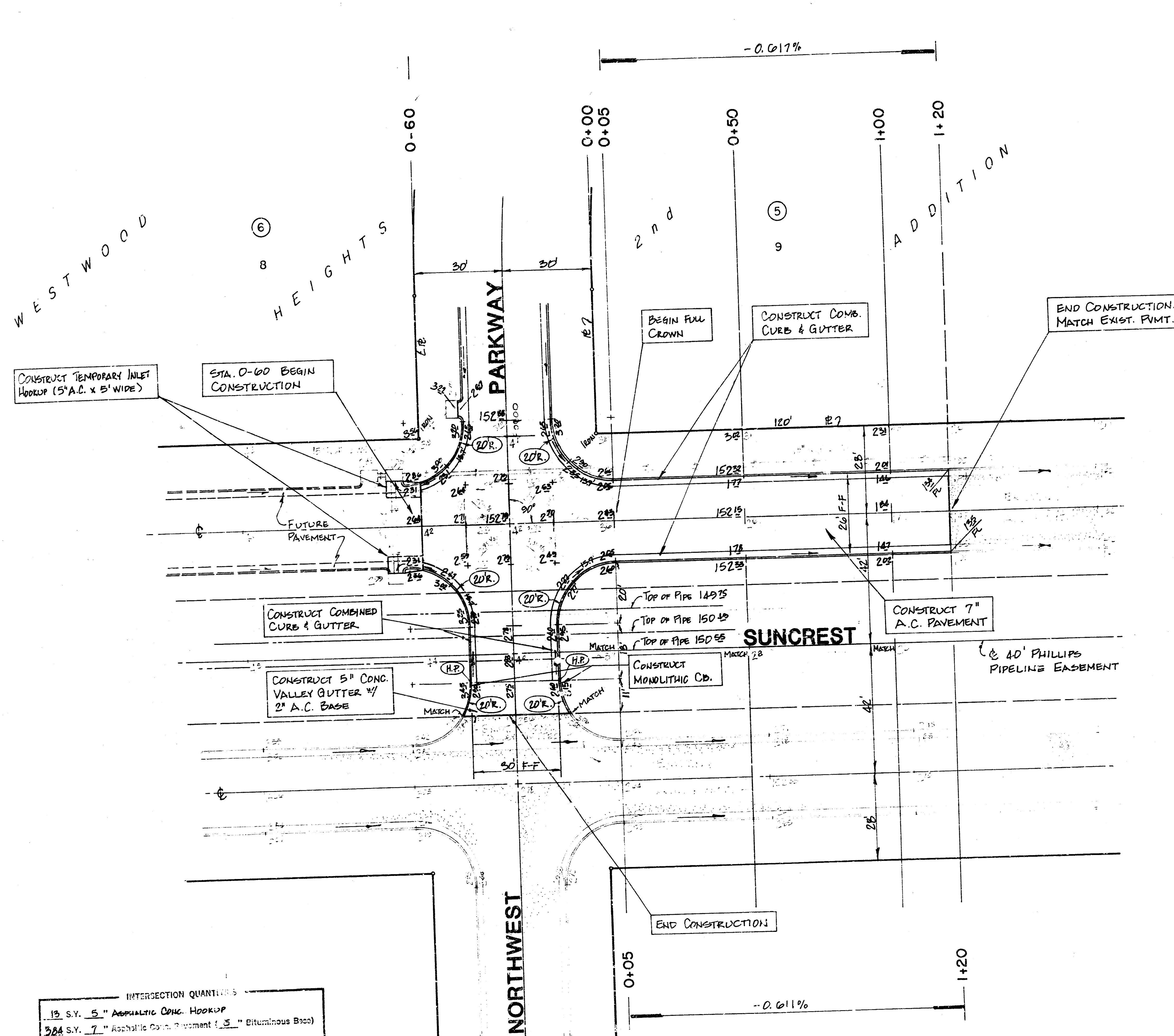
NO MORE THAN 7-20' DRIVES TO BE CONSTRUCTED ON THIS PROJECT.



NORTHWEST PARKWAY

Project no. 472-76-245-81299-000-000-001

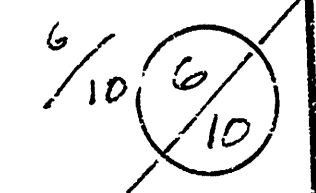
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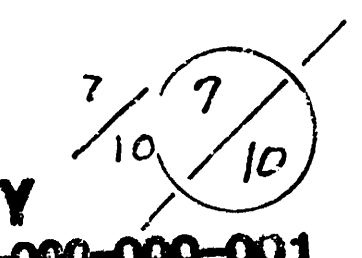


INTERSECTION QUANTITIES			
13	S.Y.	5"	Asphaltic Conc. Hoodup
324	S.Y.	7"	Asphaltic Conc. Pavement (5" Bituminous Base)
15	S.Y.	2 1/2"	Asphaltic Base
151	L.F.	Combined Curb & Gutter	
23	L.F.	Monolithic Curb	
	S.F.	4"	W.W.F. REIN.
	S.F.	4"	W.W.F.
	C.Y.		Excavation
	C.Y.		Compacted Fill
	Lbs.		Reinforcing Steel
170	S.Y.		Manhole
			Tons Lime or Cement
40	S.Y.	5"	Concrete & 2" Asphaltic Concrete Base

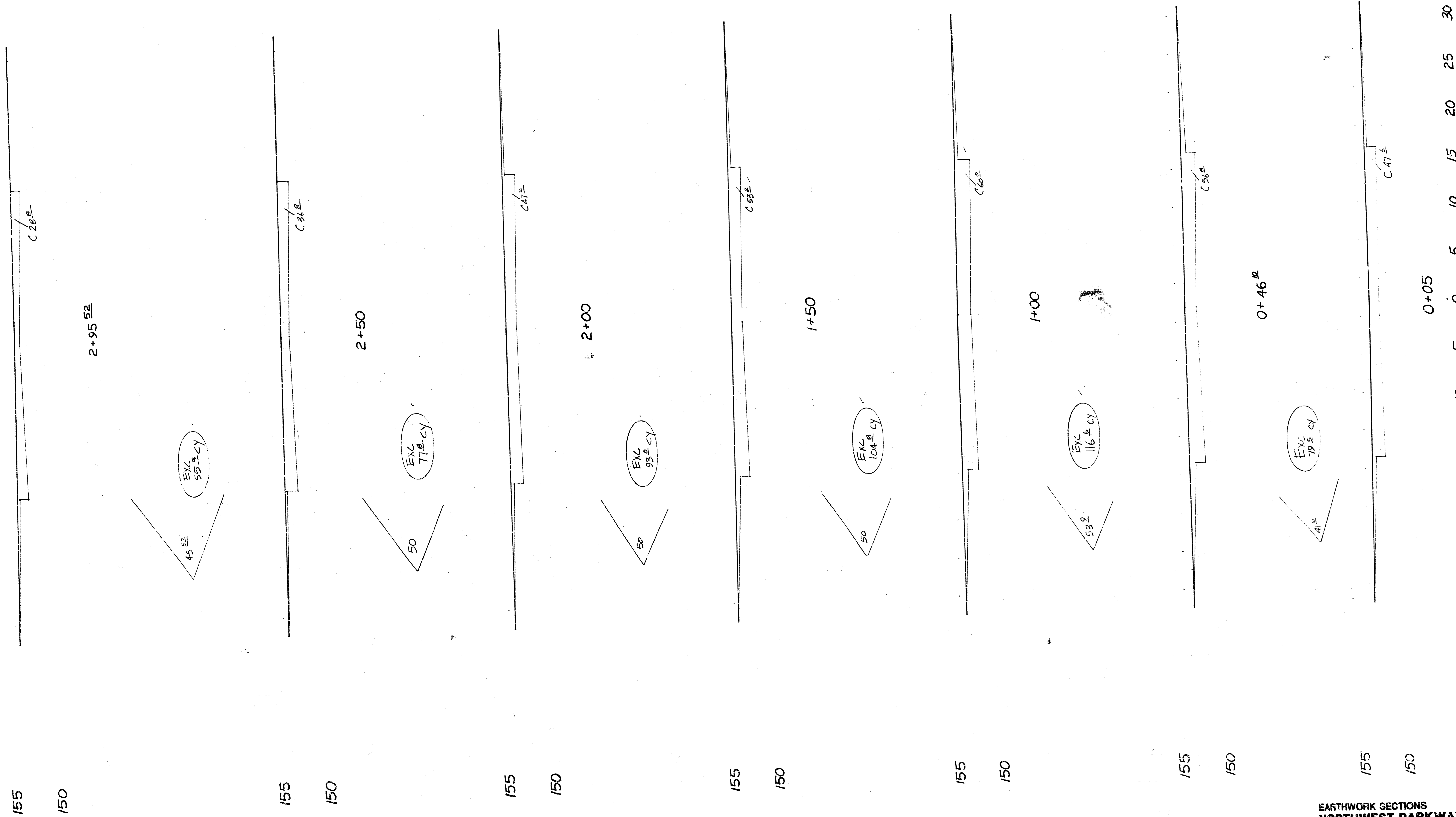
SUNCREST

Project no. 472 76 245 81299 000 000 001

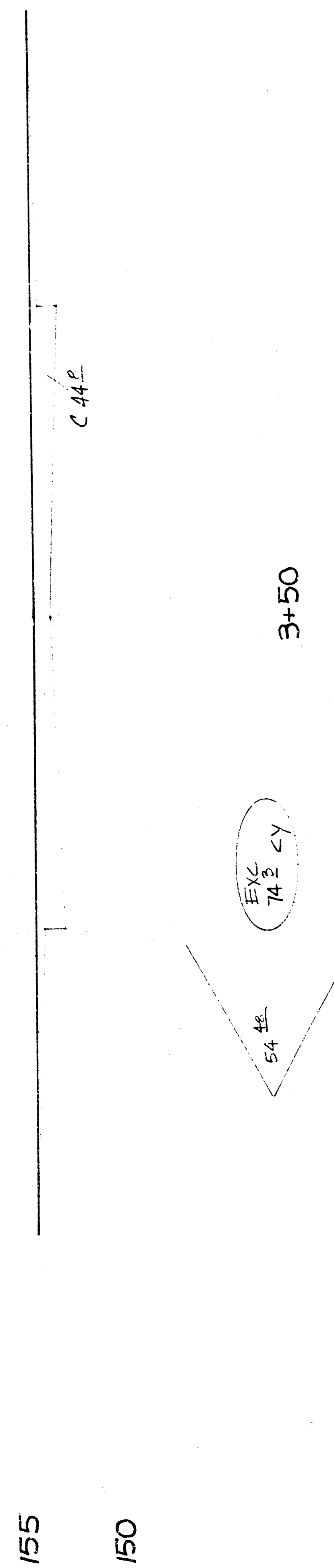
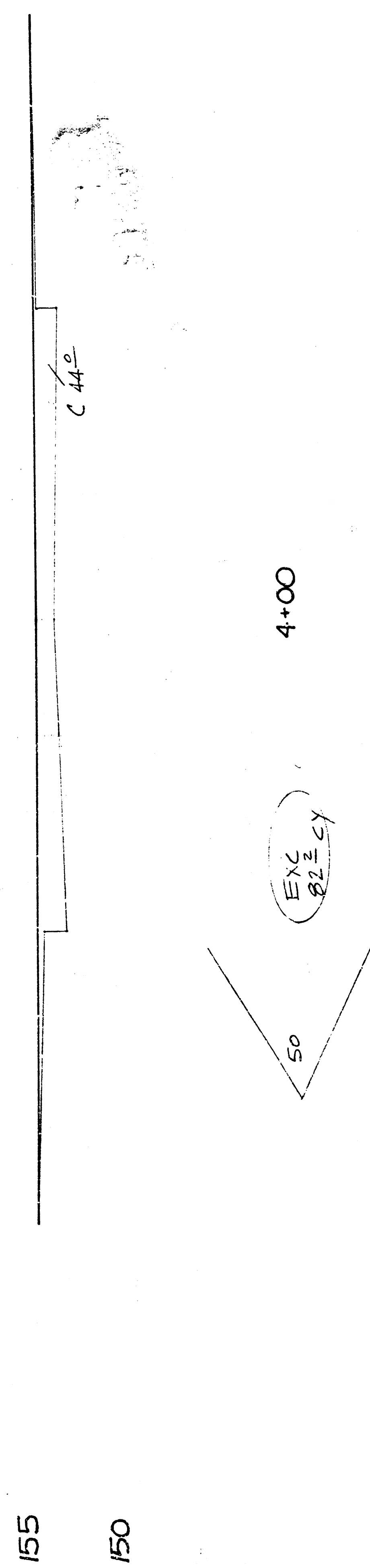
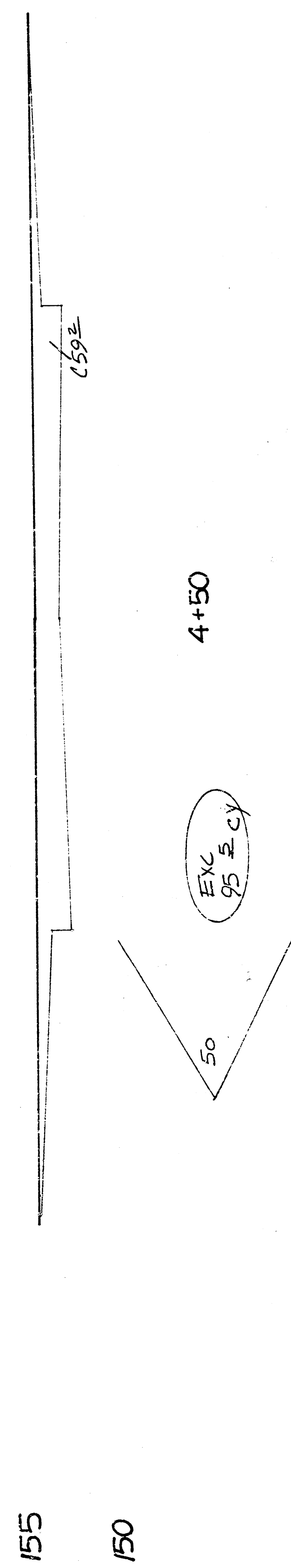
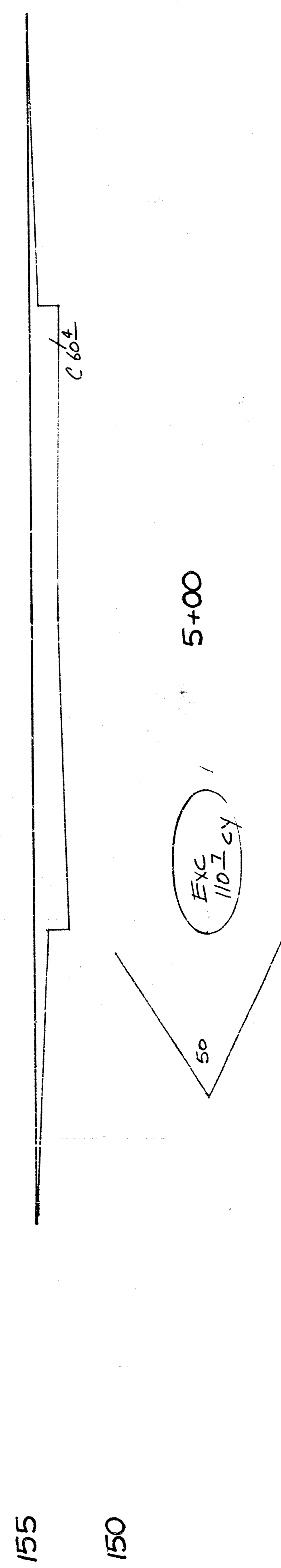
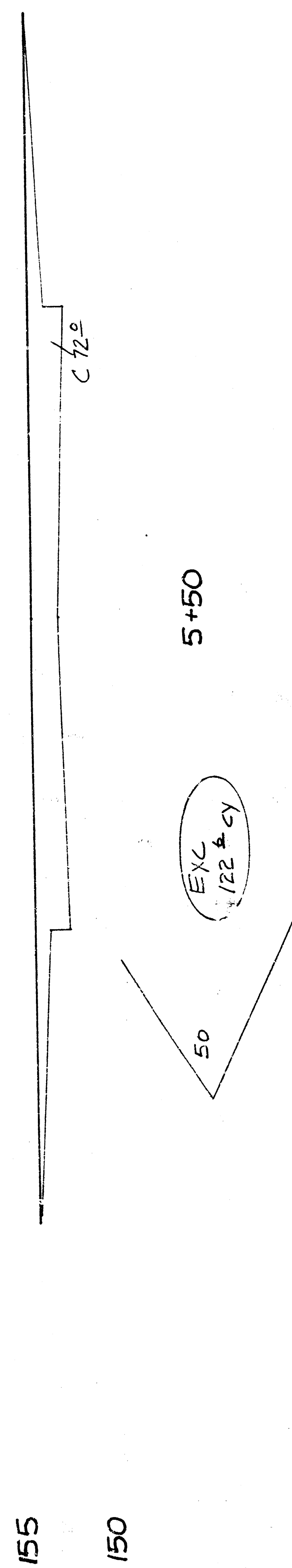
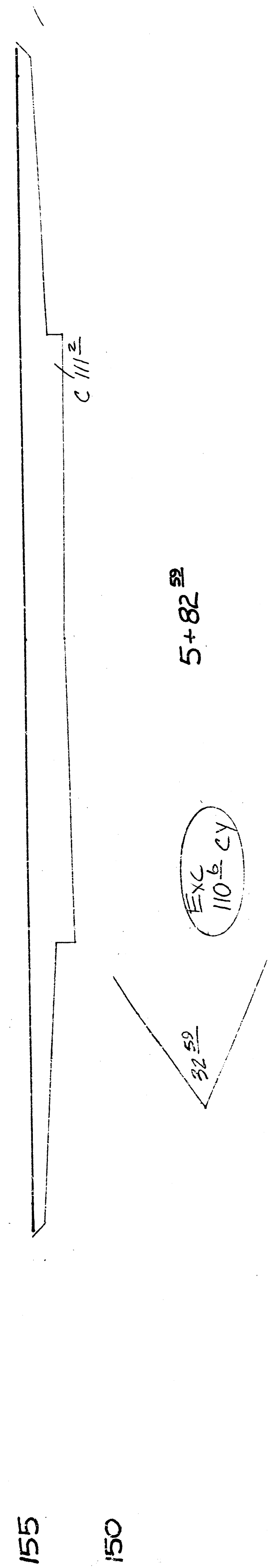




NET TOTAL
 EXCAVATION 5275 CY.

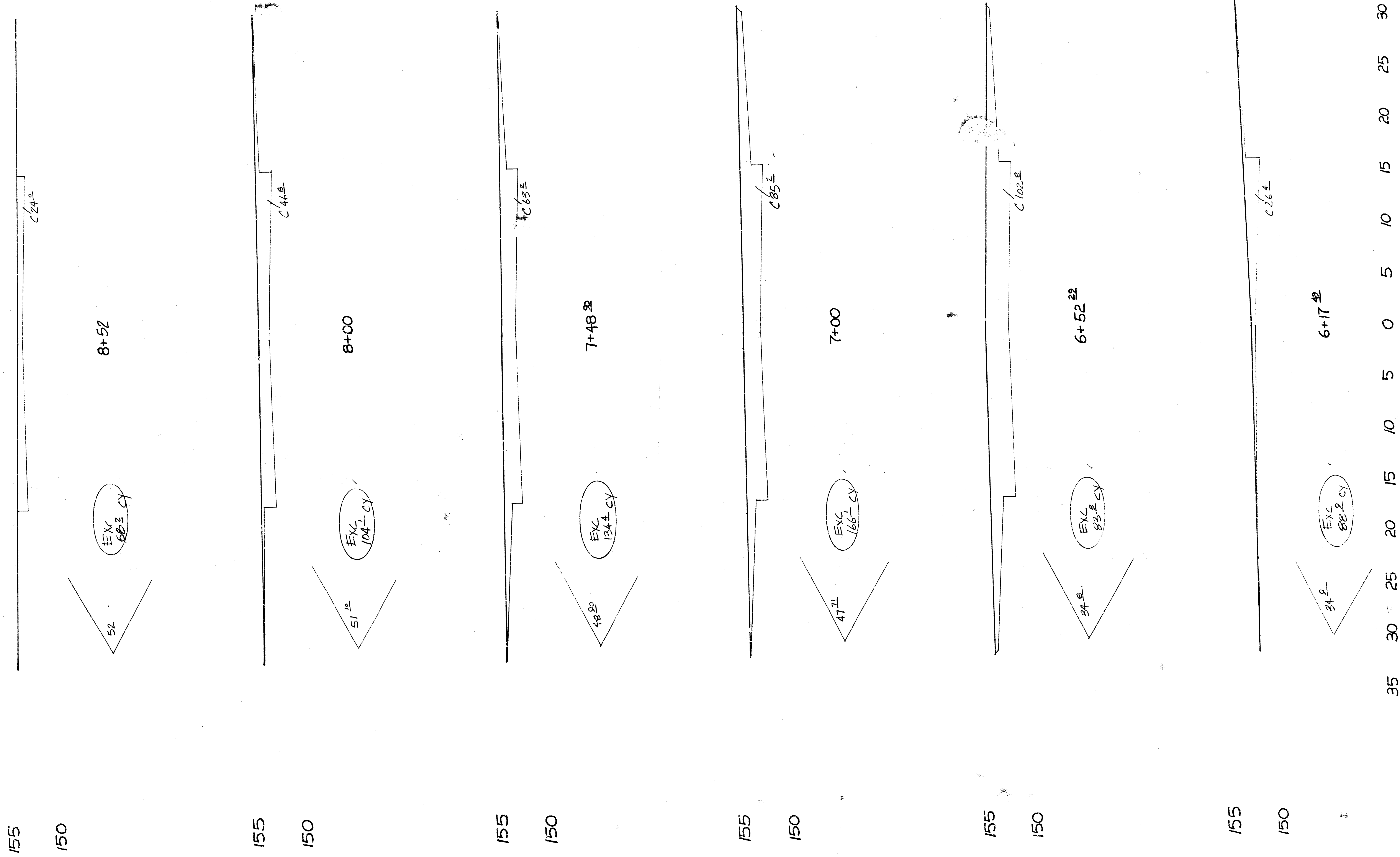


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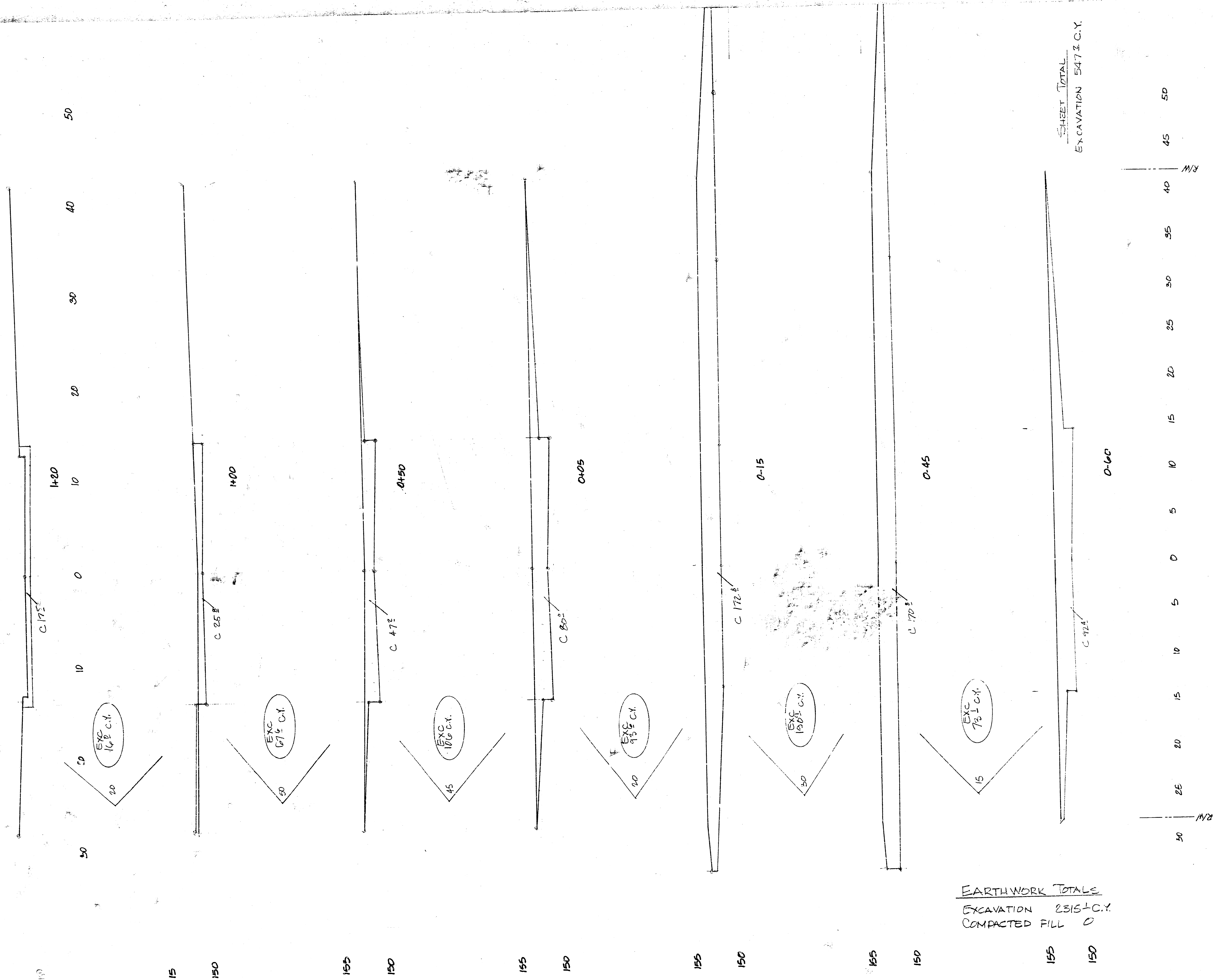


SHEET TOTAL
EXCAVATION 555.5 CY

35 30 25 20 15 10 5 0 5 10 15 20 25 30 35



BA II



EARTHWORK TOTALS
 EXCAVATION 2315 C.Y.
 COMPACTED FILL 0

EARTHWORK SECTIONS
SUNCREST
 Project no. 472-78-245-81289-000-001

SHEET TOTAL
 EXCAVATION 5417 C.Y.