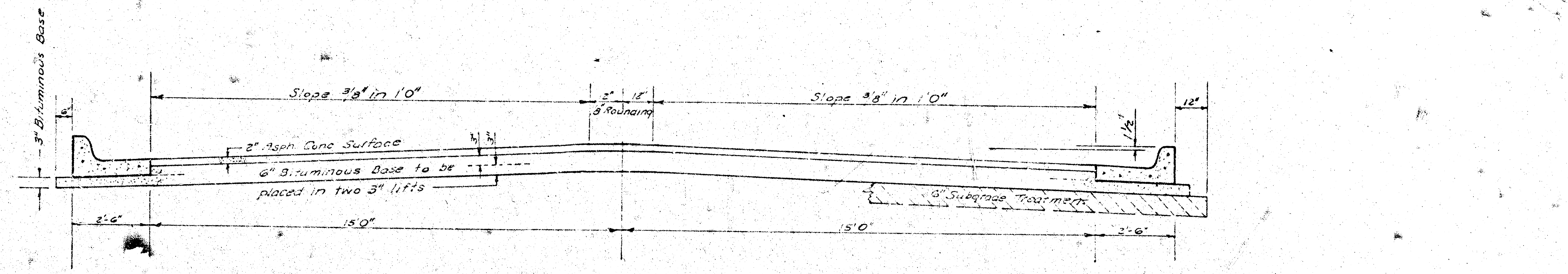
MARS
from NL Nantucket to EL Skyview
Project No. DAKS577038
472-76-245-80524-000-000-001


3" Bituminous Base
6"
Slope 3/8" in 1'0"
2" 12"
8" Rounding
Slope 3/8" in 1'0"
12"
1 1/2"
2" Asph Conc Surface
3"
3"
6" Bituminous Base to be placed in two 3" lifts
6" Subgrade Treatment
2'-6"
15'0"
15'0"
2'-6"

TYPICAL SECTION

35' ASPHALTIC CONCRETE PAVEMENT WITH BITUMINOUS BASE

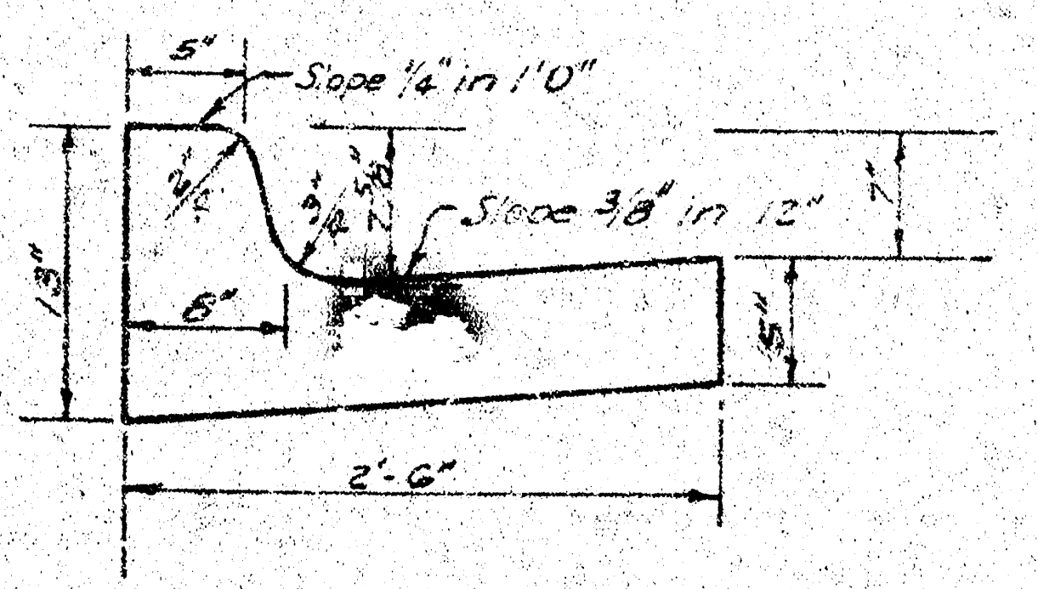
A TACK COAT OF EMULSIFIED ASPHALT (SS-1H) SHALL BE APPLIED AT AN APPROXIMATE RATE 0.05 GALLONS PER SQ YD BETWEEN LIFTS OF ASPHALTIC MATERIALS WHEN ORDERED BY THE ENGINEER. TACK COAT WILL NOT BE PAID FOR DIRECTLY AND SHALL BE CONSIDERED AS SUBSIDIARY TO PRICE BID FOR ASPHALTIC PAVEMENT.

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

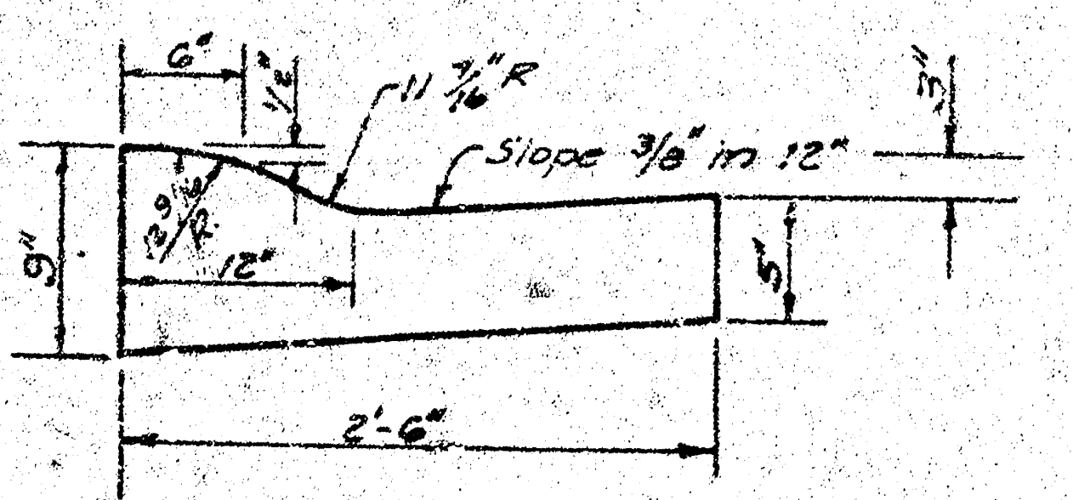
The A.C. Pavement between the comb. curb & gutter shall be paid as Sq.Yds. 8" A.C. Pavement (6" Bituminous Base).

The Bituminous Base under the comb. curb & gutter shall be paid as Sq.Yds. 3" Bituminous Base.

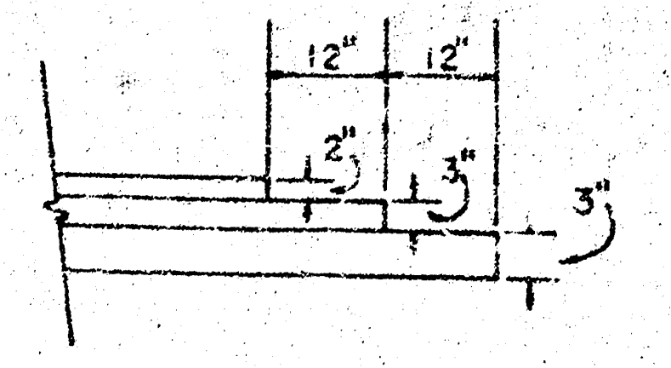
COMBINED CURB & GUTTER


5"
Slope 1/4" in 1'0"
2" R
3" R
7 5/8"
Slope 3/8" in 12"
7"
13"
6"
5"
2'-6"

ROLL TYPE CURB & GUTTER


6"
1/2"
11 7/16" R
Slope 3/8" in 12"
3"
12 9/16" R
12"
9"
5"
2'-6"

DETAIL OF TRANSVERSE CONSTRUCTION JOINTS



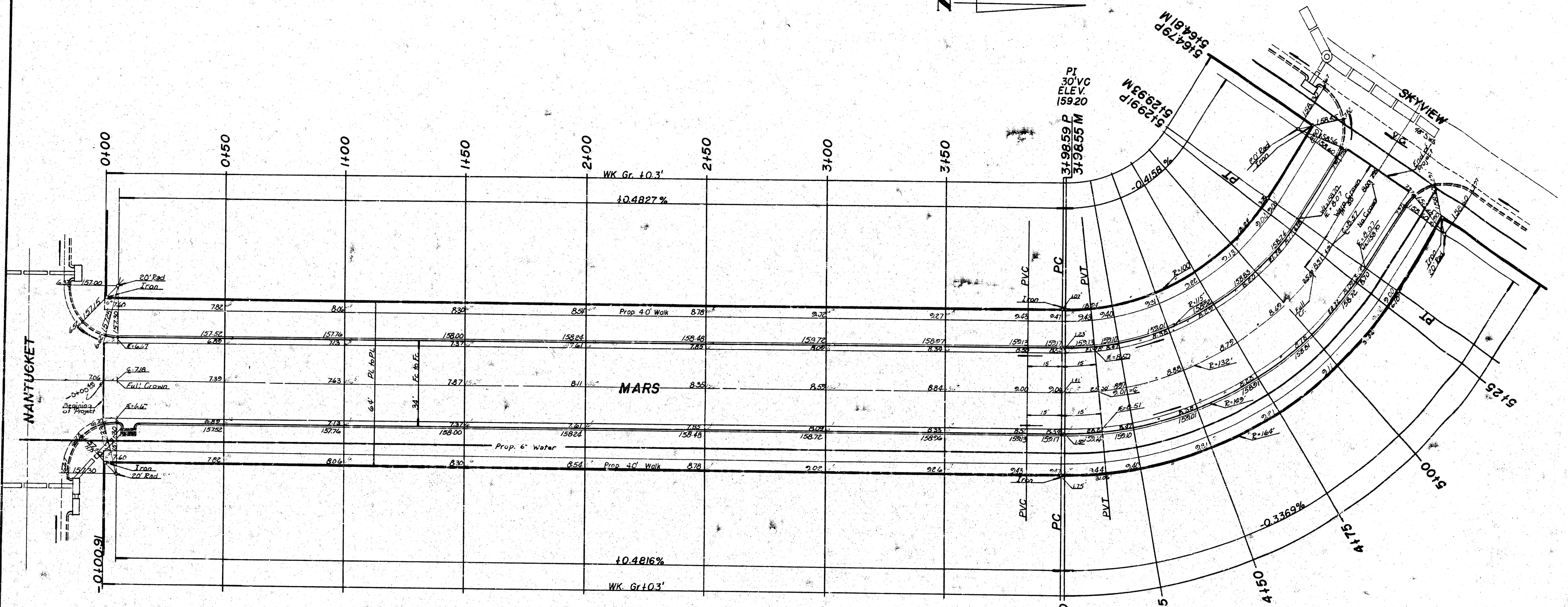
TRANSVERSE CONSTRUCTION JOINTS SHALL BE CONSTRUCTED IN FLEXIBLE BASE PAVEMENTS AT LOCATIONS WHERE PAVEMENT TEMPORARILY ENDS TO FACILITATE FUTURE PAVEMENT CONSTRUCTION AS SHOWN BY DETAIL. THE COST OF CONSTRUCTING THE TRANSVERSE CONSTRUCTION JOINTS SHALL NOT BE MEASURED OR PAID FOR DIRECTLY BUT SHALL BE 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. DAKS577038

1/3

BM 157.04 R.R. Spike N. face P.P. approx. 200' S. and 100' W.
of nw. cor. Nantucket and Skyview.
B is ℄ of Mars.

Armour
Plan Fleming
Exc "
Checked
JLA-22



N
Scale 1" = 20'
NANTUCKET
SKYVIEW
MARS
0+00
0+50
1+00
1+50
2+00
2+50
3+00
3+50
3+98.59 P
3+98.55 M
4+00
4+25
4+50
4+75
5+00
5+25
5+12.99 P
5+12.93 M
5+16.79 P
5+16.81 M
PI
30' VC
ELEV.
159.20
WK Gr. +0.3'
+0.4827%
+0.4816%
-0.4158%
-0.3369%
PVC
PC
PVT
PT
Prop. 4.0' Walk
Prop. 6" Water
20' Rad
Iron
Full Crown
Beginning of Project
0+00.91
64'
34'
PL to PL
Fc to Fc
R=100'
R=115'
R=132'
R=149'
R=164'

Δ = 57°00' R = 132.0' T. = 71.67' L. = 131.32' LC. = 125.97'

CURVE DATA BASED ON ℄ RAD. Δ/2 = 28°30'00"

STA.	ARC	CHORD LENGTH 8' Off Lt	 8' Off Rt	DEFLECTION	TOTAL DEFLECTION
3+98.59	——	——	——	——	0°00'00"
4+00	1.41'	1.14'	1.68'	0°18'23"	0°18'23
4+25	25.00'	20.27'	29.74	5°25'32"	5°43'55"
4+50	"	"	"	"	11°09'27"
4+75	"	"	"	"	16°34'59"
5+00	"	"	"	"	22°00'31"
5+25	25.00'	20.27'	29.74'	5°25'32"	27°26'03"
5+29.91	4.91'	3.98'	5.84'	1°03'57"	28°30'00"

Defl. MIN/FT. = 13.021768007

	Earthwork Property
Excavation	6.9 cy
+10%	.7
Total	7.6 cy
Comp. Fill	924.1 cy
+10%	92.4
Total	1016.5 cy
Borrow	2331.0 cy
+10%	233.1
Total	2564.1 cy
Manipulation	2321.9 sy

"Notes"

1. Paving contractor to cordinate construction with sewer contractor.
2. All drainage in connection with project to be constructed by "OTHERS".
~~3. [illegible]~~

Note:
Borrow Material shall be obtained from excess mat'l from other projects in the area.
Construction to allow for no more than 10-20' Drives.

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".

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.

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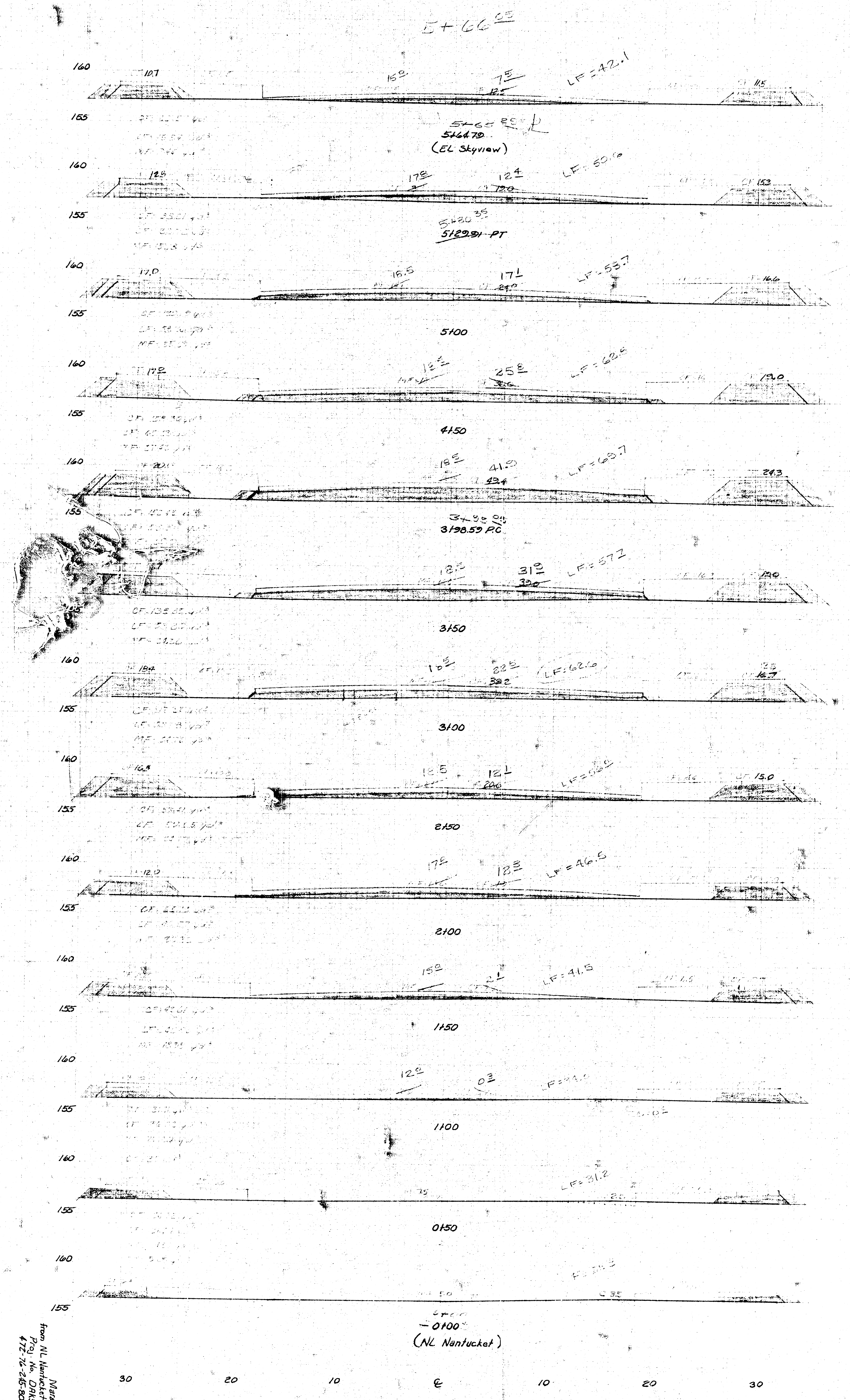
5+66.05
160
155
10.7
15.0
7.5
12.5
LF=42.1
11.5
5+65.25 ℄
5+64.79
(EL Skyview)
12.5
17.0
12.4
12.0
LF=50.6
15.3
5+30.35
5+29.91 PT
17.0
16.5
17.1
21.0
LF=53.7
14.6
5+00
17.0
18.5
25.5
LF=62.6
13.0
4+50
18.5
41.5
42.4
LF=63.7
24.3
3+98.64
3+98.59 P.C.
18.5
31.0
32.0
LF=57.2
14.0
3+50
18.4
16.5
22.5
32.2
LF=62.6
16.7
3+00
16.3
18.5
12.1
20.0
15.0
2+50
12.0
17.5
12.5
LF=46.5
2+00
15.0
LF=41.5
1+50
12.0
0.3
1+00
LF=31.2
0+50
0+00
(NL Nantucket)
30
20
10
℄
10
20
30

Earthwork

	Excavation	Comp. Fill	Loose Fill	Manip. Fill
City	—	—	—	—
Property	6.94 yd³	924.11 yd³	548.29 yd³	242.37 yd³

Borrow 2331.32 yd³

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