

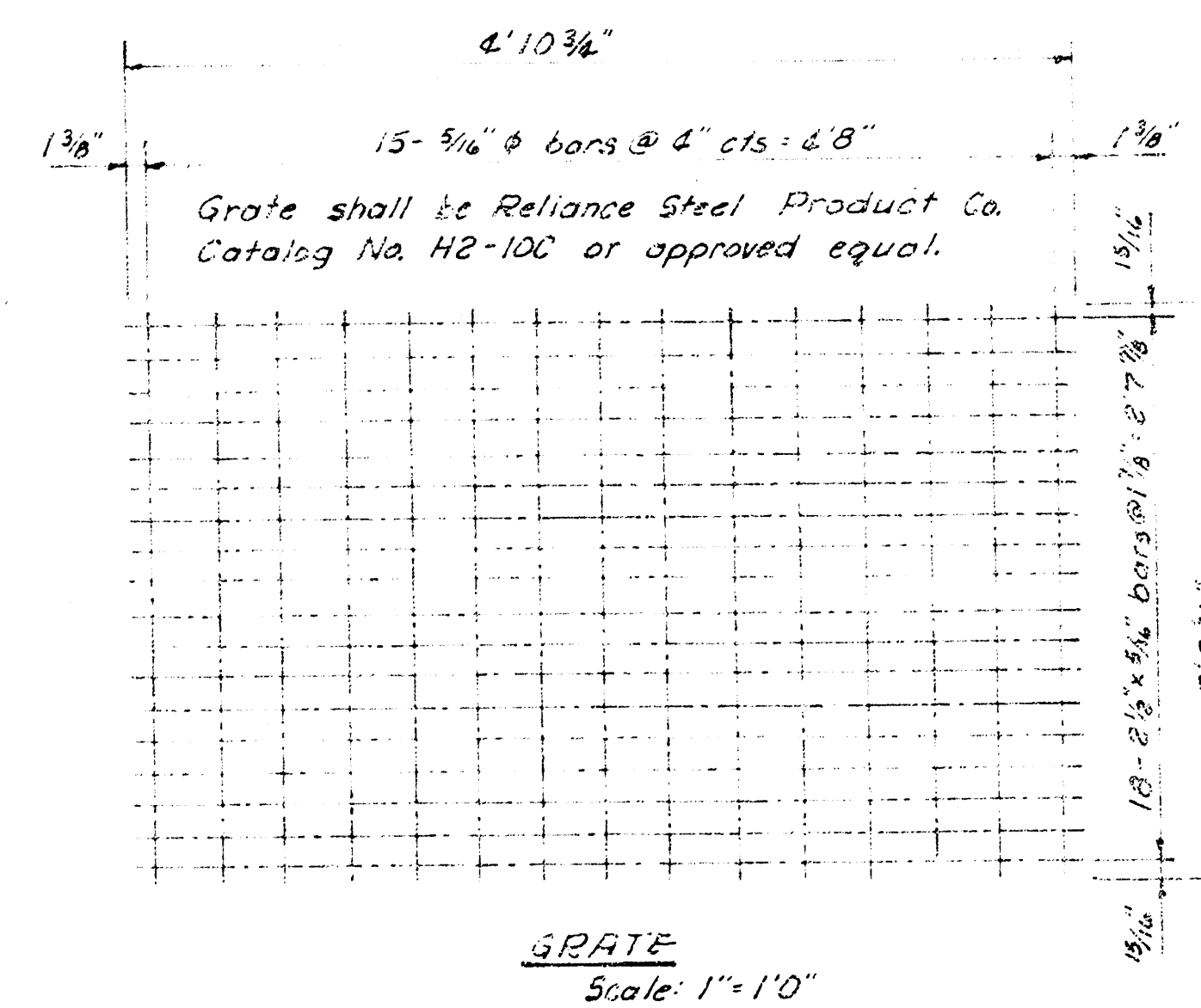
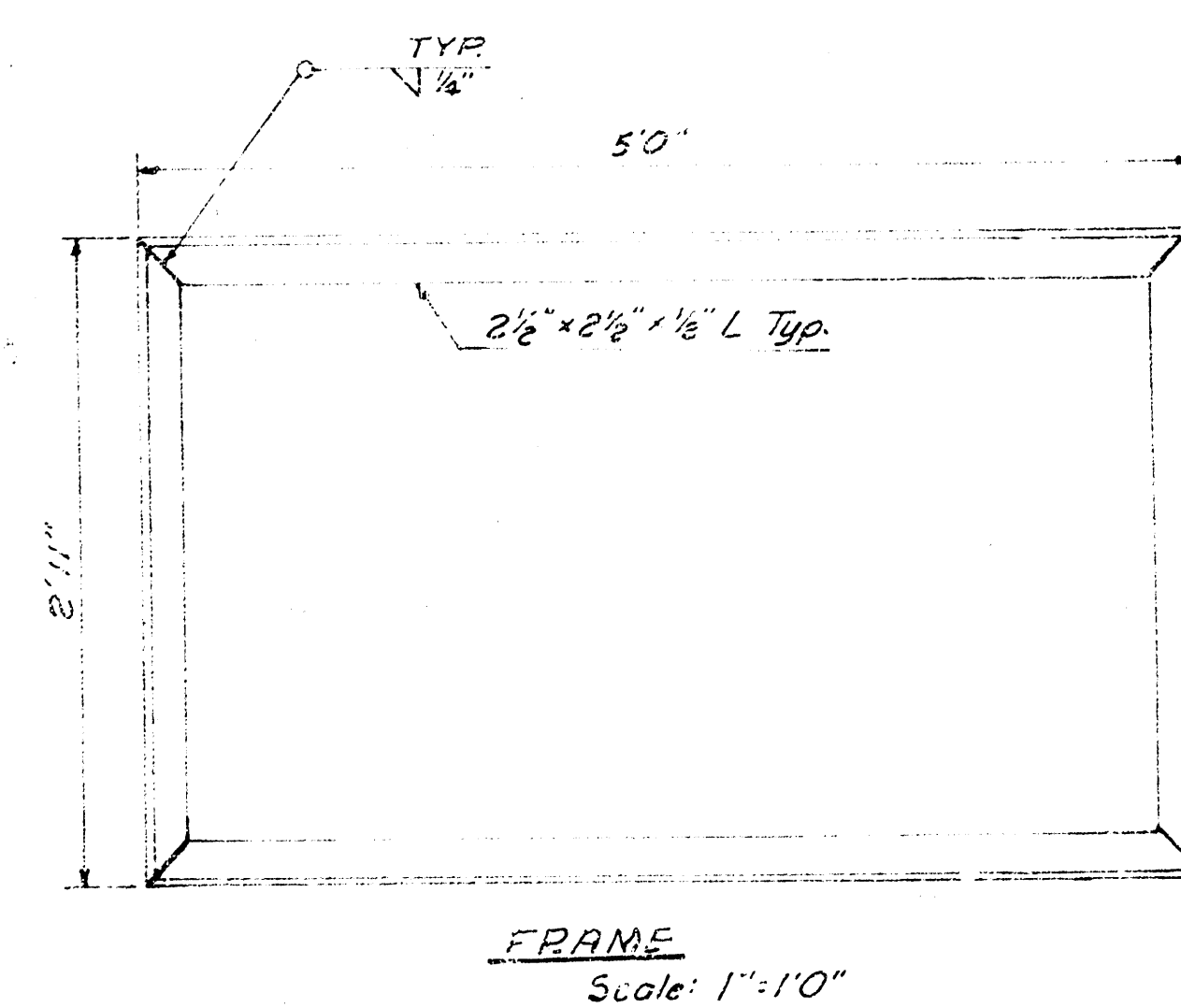
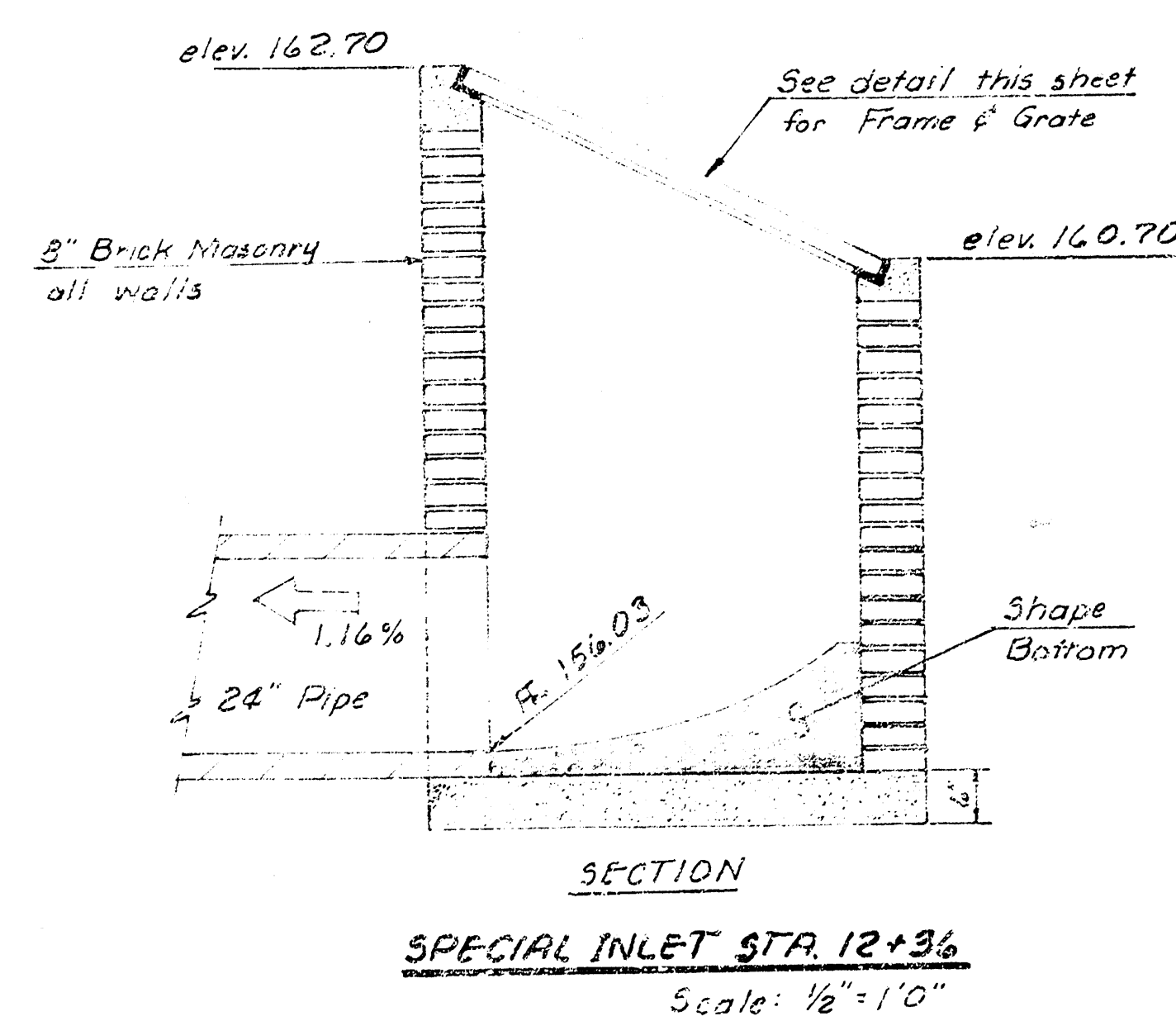
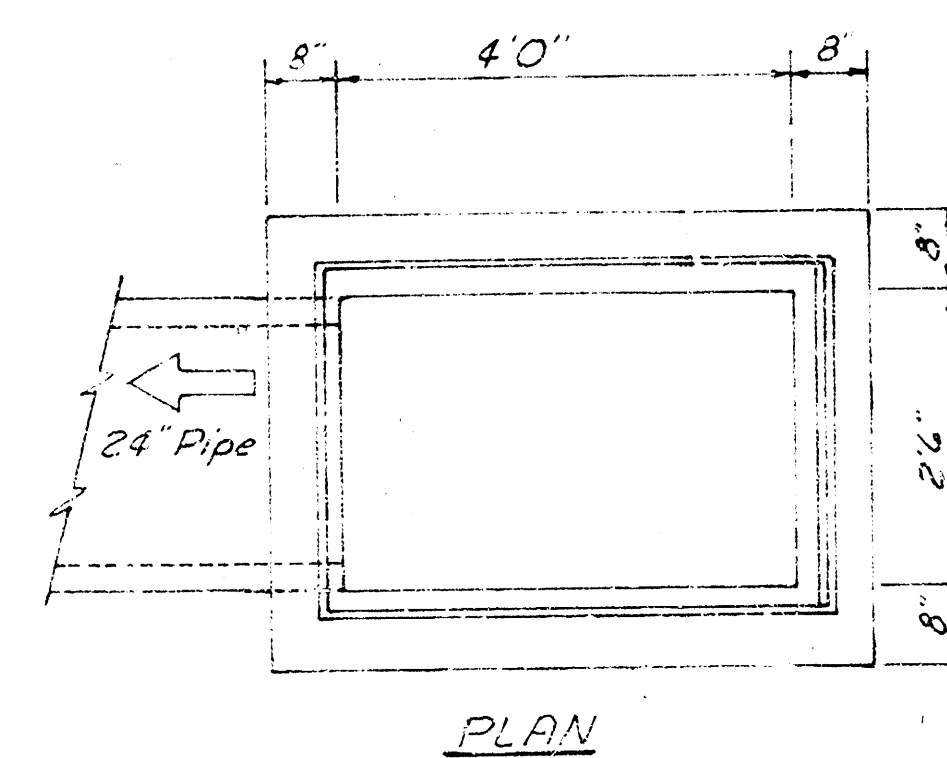
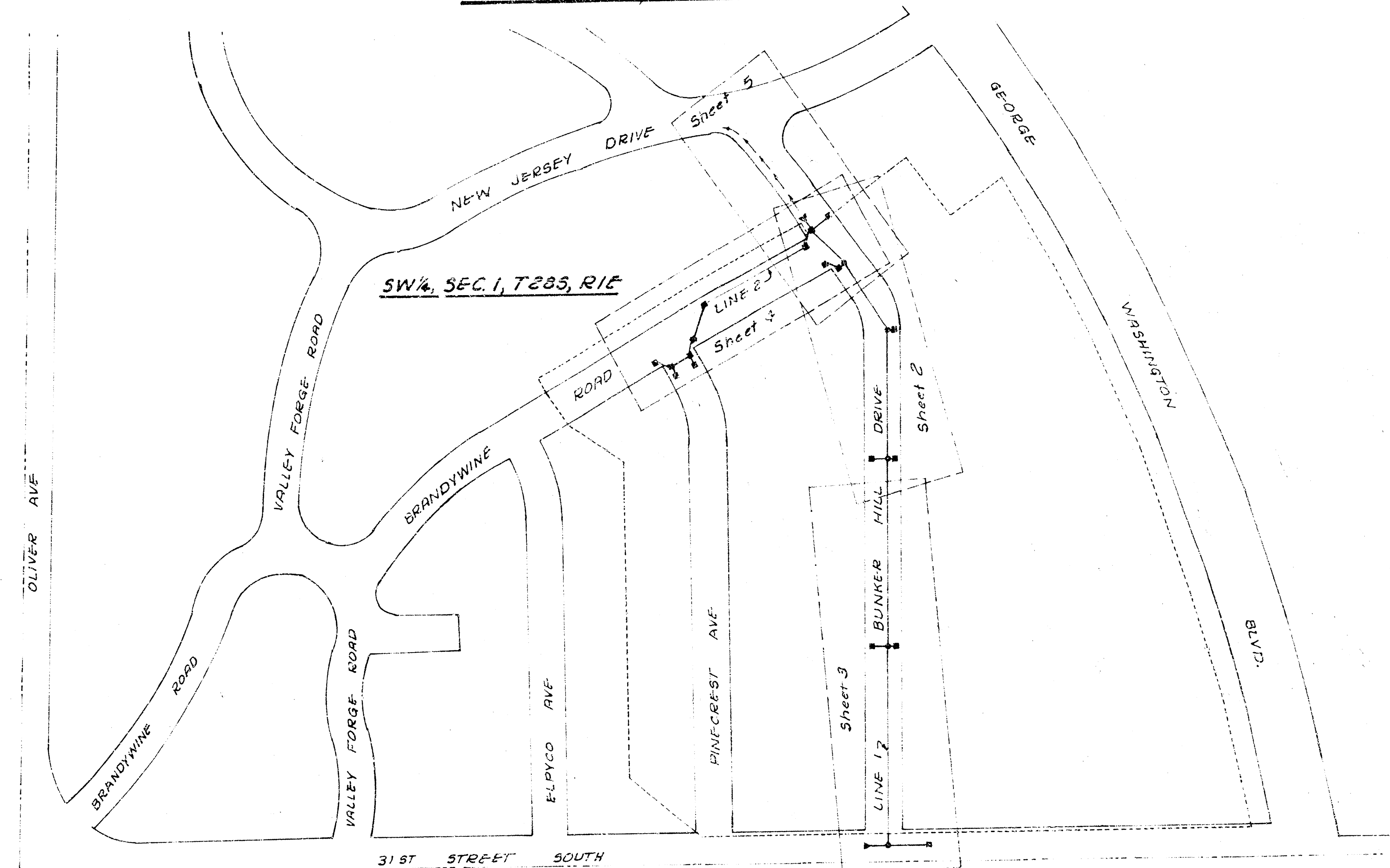
STORM WATER SEWER NO. 130

CITY OF WICHITA, KANSAS

R. W. LINN, CITY ENGINEER

PROJECT NO. DBKA 577095

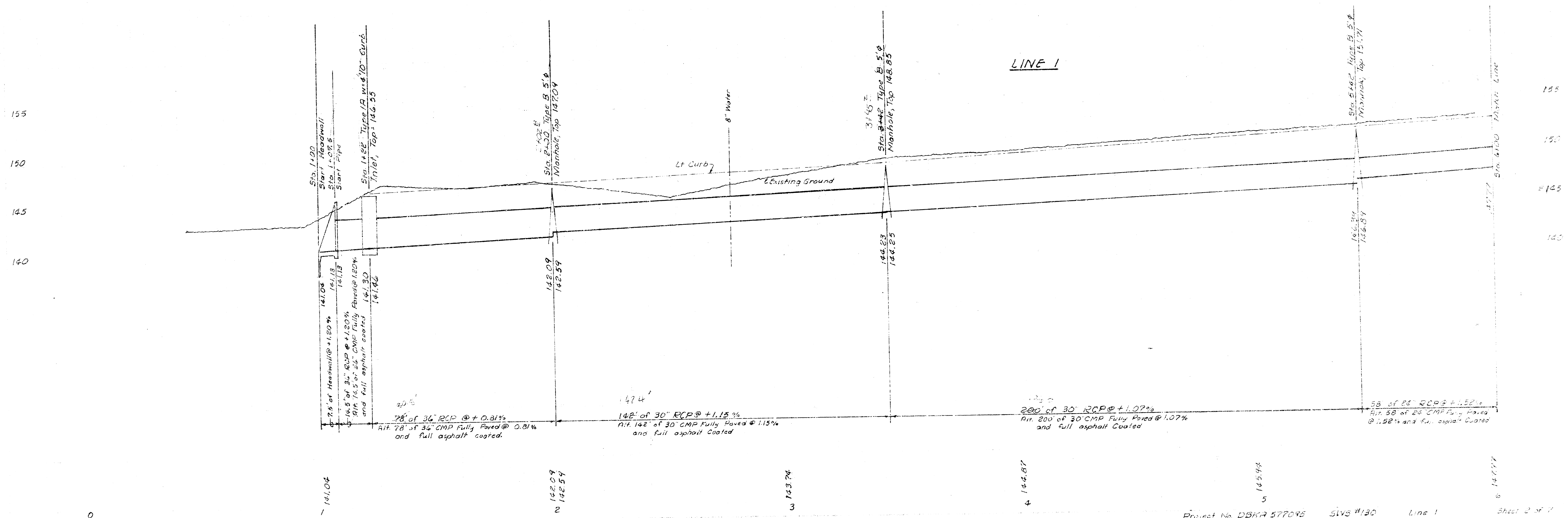
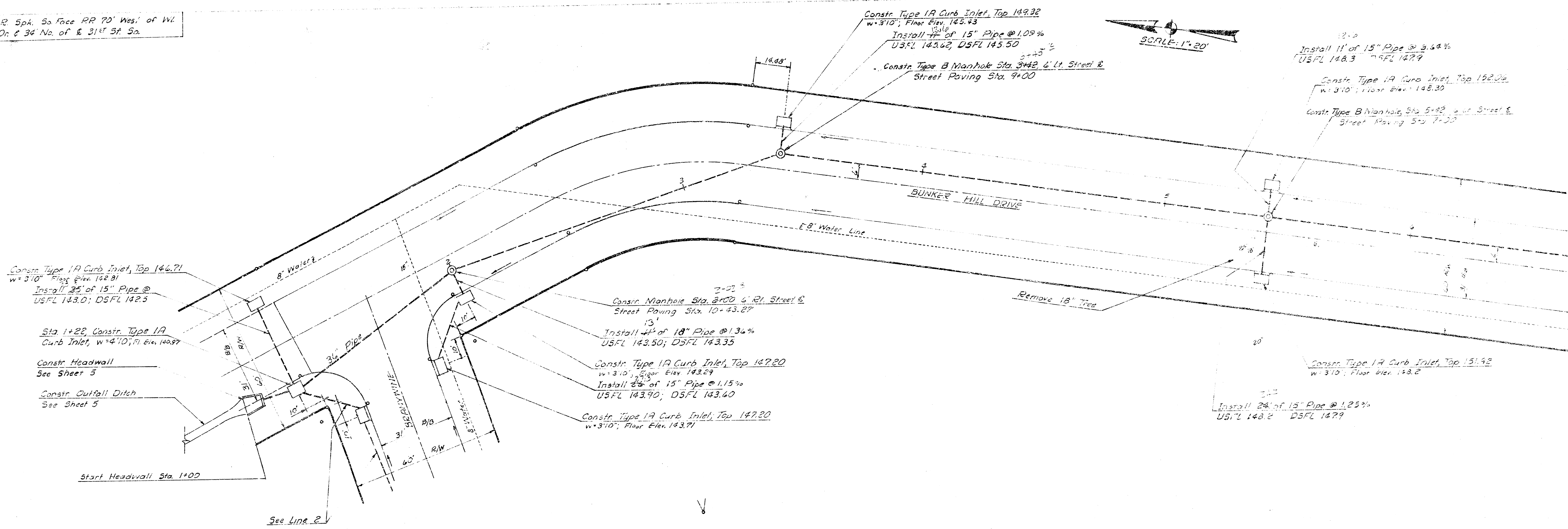
DATE: Jan. 27, 1978



NO.	DESCRIPTION
1	SEE DETAIL THIS SHEET FOR FRAME & GRATE
2	SEE DETAIL THIS SHEET FOR FRAME & GRATE
3	SEE DETAIL THIS SHEET FOR FRAME & GRATE
4	SEE DETAIL THIS SHEET FOR FRAME & GRATE

BM 144.50 R.R. Sph. So. Face RR 70' West of W.L.
Bunker Hill Dr. & 34' No. of & 31st St. S.

SCALE: 1" = 20'



SCALE: 1"=20'

Cut Area, Concr. Ditch from existing 2'x2' RCBT to 140.43
to Spec. Inlet Top 140.70. Ditch bottom 2' with 3/4" sides.
Cost to be included in other bid items. (Cut=45+CY)

Constr Spec. Inlet Sta 12+36
See detail, Sheet 1

Install 24" Pipe

Future 49 E/B Street

12-1-2 RCB

Tele. Cable

3127 5742-67 90077

Consolidation Bids No. 46
Street Paving Bids No. 76

Introll 33 of 15" Pipe with
end sections @ USFL 143.2;
DSFL 154.0

11 H. of 15" Pipe @ 1.82%
154.7; DSFL 154.5

Constr. Type 1A Curb Inlet, Top 158.40
w = 3'10" Floor Elev 154.51

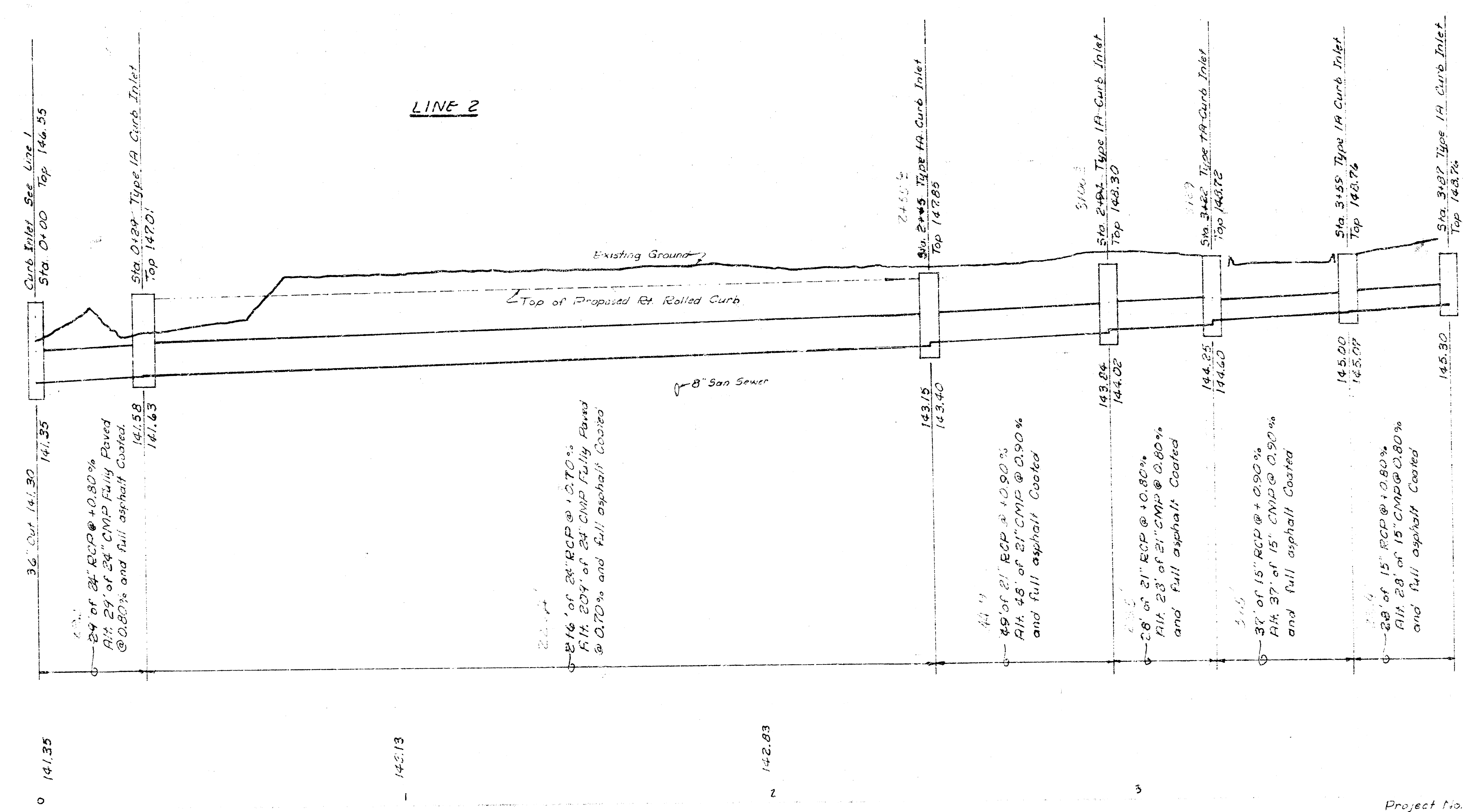
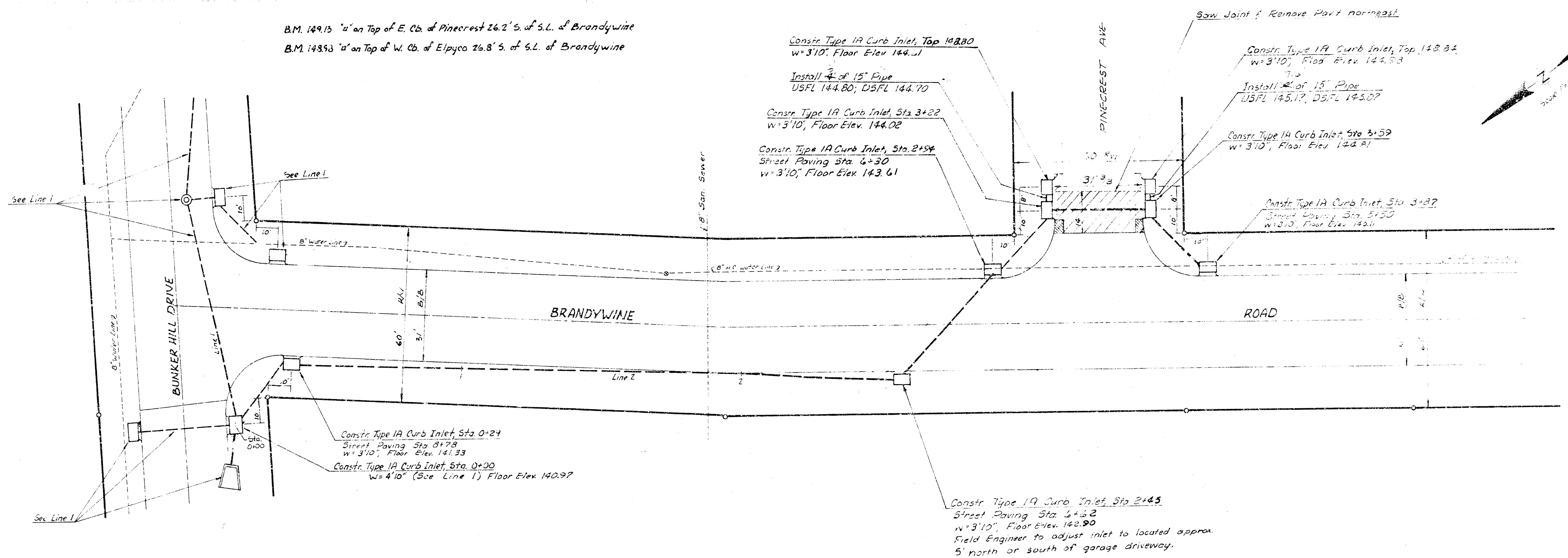
Const. Type B Manhole Sta. 8+42
Street Paving Sta. 4+00

Remove Tree

BUNKER HILL DRIVE

Const. Type 1B Curb Inlet Top 158.65
w = 2'10" Floor Elev. 154.71
Install 24' of 15" Pipe @ 1.67%
USFL 154.9, DSFL 154.5

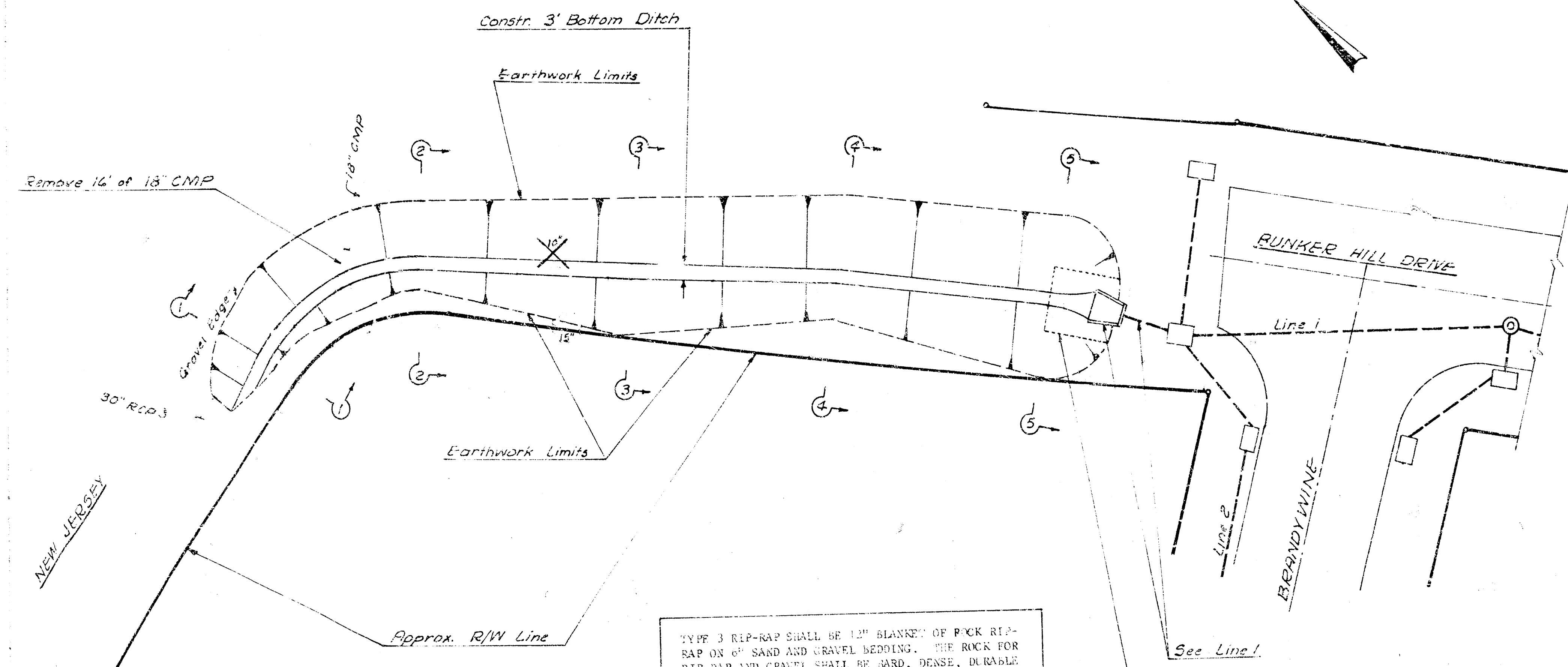
Project No. DBKA 577095 SW57130 LINE 1 Sheet 3 of 7



BM 144.30 R.R. Spk. 3a Face RR 70 West of W.L.
Bunker Hill Dr. E. 34' Na. of E. 31' St. 8a.

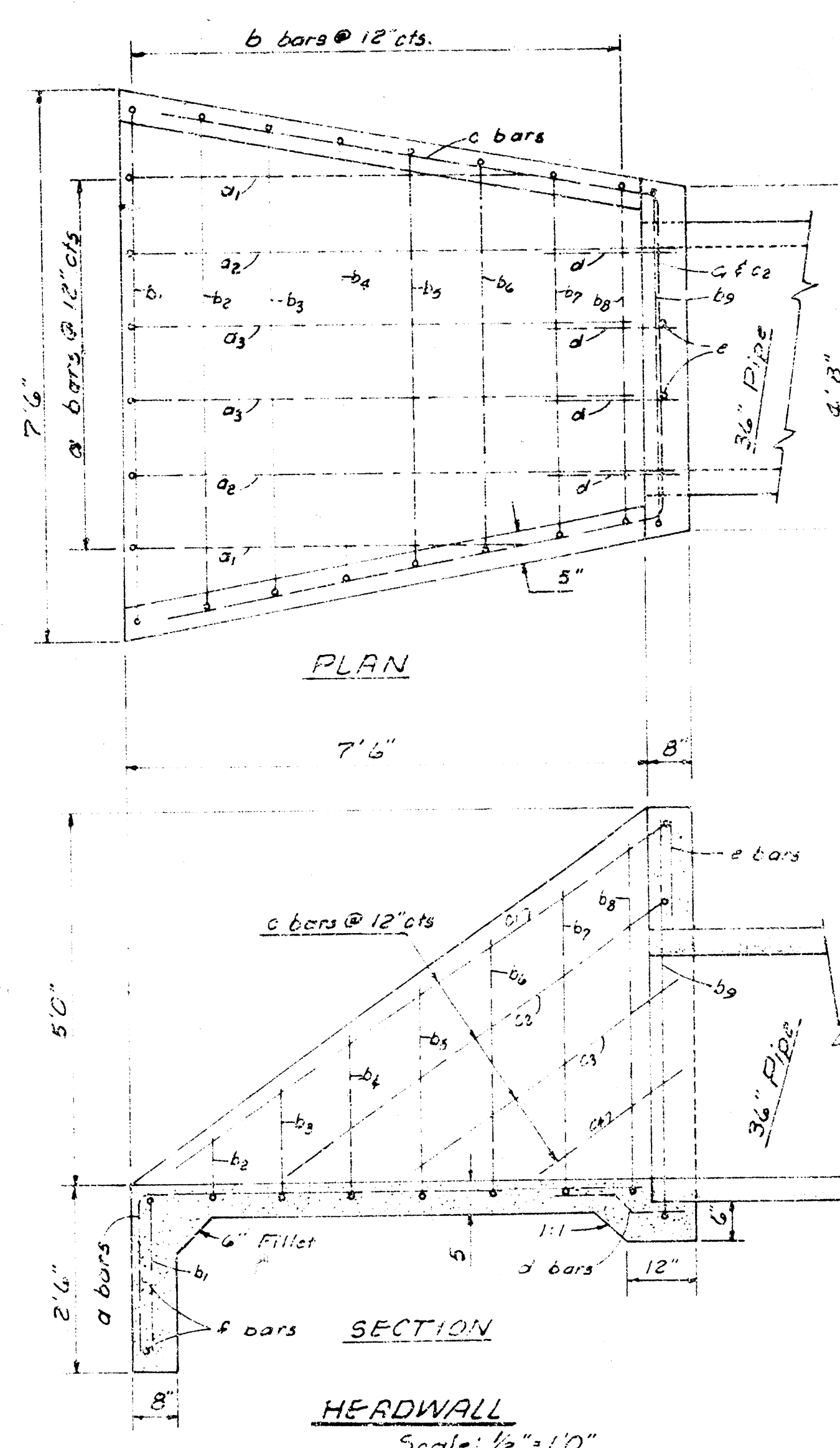
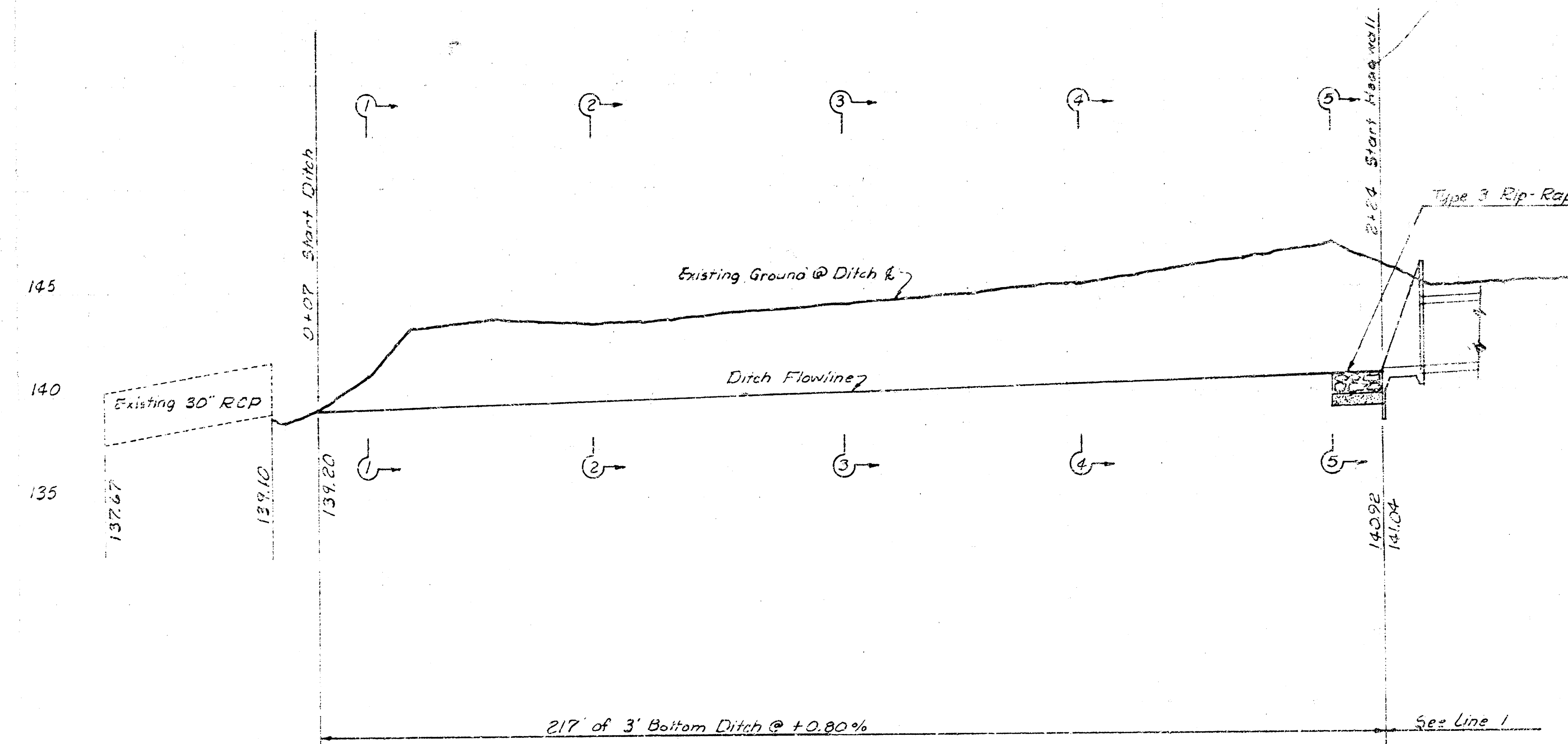
EARTHWORK ON THIS SHEET TO BE PAID FOR AS LUMP SUM
BID FOR "OUTLET DITCH". USING DITCH SECTIONS AS
SHOWN, THE DOUBLE END AREA EARTHWORK IS 528 C.Y.

Scale: 1"=20'

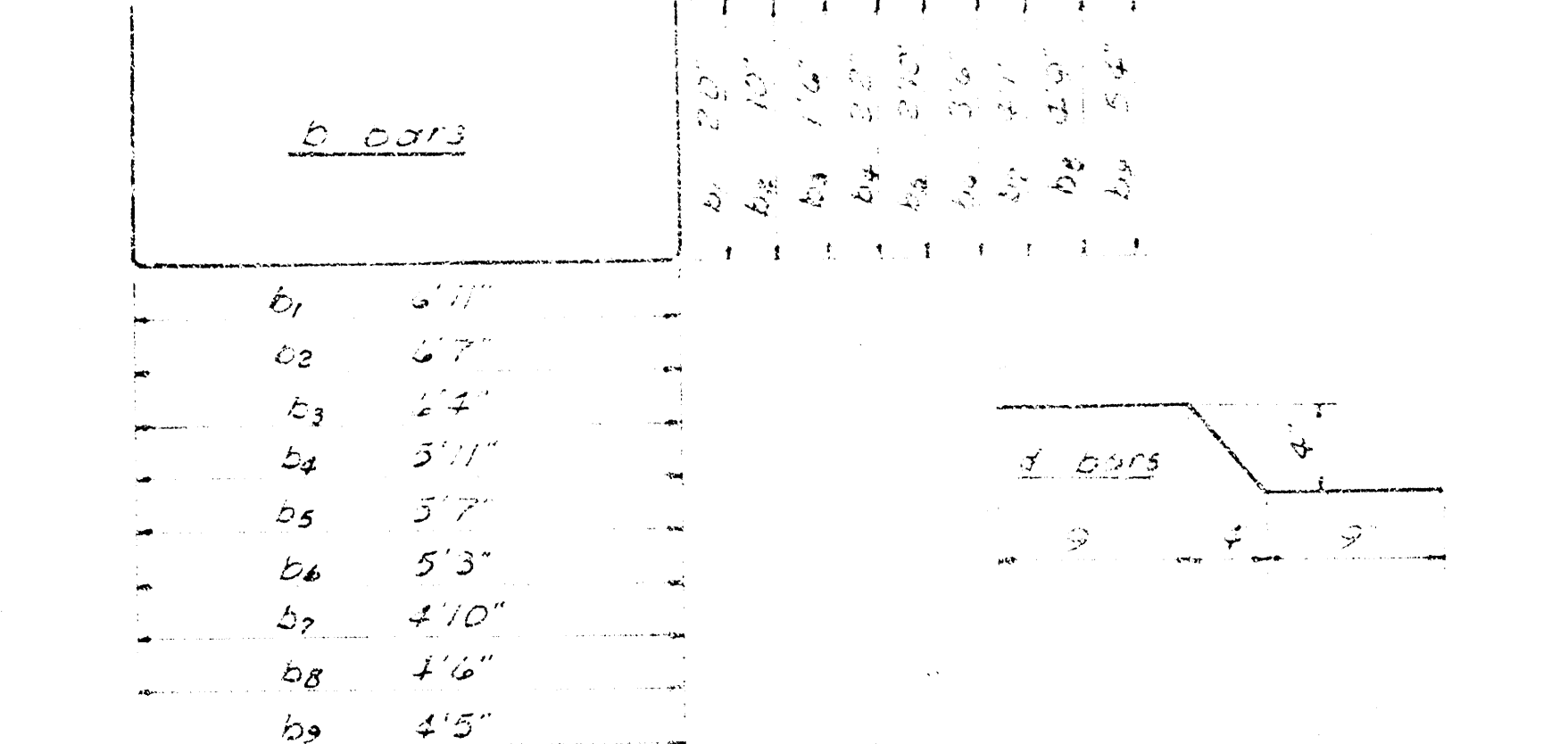
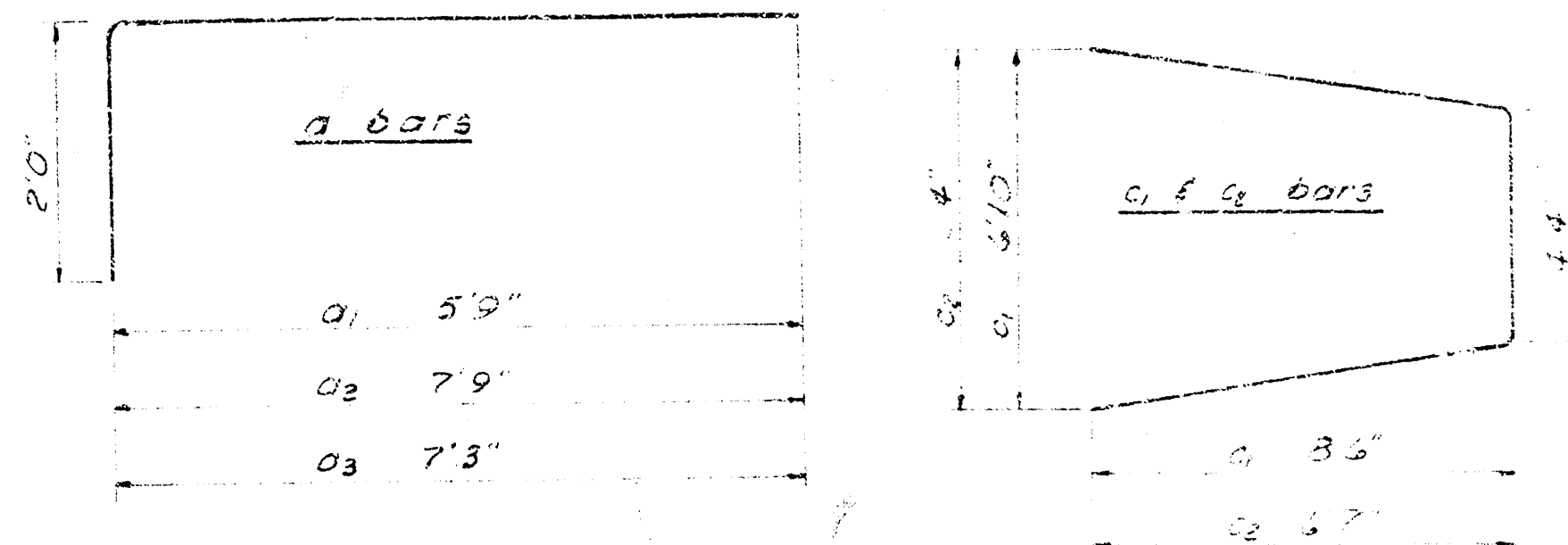
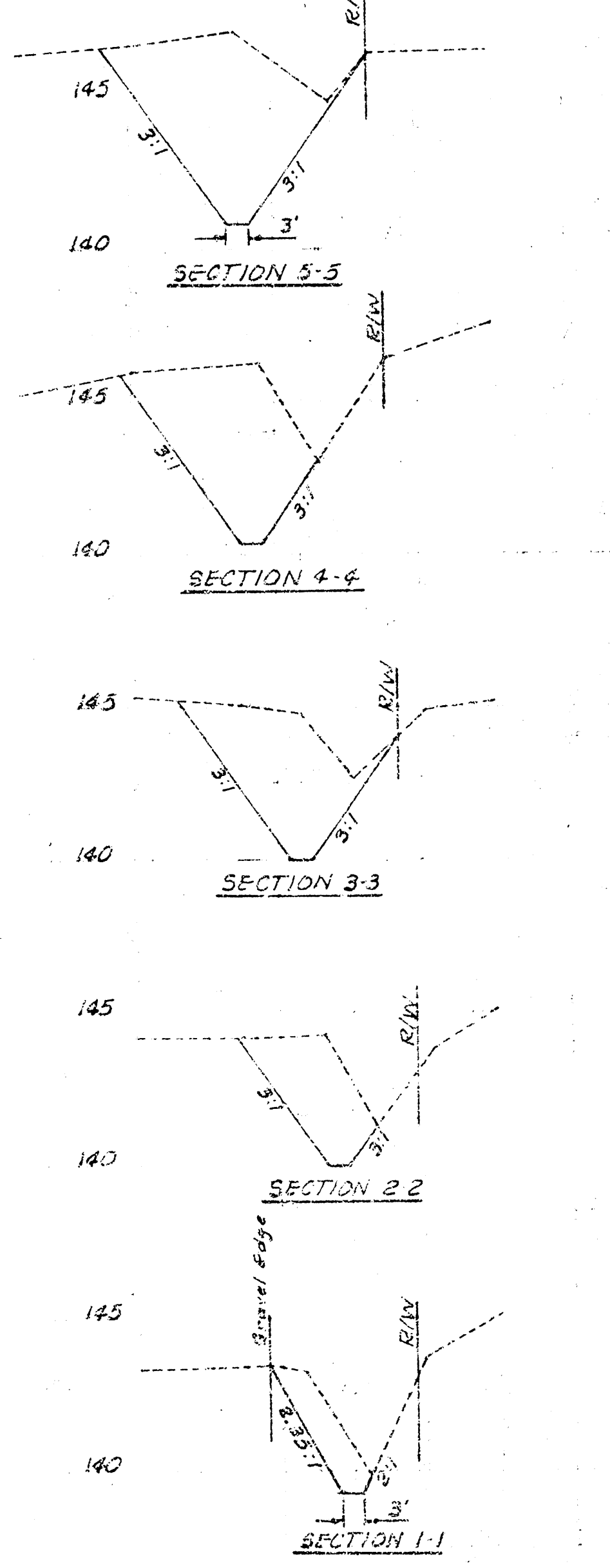


TYPE 3 RIP-RAP SHALL BE 12" BLANKET OF ROCK RIP-RAP ON 6" SAND AND GRAVEL BEDDING. THE ROCK FOR RIP-RAP AND GRAVEL SHALL BE HARD, DENSE, DURABLE AND SHOULD BE REASONABLY WELL GRADED. THE SIZE RANGE OF ROCK SHALL HAVE A MAXIMUM SIZE OF 1 CUBIC FOOT AND A MINIMUM SIZE OF 1/2 INCHES. THE 6" SAND AND GRAVEL BEDDING FOR RIP-RAP SHOULD BE A CONTINUOUS LAYER OF SAND AND GRAVEL OR SAND AND CRUSHED ROCK, REASONABLY WELL GRADED TO A MAXIMUM OF 1/2 INCHES IN SIZE.

Install 30' V. Type 3 Rip-Rap as directed by the Engineer.



HEADWALL Scale: 1/2"=1'0"



BILL OF MATERIAL		
ITEM	QUANTITY	UNIT
Concrete	2.5	CY
Reinforcing Steel	157.31	Lbs

BAR SCHEDULE					
BAR	SIZE	LENGTH	NO	SHAPE	WEIGHT
a1	#4	7' 6"	2	□	10.35
a2	#4	7' 9"	2	□	10.53
a3	#4	7' 3"	2	□	10.34
b1	#4	10' 0"	1	□	7.29
b2	#4	8' 3"	1	□	5.51
b3	#4	9' 4"	1	□	6.23
b4	#4	10' 3"	1	□	6.03
b5	#4	11' 3"	1	□	7.52
b6	#4	12' 3"	1	□	8.19
b7	#4	13' 5"	1	□	9.40
b8	#4	14' 5"	1	□	9.89
b9	#4	15' 1"	1	□	10.03
c1	#4	27' 6"	1	□	14.34
c2	#4	17' 3"	1	□	11.80
c3	#4	8' 6"	2	□	6.01
c4	#4	2' 6"	2	□	3.34
d	#4	2' 0"	2	□	5.34
e	#4	1' 1"	2	□	1.28
f	#4	1' 0"	2	□	1.35