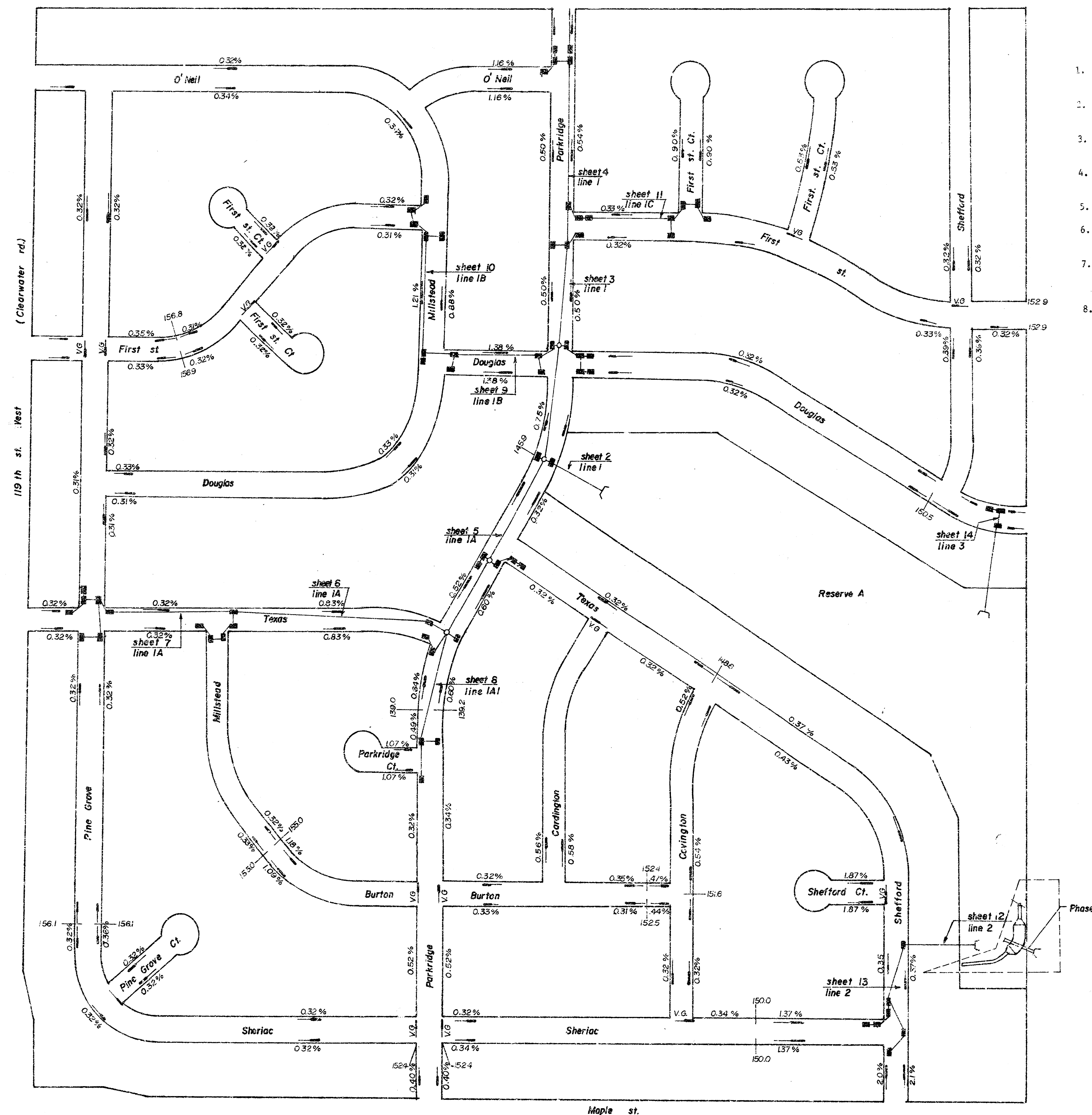
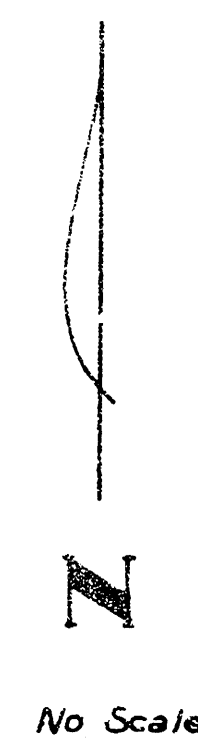


STORM WATER SEWER NO. 147, PHASE I

City of Wichita, Kansas
Dean Sellers Acting City Engineer



GENERAL NOTES

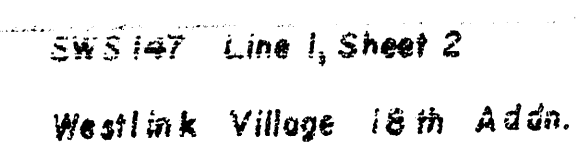
1. CONTRACTOR SHALL COORDINATE WORK WITH PAVING AND SANITARY SEWER CONTRACTORS; AND CONTACT RELEVANT UTILITY COMPANIES AND OTHER AGENCIES INVOLVED WITH THE FINE ARTS OF THIS PROJECT SITE DEVELOPMENTS.
2. FIELD ENGINEER SHALL TAKE TIE-INS ON ALL IRONS AND TRIMMIES IN THE PROJECT AREA PRIOR TO CONSTRUCTION. FIELD ENGINEER SHALL REPLACE ALL SUCH IRONS AND TRIMMIES DISTURBED DURING CONSTRUCTION.
3. THE CURB INLET LOCATIONS AS NOTED ON THE PLANS MAY VARY FROM PROPOSED PAVING PLANS. THE FIELD ENGINEER SHALL LOCATE CURB INLETS WITH REFERENCE TO PROPOSED PAVING PLANS OF THE PERTINENT STREETS.
4. CORRUGATED METAL PIPES FOR SIZES 24" AND LESS DIAMETER SHALL HAVE RIBBED CORRUGATIONS, AND ALL SUCH PIPES FOR SIZES 24" AND LARGER DIAMETER SHALL HAVE FULLY PAVED (FP) SMOOTH FLOW INTERIORS.
5. ALL CONCRETE SHALL BE "6-SACK CONCRETE" UNLESS OTHERWISE NOTED.
6. EARTHWORK DOWNSTREAM FROM HEADWALLS AND FOR RIP-RAP SHALL BE AND FOR IN ITEMS BID FOR HEADWALLS, PIPES AND/OR RIP-RAP.
7. HEADWALLS AT PIPE OUTFALL SHALL BE CONSTRUCTED TO ALIGN WITH THE STATE OF BANKS IN ORDER THAT WALL PROTRUSION IS MINIMUM. WHERE SUCH PROTRUSION CANNOT BE AVOIDED, FILL AROUND THE WALLS AT APPROXIMATELY 5:1 SIDE SLOPE SO HEADWALL APPEARS ENTIRELY RECESSED.
8. CONTRACTOR HAS THE OPTION TO INSTALL PRE-CAST TYPE I-A CURB INLET IN LIEU OF THE BRICK TYPE CONSTRUCTION; SEE STANDARD DETAIL PRE-CAST TYPE I-A INLET DATED AUGUST, 1979.

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Sewer Appurtenances	16
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Type IA Curb Inlet	Detail 18
Headwall	Detail 19

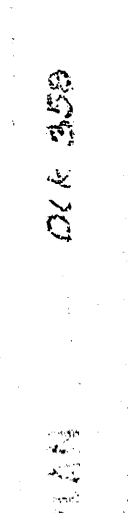
Westlink Village 18th Addition
City of Wichita, Kansas
D. Sellers Acting City Engineer
Date _____
Proj. no 468-76-245-80643-000-000-001

N 
Scale: 1" = 20'



N  **Scale 1"=20'**

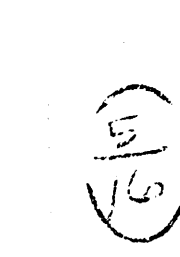




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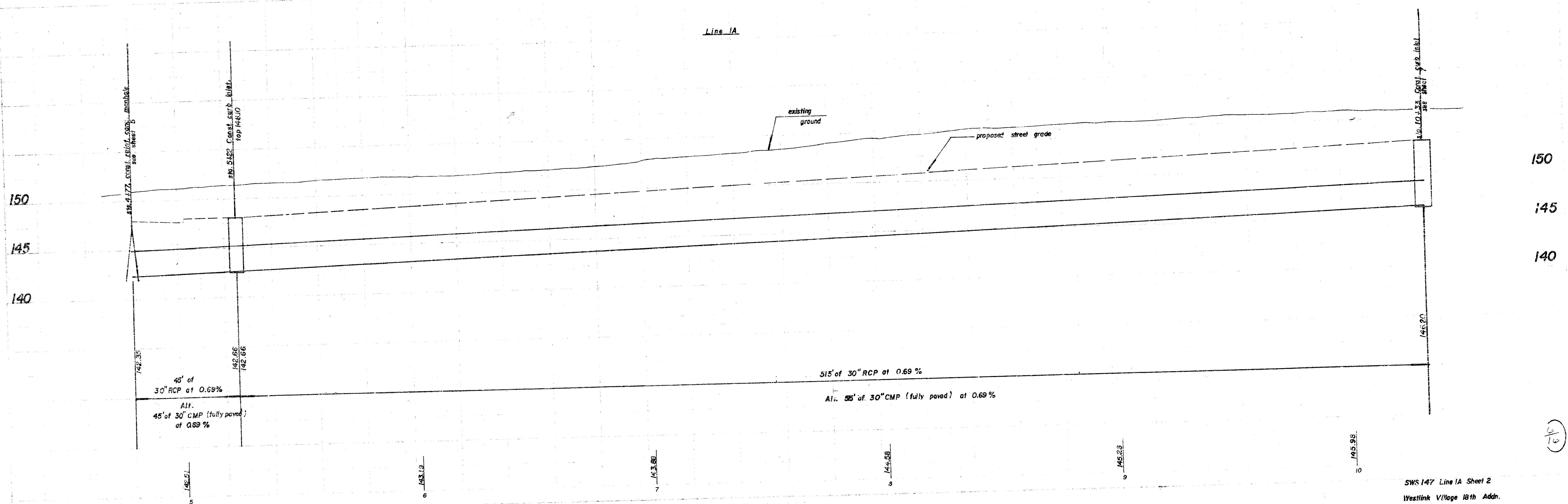
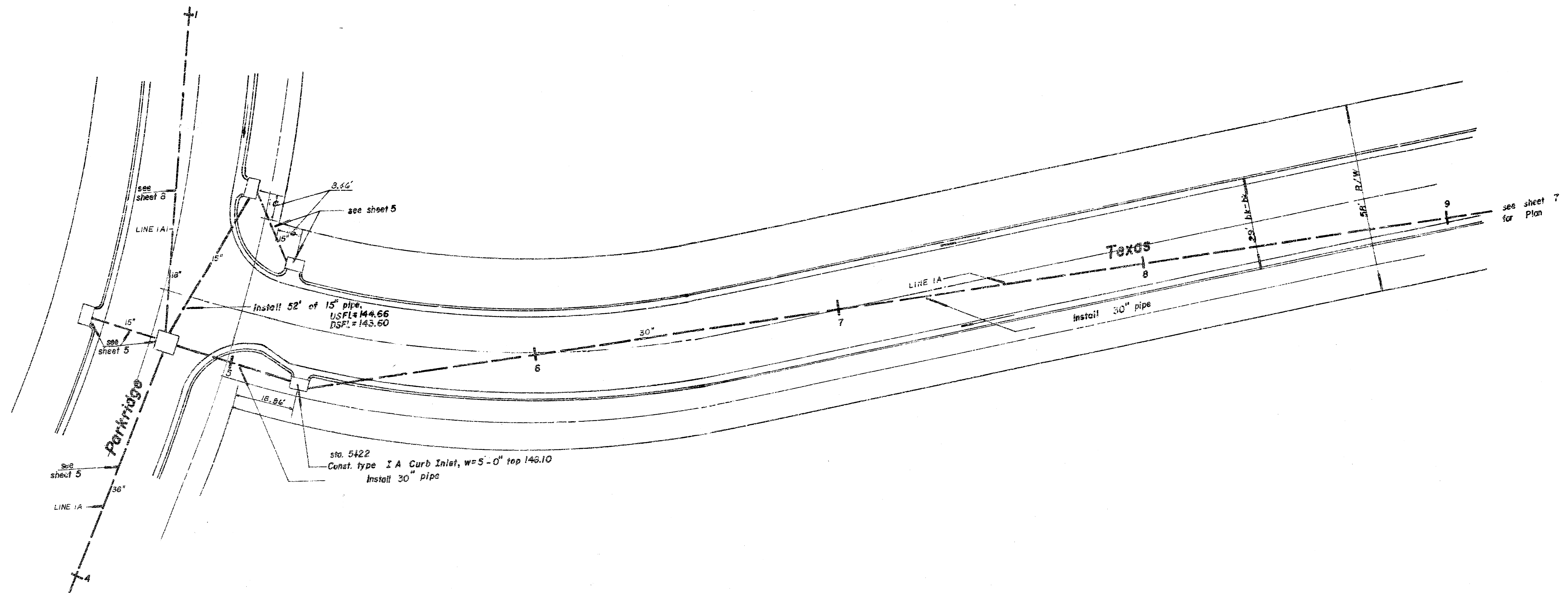
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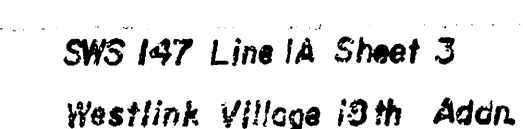


Note: for bench mark, see pg 2

Scale 1" = 20'

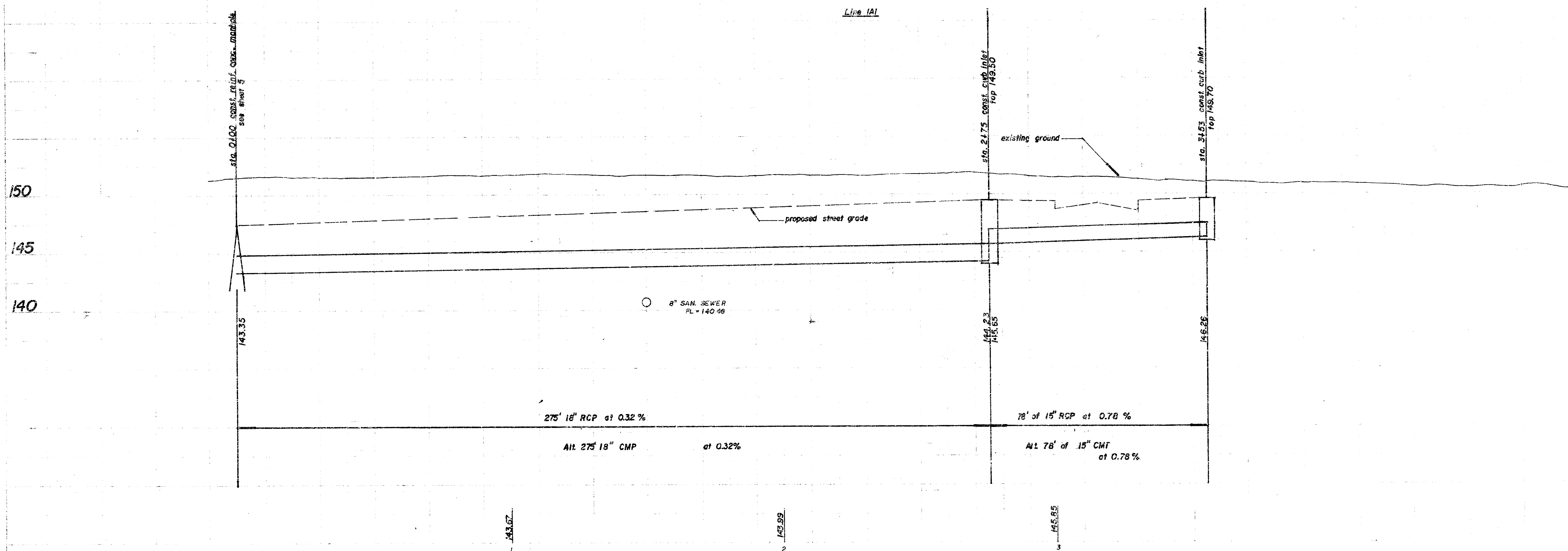
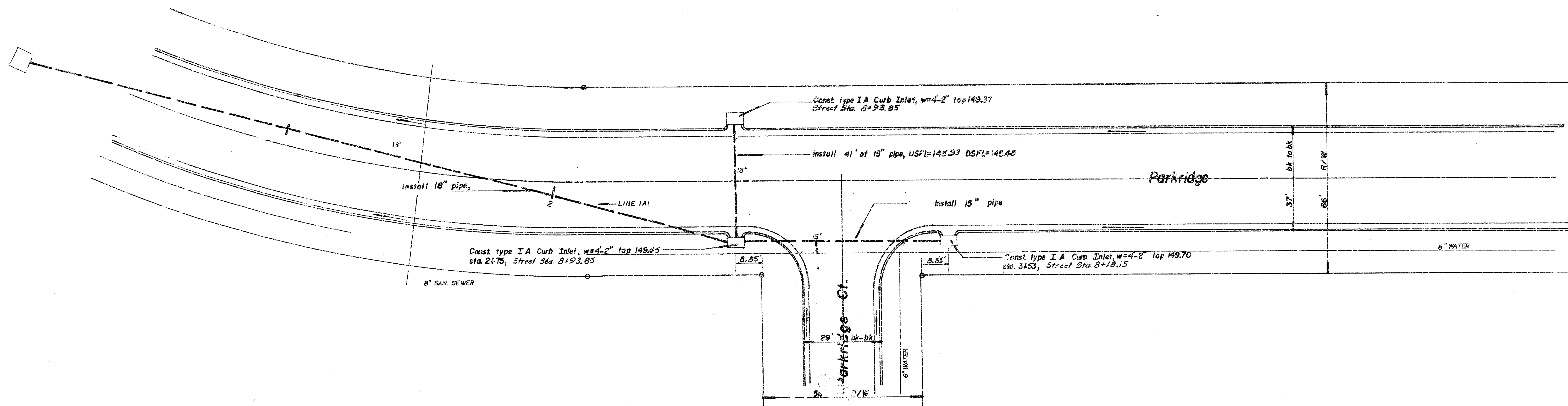


Scale 1"=20



Note for bench mark, see pg 2

Scale: 1" = 20'

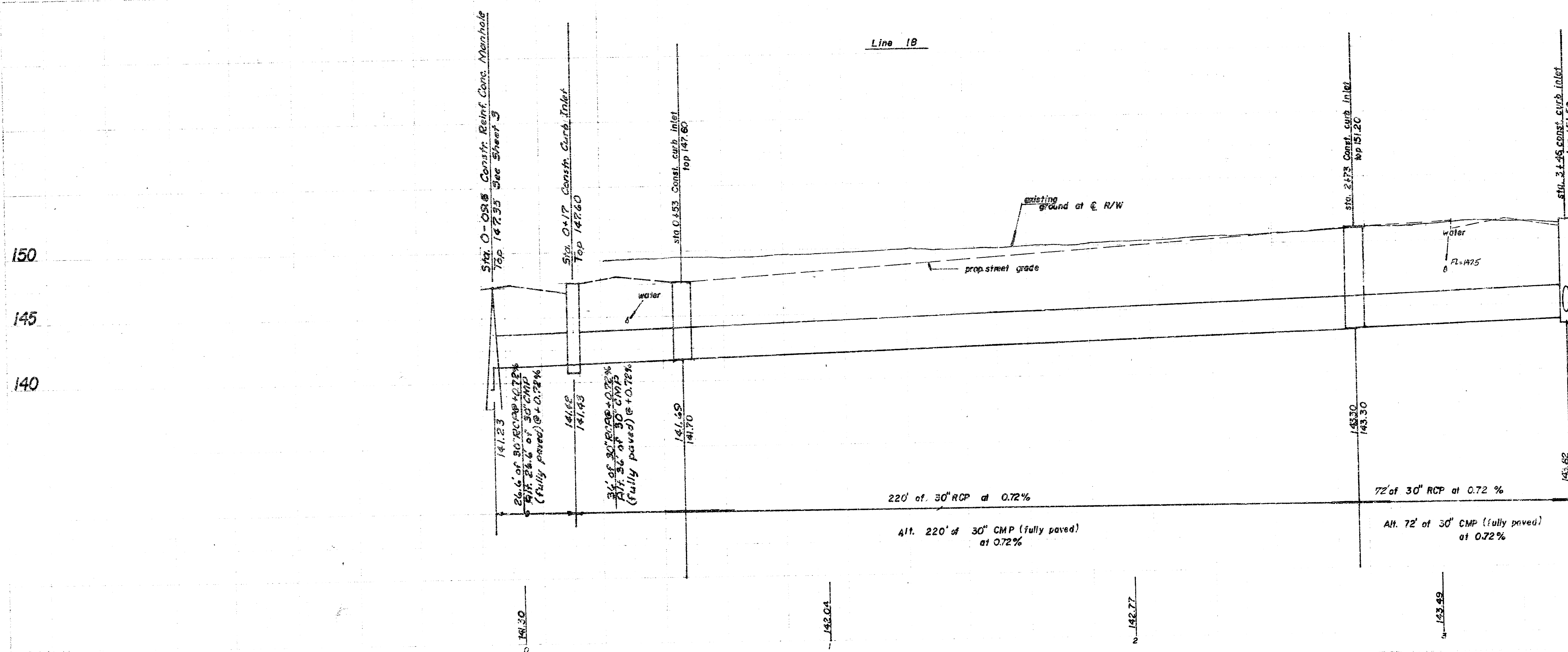
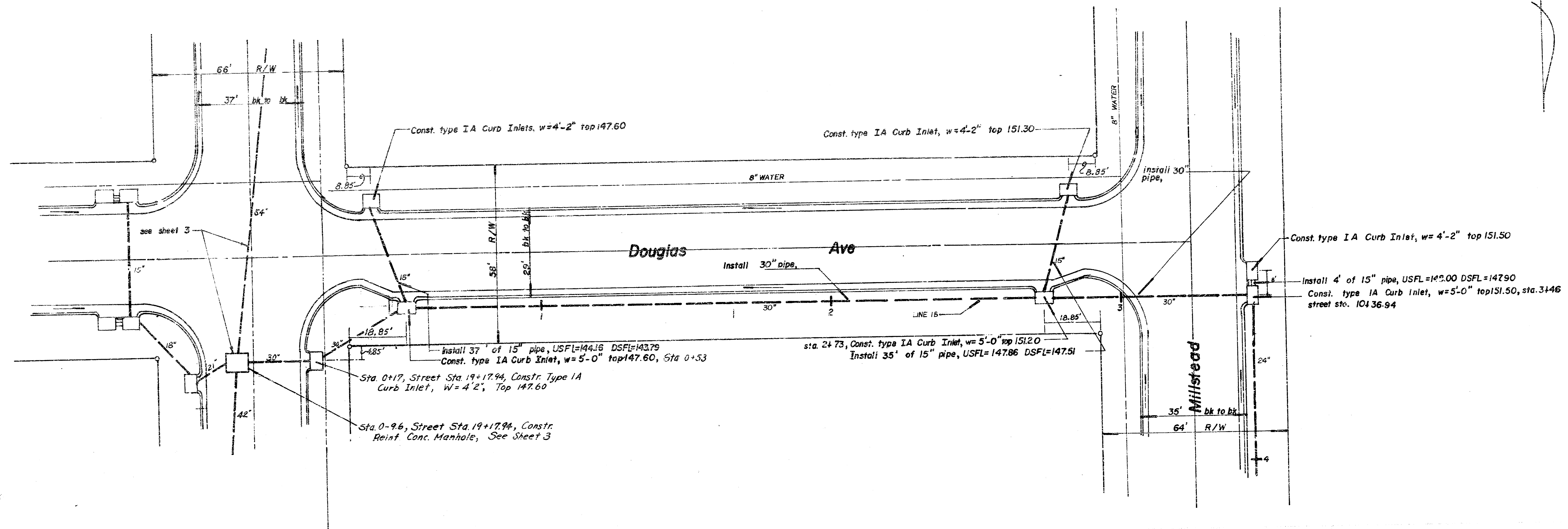


8/16

Note: for bench mark, see pg 2

Scale 1"=20'

N



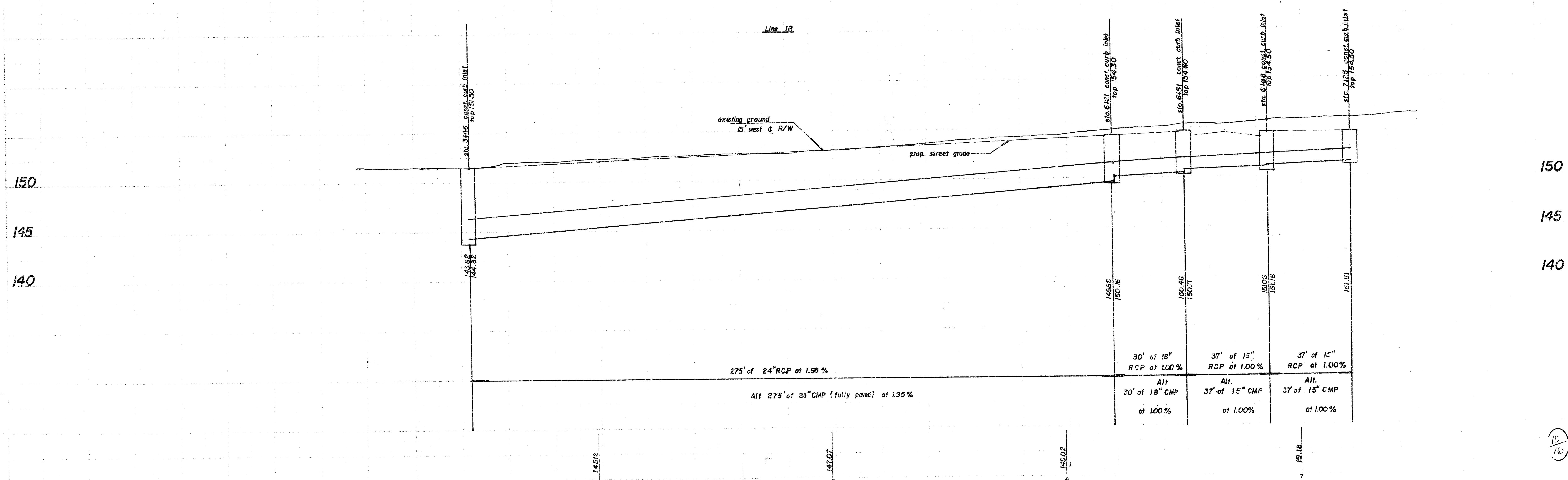
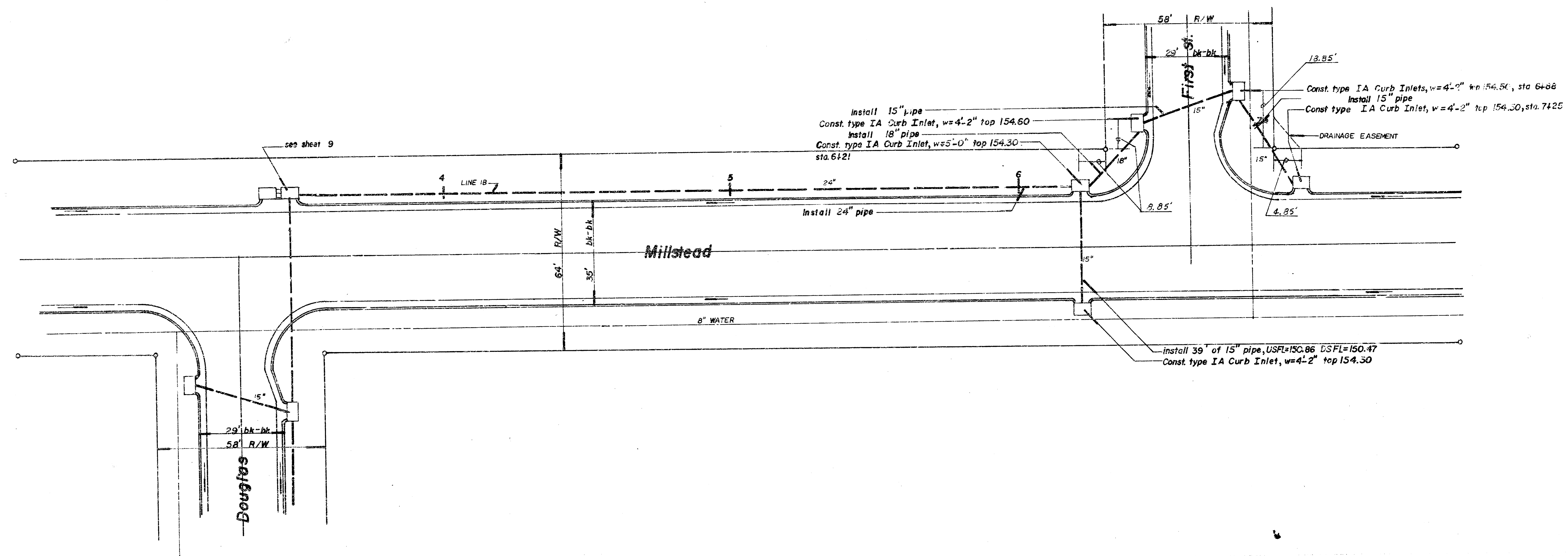
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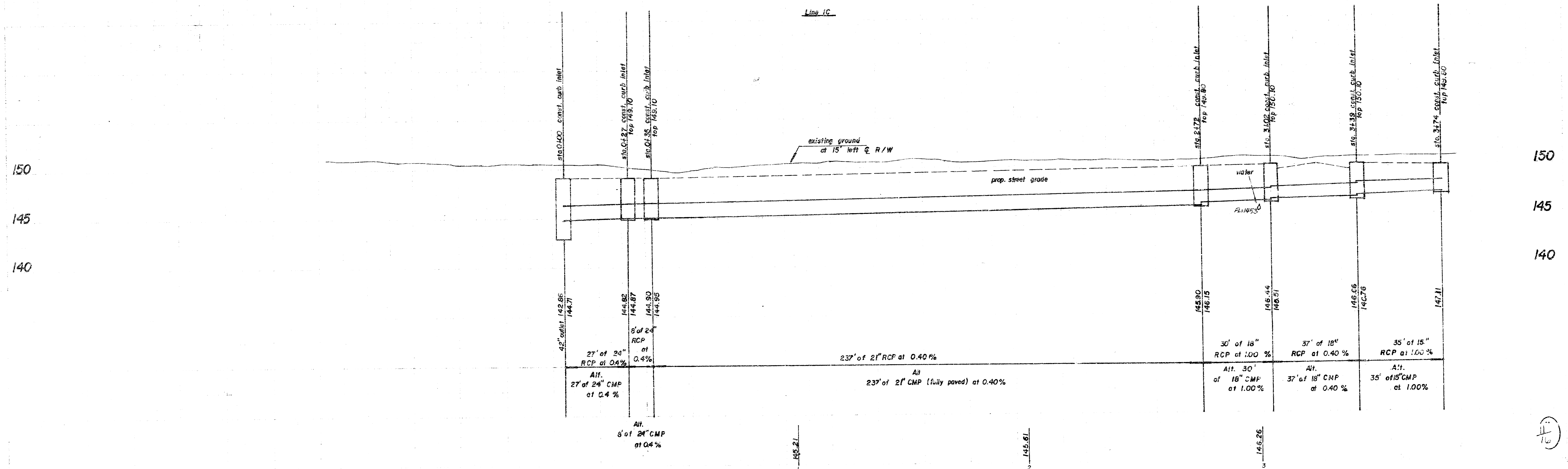
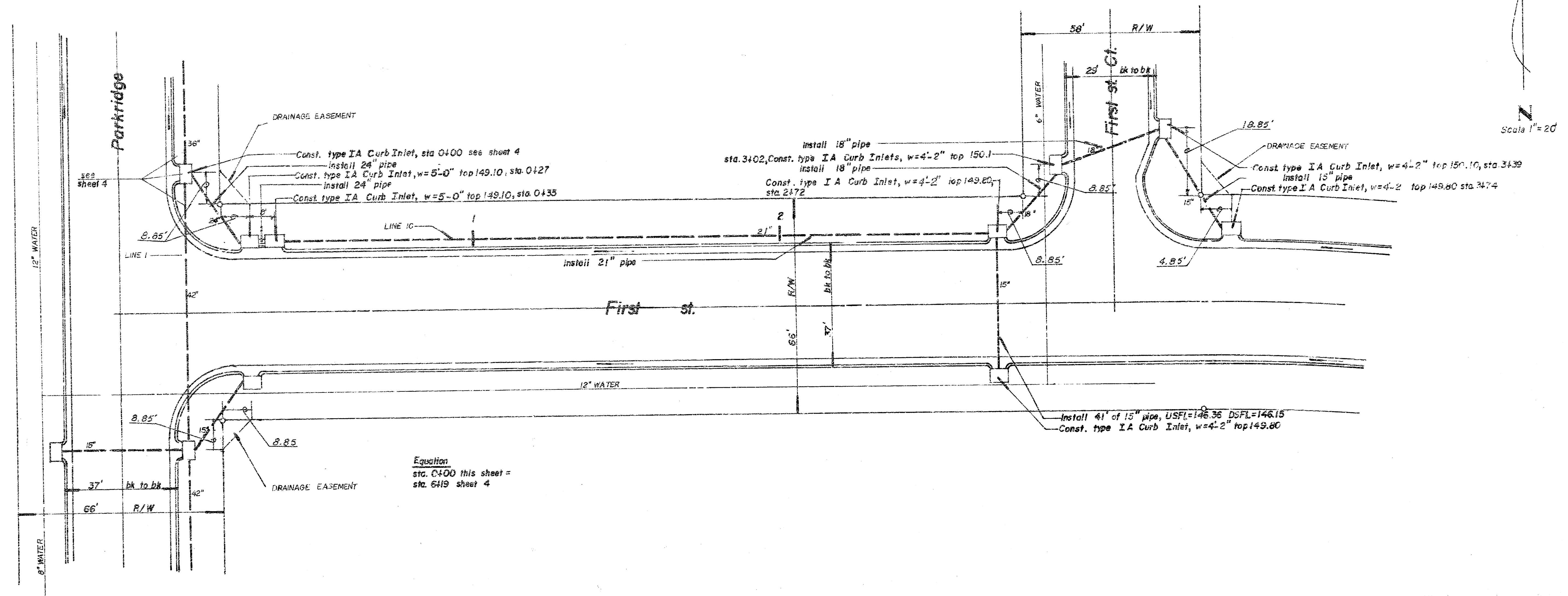
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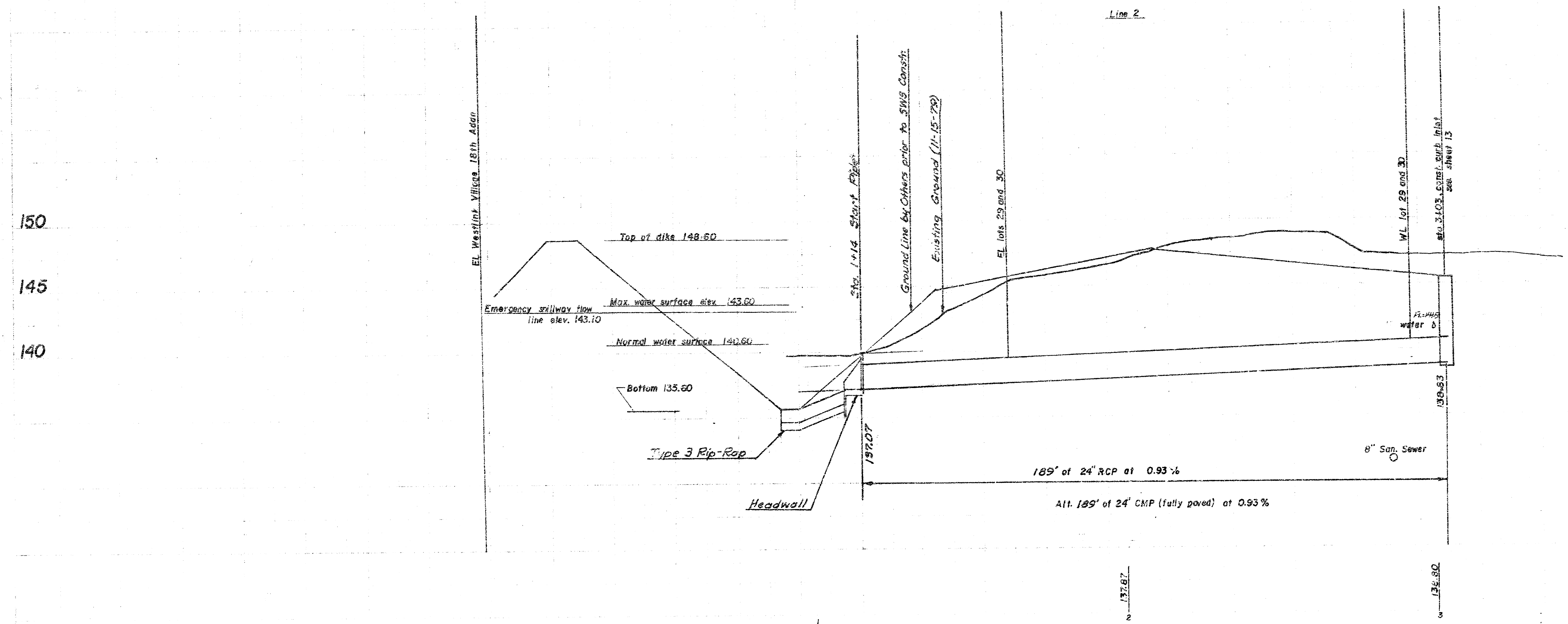
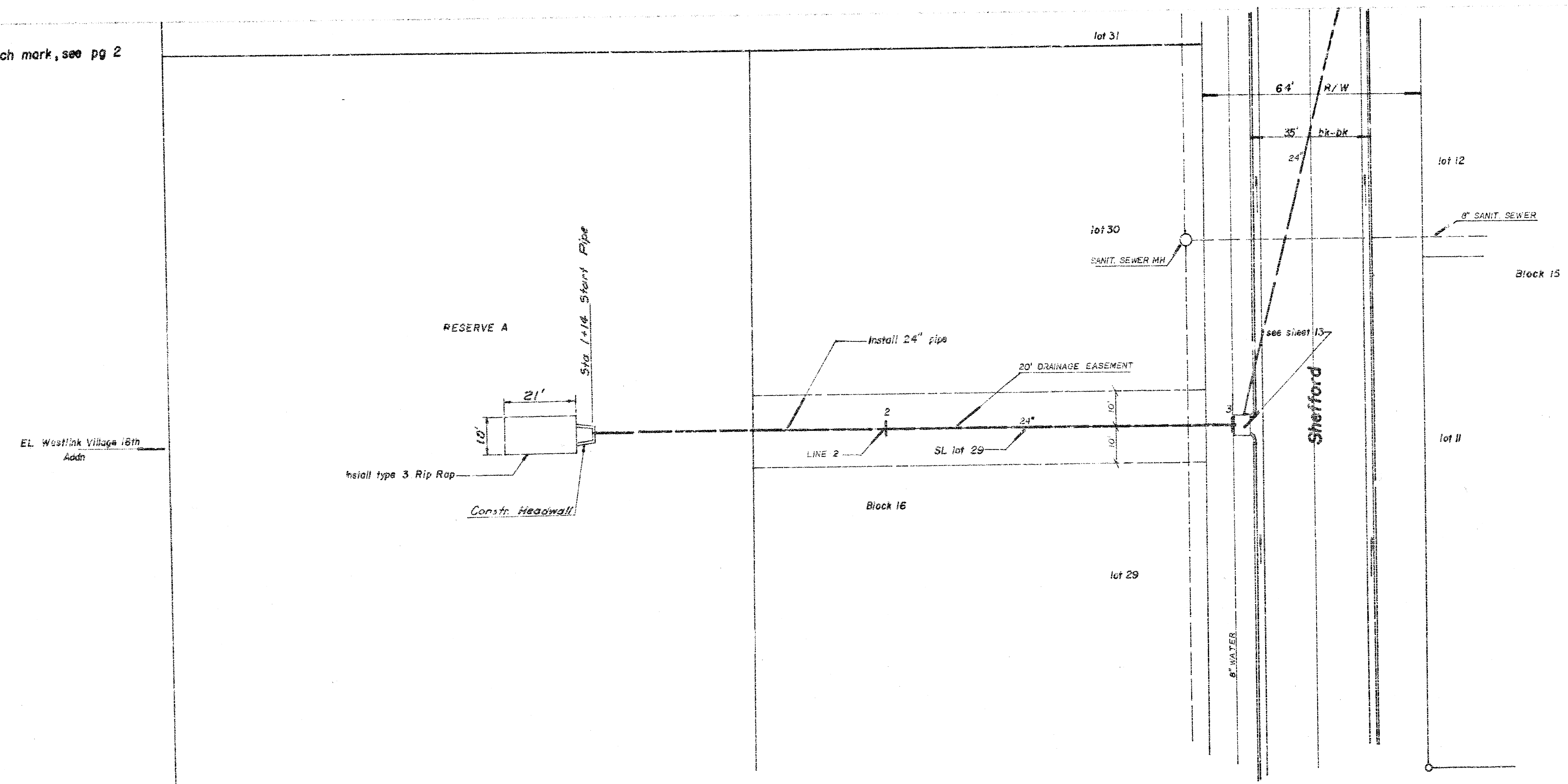


Note: for bench mark, see pg 2



Note: for bench mark, see pg 2

Scale 1" = 20'

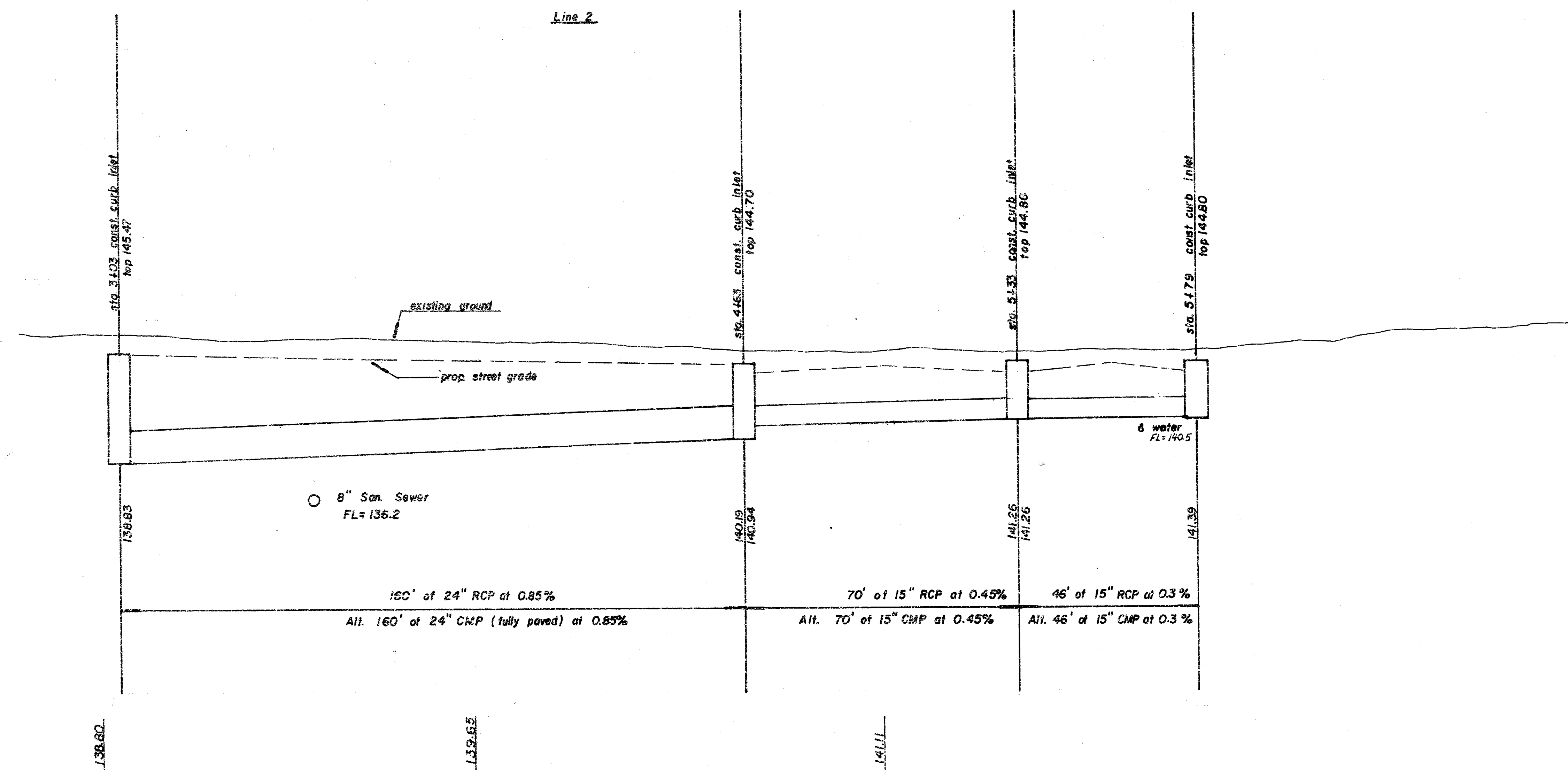
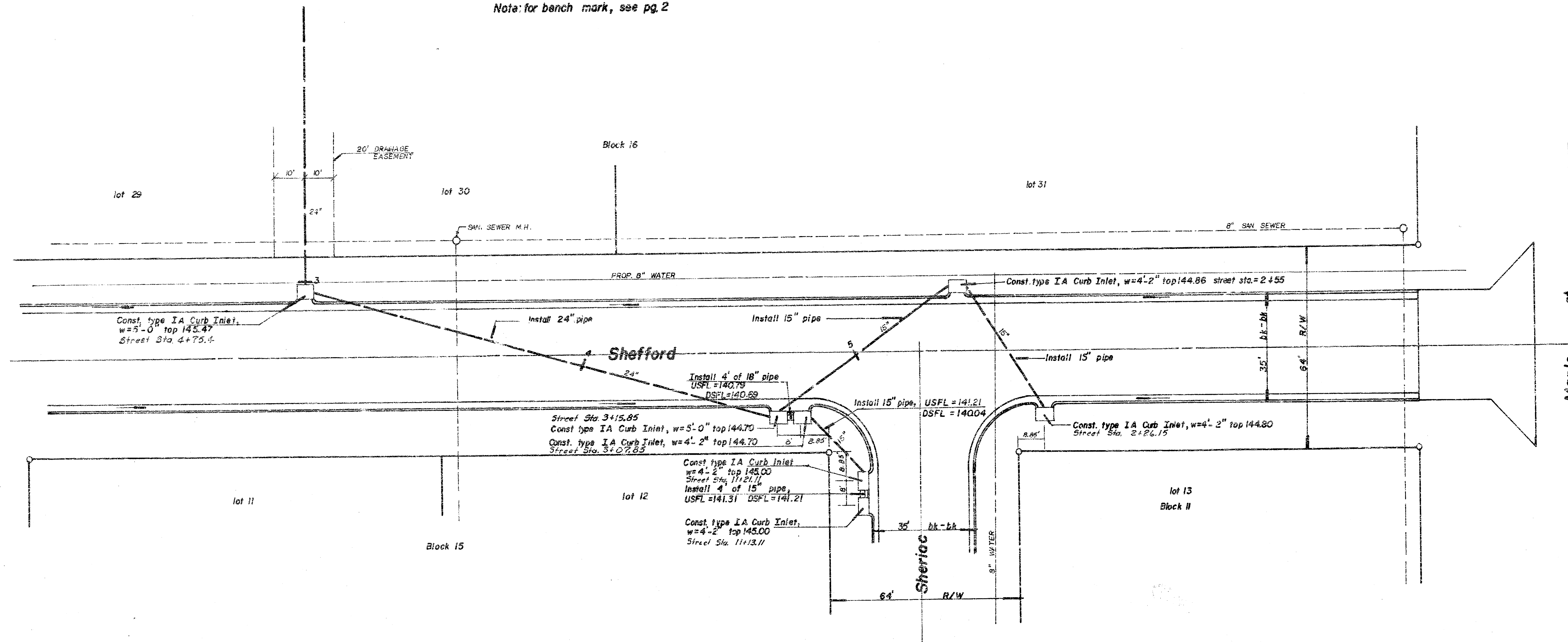


150
145
140

12/16

Note: for bench mark, see pg. 2

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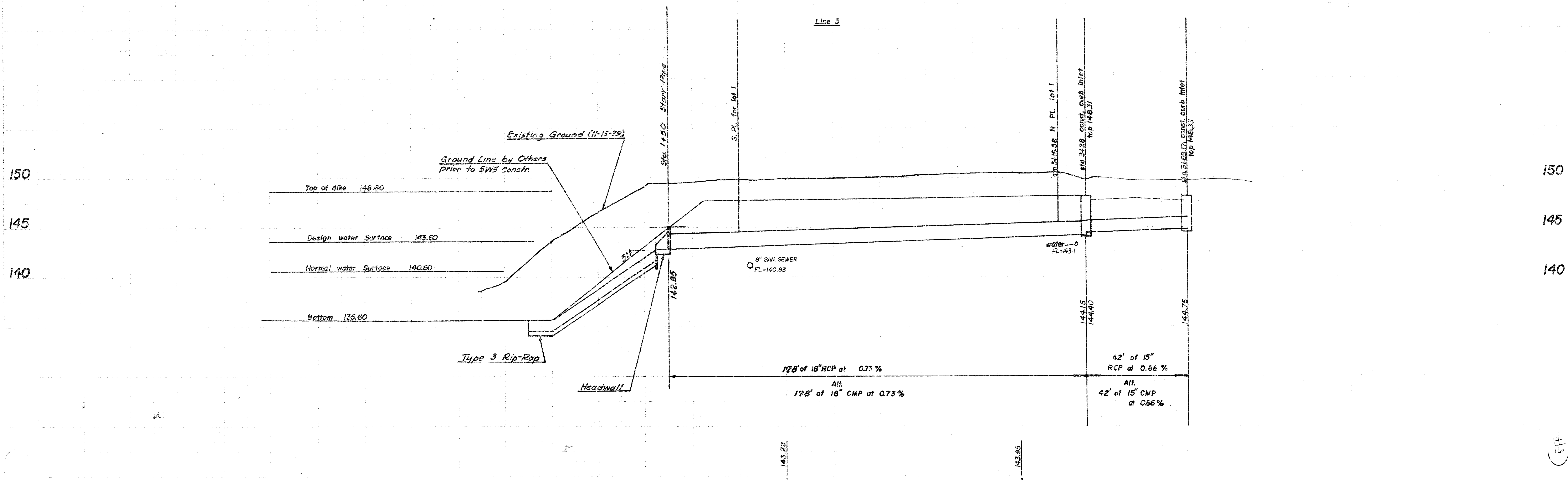
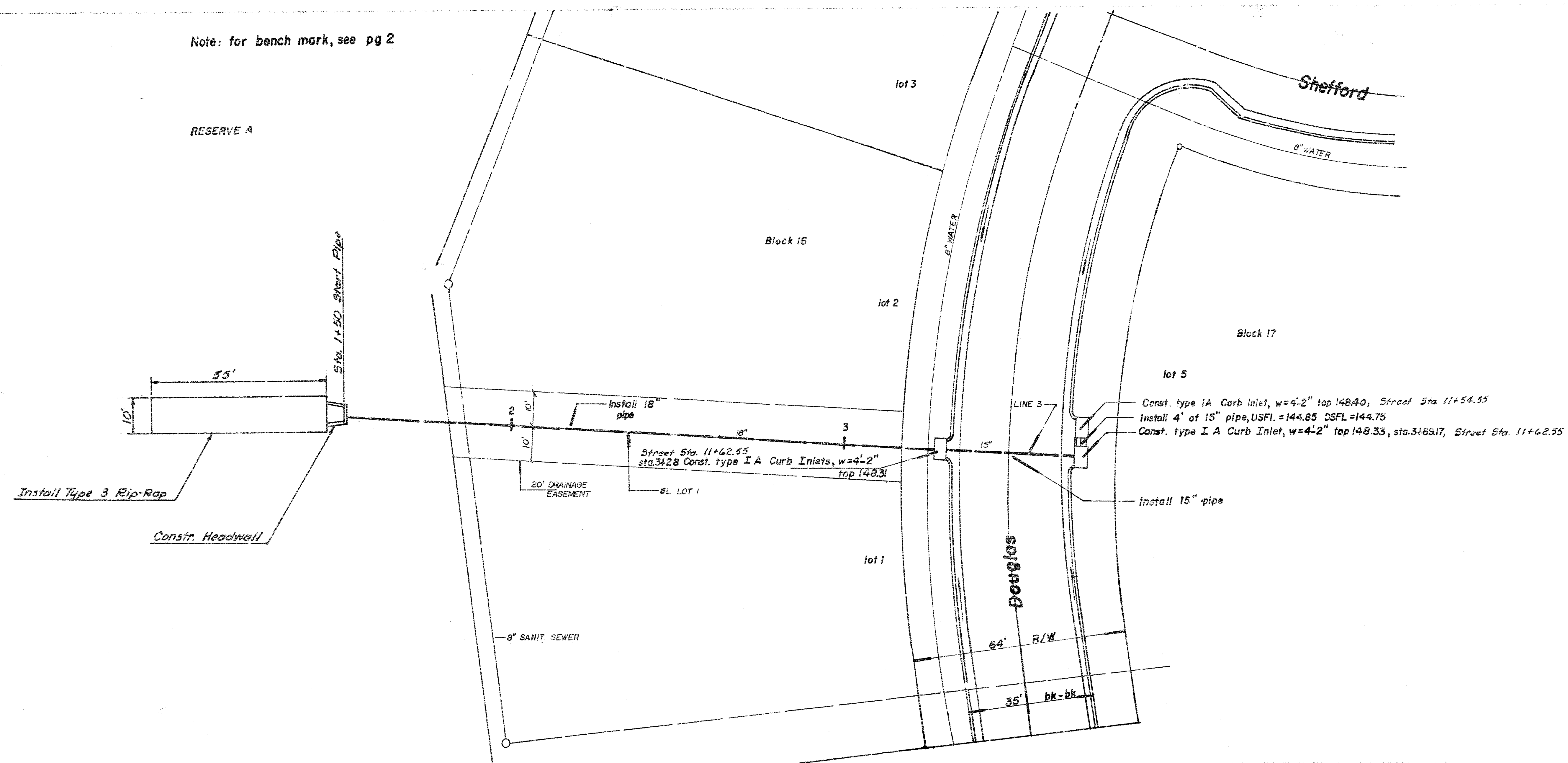


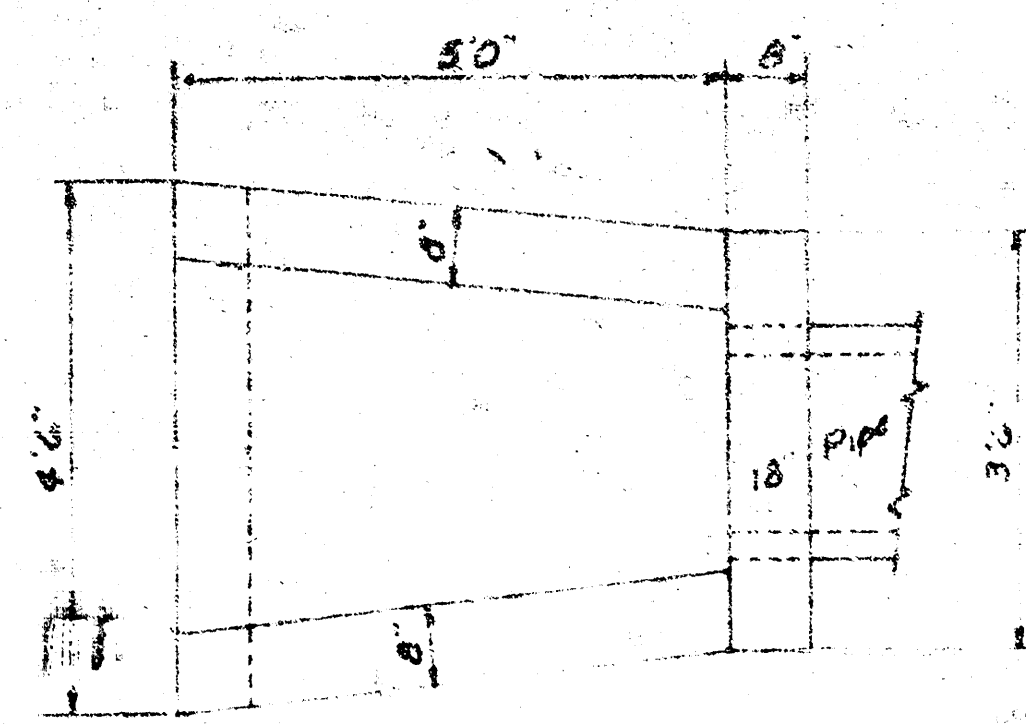
D/L 372

500' 1"=20'

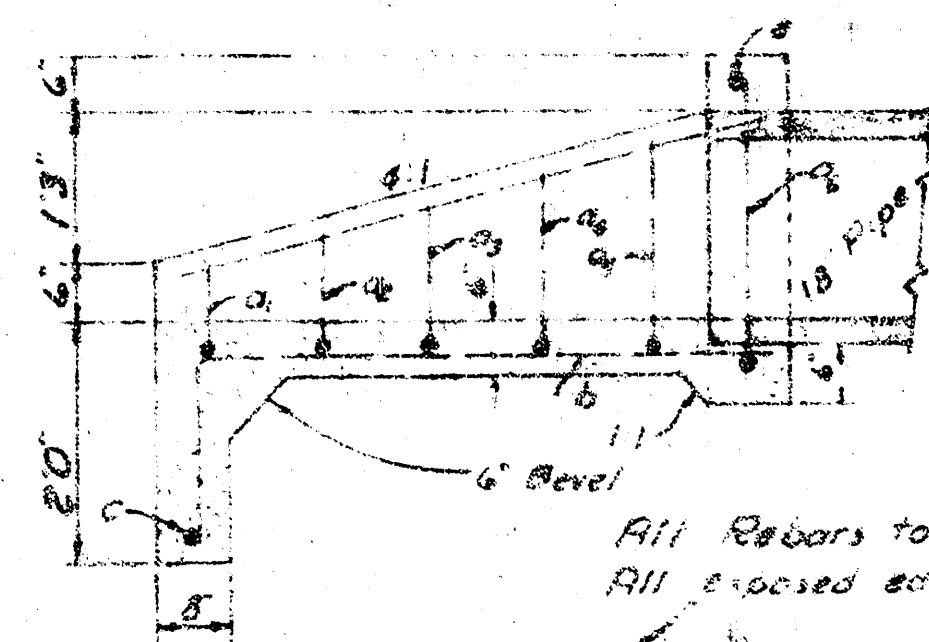
Note: for bench mark, see pg 2

RESERVE A



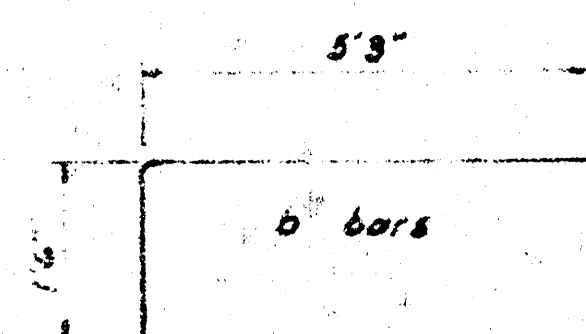


PLAN
Scale 1/2" = 1'0"



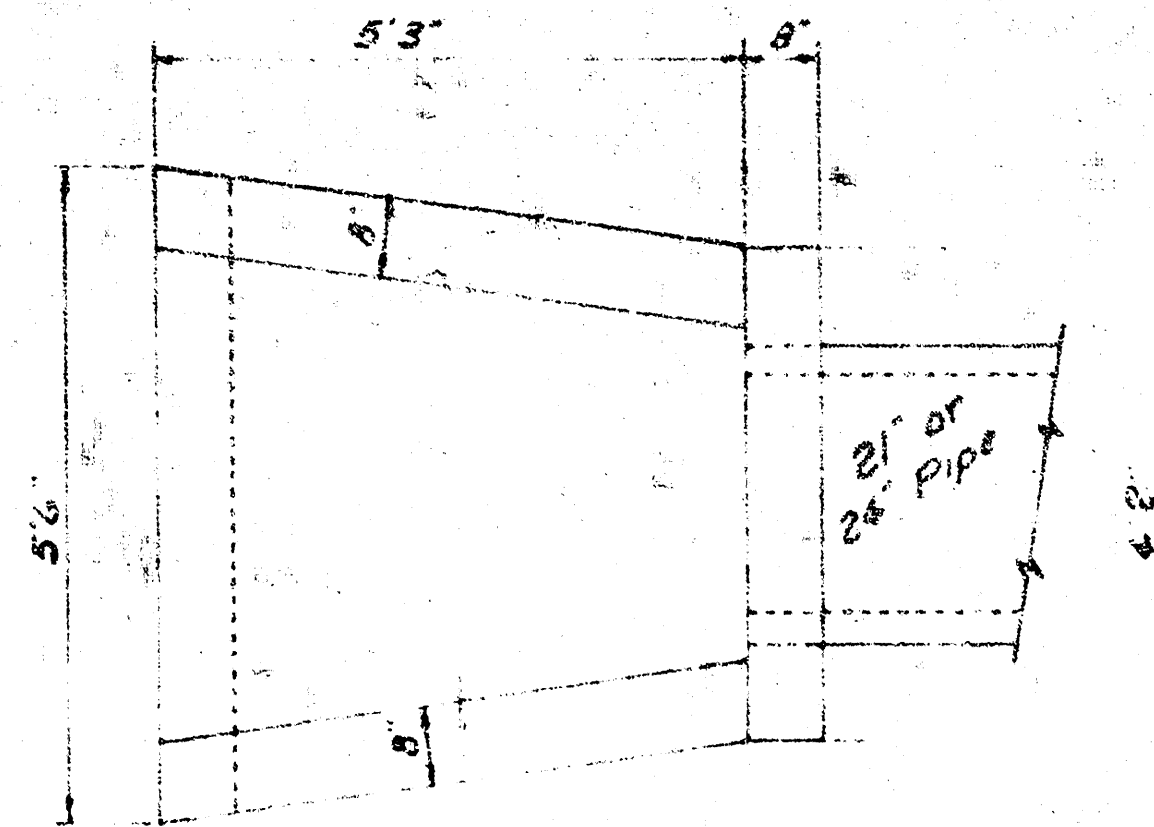
SECTION
Scale 1/2" = 1'0"

a bars	
a ₁	3'4"
a ₂	3'5"
a ₃	3'4"
a ₄	3'7"
a ₅	2'11"
a ₆	2'8"

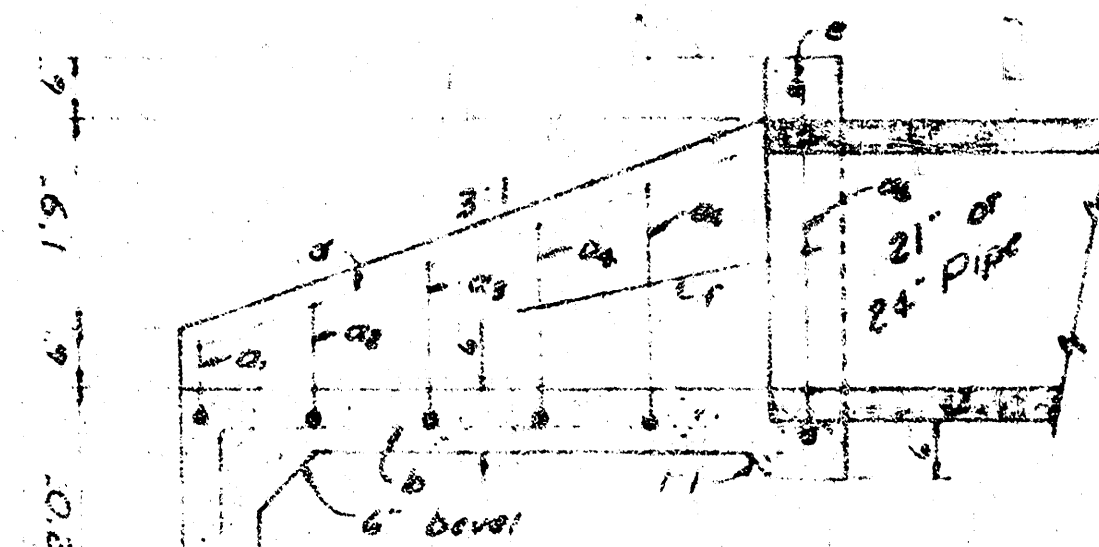


BAR	NUMBER	LENGTH	SHAPE	WEIGHT
a ₁	1	5'0"		3.34
a ₂	1	5'3"		3.51
a ₃	1	5'6"		3.67
a ₄	1	5'9"		3.94
a ₅	1	6'3"		4.18
a ₆	1	7'2"		4.79
b	5	4'9"		88.54
c	1	4'0"		2.67
d	2	5'3"		7.01
e	1	3'2"		2.12
Total Rebars, lbs.				53.57
Conc. CY.				1.08

HEADWALL FOR 18" PIPE



PLAN
Scale 1/2" = 1'0"

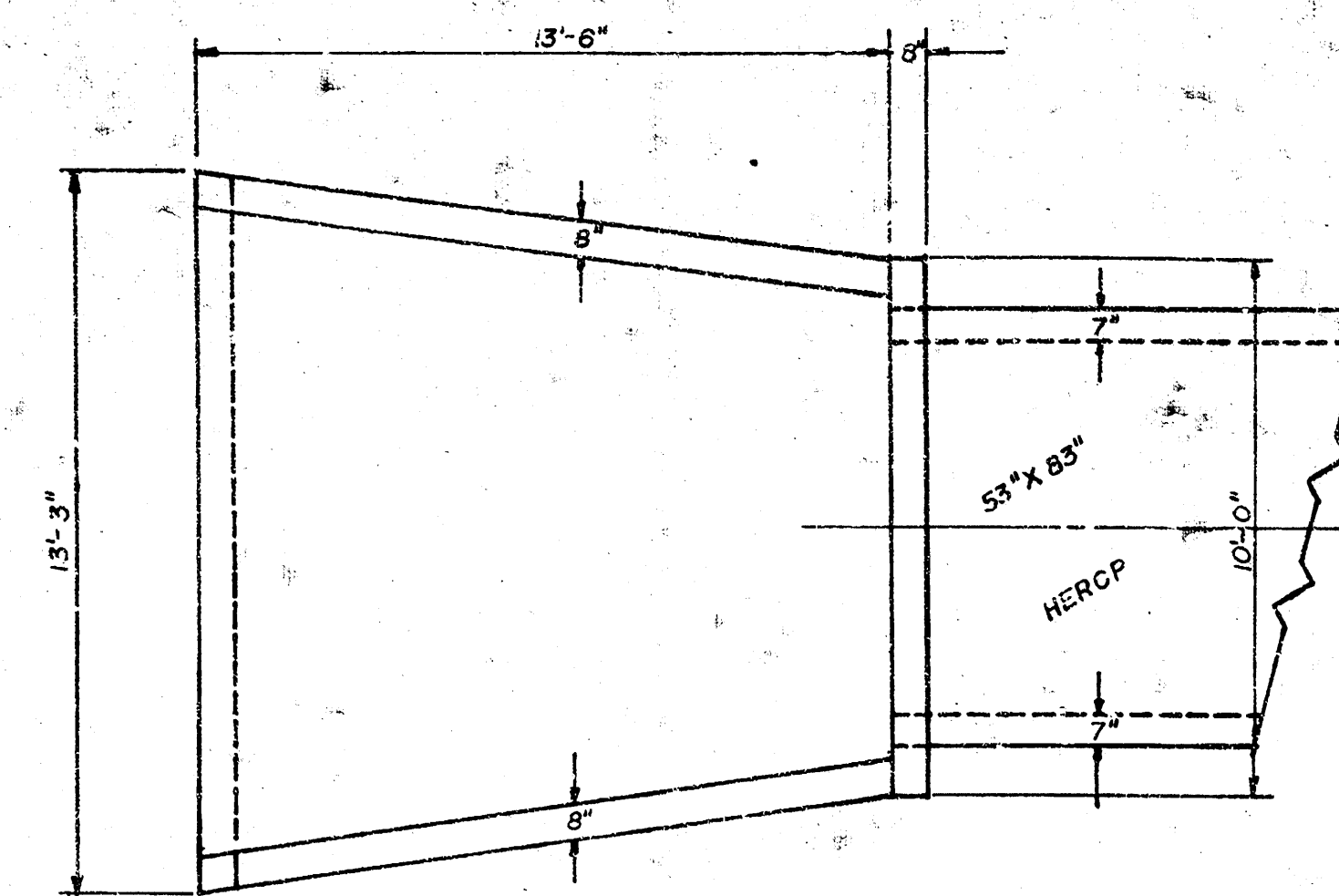


SECTION
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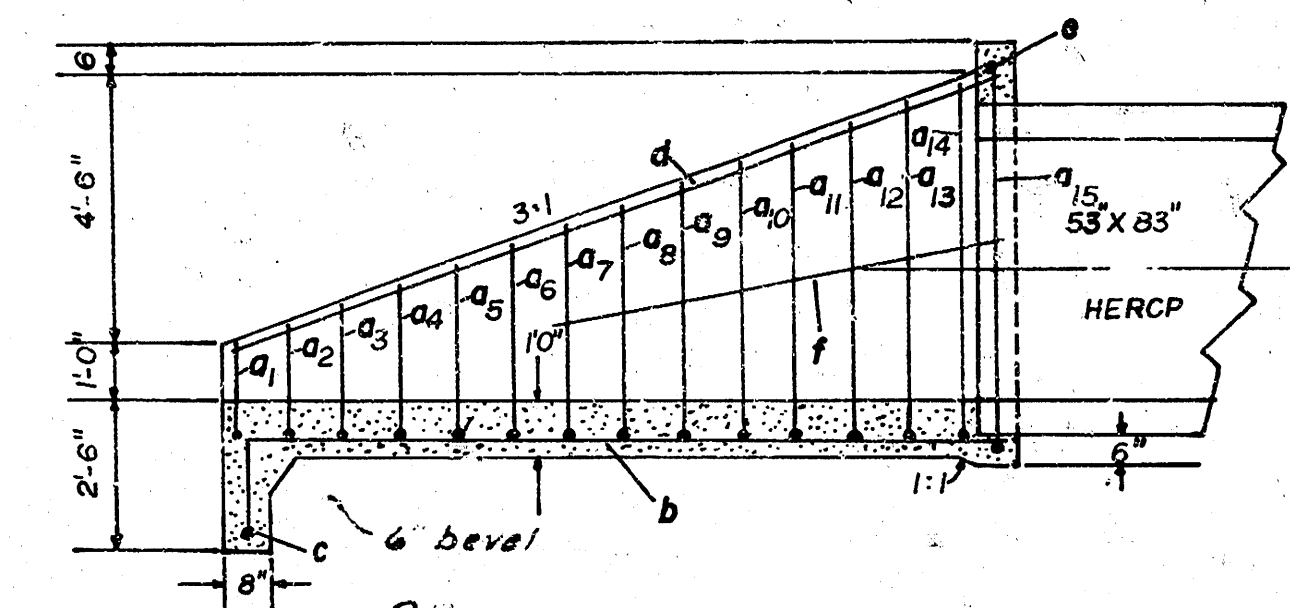
a bars	
a ₁	4'9"
a ₂	4'6"
a ₃	4'3"
a ₄	4'0"
a ₅	3'9"
a ₆	3'5"

BAR	NUMBER	LENGTH	SHAPE	WEIGHT
a ₁	1	4'1"		4.06
a ₂	1	4'4"		4.23
a ₃	1	4'9"		4.51
a ₄	1	7'2"		4.75
a ₅	1	7'7"		5.07
a ₆	1	9'5"		6.29
b	6	4'11"		87.72
c	1	5'0"		3.37
d	2	5'10"		7.79
e	1	3'10"		2.56
f	2	2'9"		3.62
Total Rebar, lbs.				76.03
Concrete, CY.				1.40

HEADWALL FOR 21" OR 24" PIPE

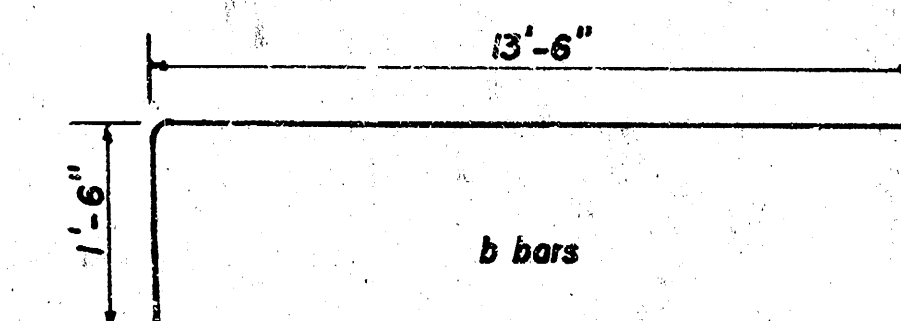


PLAN
Scale 1/4" = 1'0"



SECTION
Scale 1/4" = 1'0"

a bars	
a ₁	12'9"
a ₂	12'6"
a ₃	12'3"
a ₄	12'0"
a ₅	11'9"
a ₆	11'6"
a ₇	11'3"
a ₈	11'0"
a ₉	10'9"
a ₁₀	10'6"
a ₁₁	10'3"
a ₁₂	10'0"
a ₁₃	9'9"
a ₁₄	9'6"
a ₁₅	9'3"



BAR	NUMBER	LENGTH	SHAPE	WEIGHT
a ₁	1	15'9"		10.52
a ₂	1	16'6"		11.02
a ₃	1	16'9"		11.19
a ₄	1	17'0"		11.36
a ₅	1	17'3"		11.52
a ₆	1	18'0"		12.02
a ₇	1	18'3"		12.19
a ₈	1	18'6"		12.36
a ₉	1	19'3"		12.86
a ₁₀	1	19'6"		13.03
a ₁₁	1	19'9"		13.19
a ₁₂	1	20'6"		13.69
a ₁₃	1	20'9"		13.86
a ₁₄	1	21'0"		14.03
a ₁₅	1	22'6"		15.03
b	13	15'0"		10.02
c	1	12'9"		8.52
d	2	14'6"		9.69
e	1	9'6"		6.35
f	2	8'0"		5.34
Total Rebars, lbs.				228.79
Concrete, CY.				9.19

Headwall for 53"x83" HERCP

HEADWALL DETAILS