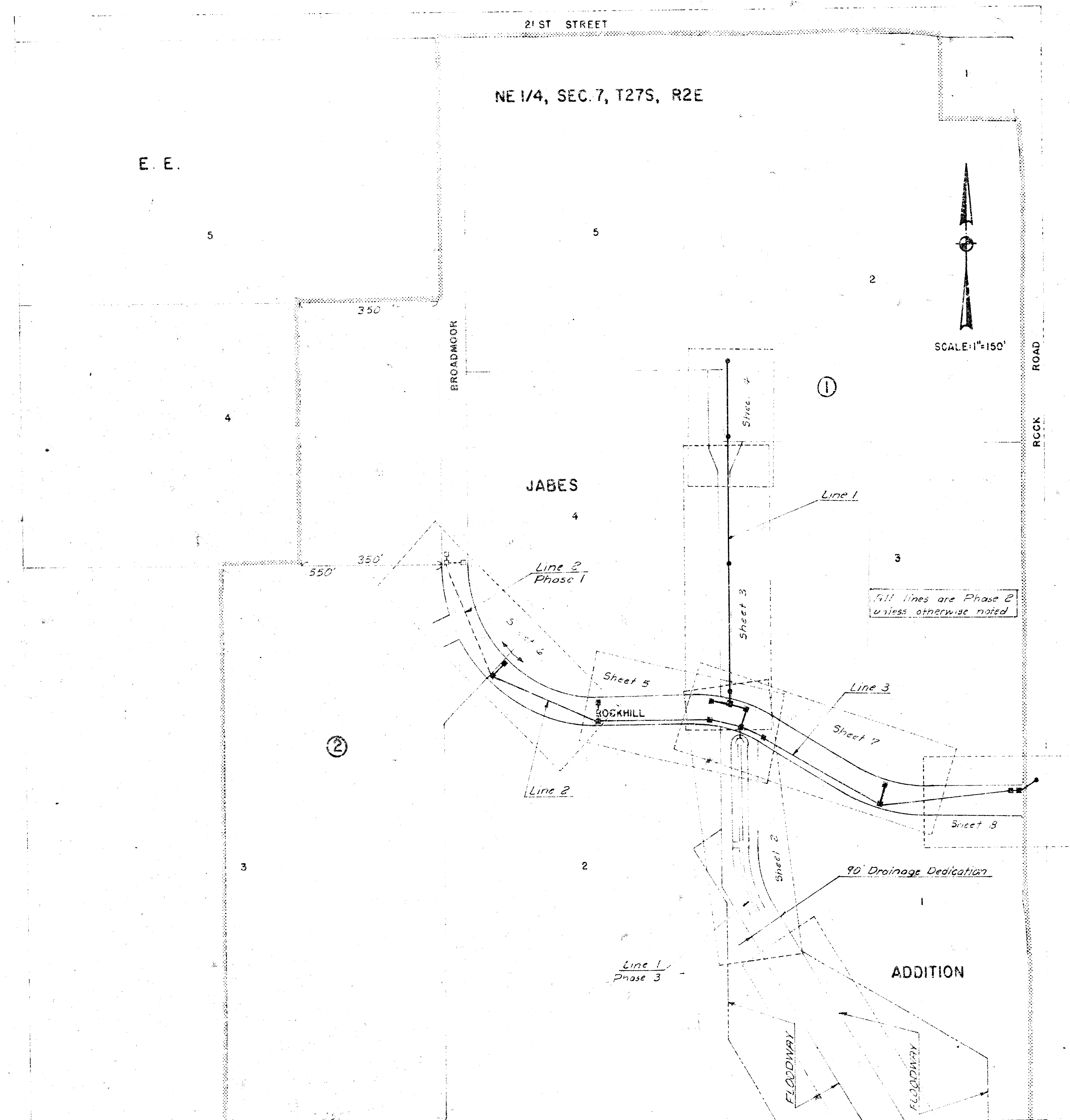


STORM WATER SEWER NO. 112, Phase 2

CITY OF WICHITA, KANSAS

R. W. LINN, CITY ENGINEER



PROJECT NO. DBKA 574057

DATE _____

Rev. 5-30-78
Rev. 1-25-78

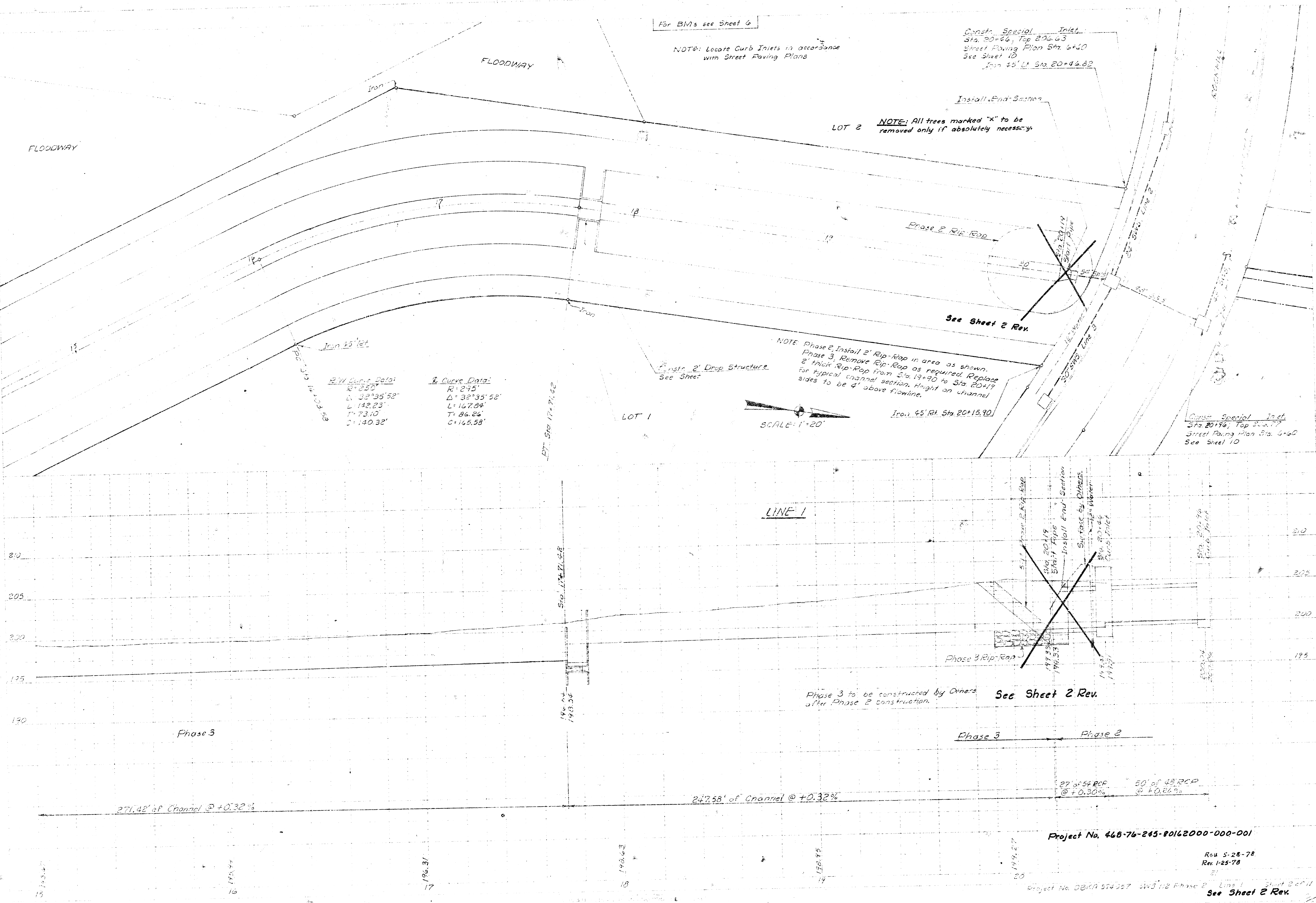
SHEET 1 OF 11

SWC 112, Phase 2

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PLAN ... PLAN ... PLAN ...

PHASE ...



For B.M.s see Sheet 6

NOTE: Locate Curb Inlets in accordance with Street Paving Plans

Const. Special Inlet Sta. 20+26, Top 20+63 Street Paving Plan Sta. 6+60 See Sheet 10 Iron 45' RI Sta. 20+46.82

Install End Section

LOT 2 NOTE: All trees marked "X" to be removed only if absolutely necessary

Phase 2 Rip-Rap

See Sheet 2 Rev.

NOTE: Phase 2, Install 2' Rip-Rap in area as shown. Phase 3, Remove Rip-Rap as required. Replace for typical channel section, height on channel sides to be 4' above flowline.

Const. 2' Drop Structure See Sheet

SCALE: 1"=20'

Iron 45' RI Sta. 20+15.90

Const. Special Inlet Sta. 20+96, Top 20+77 Street Paving Plan Sta. 6+60 See Sheet 10

LINE 1

Phase 3 to be constructed by Others after Phase 2 construction.

See Sheet 2 Rev.

Phase 3

Phase 2

271.48' of Channel @ +0.32%

247.58' of Channel @ +0.32%

27' of 54" RCP @ +0.30% 50' of 48" RCP @ +0.26%

Project No. 468-76-245-80162000-000-001

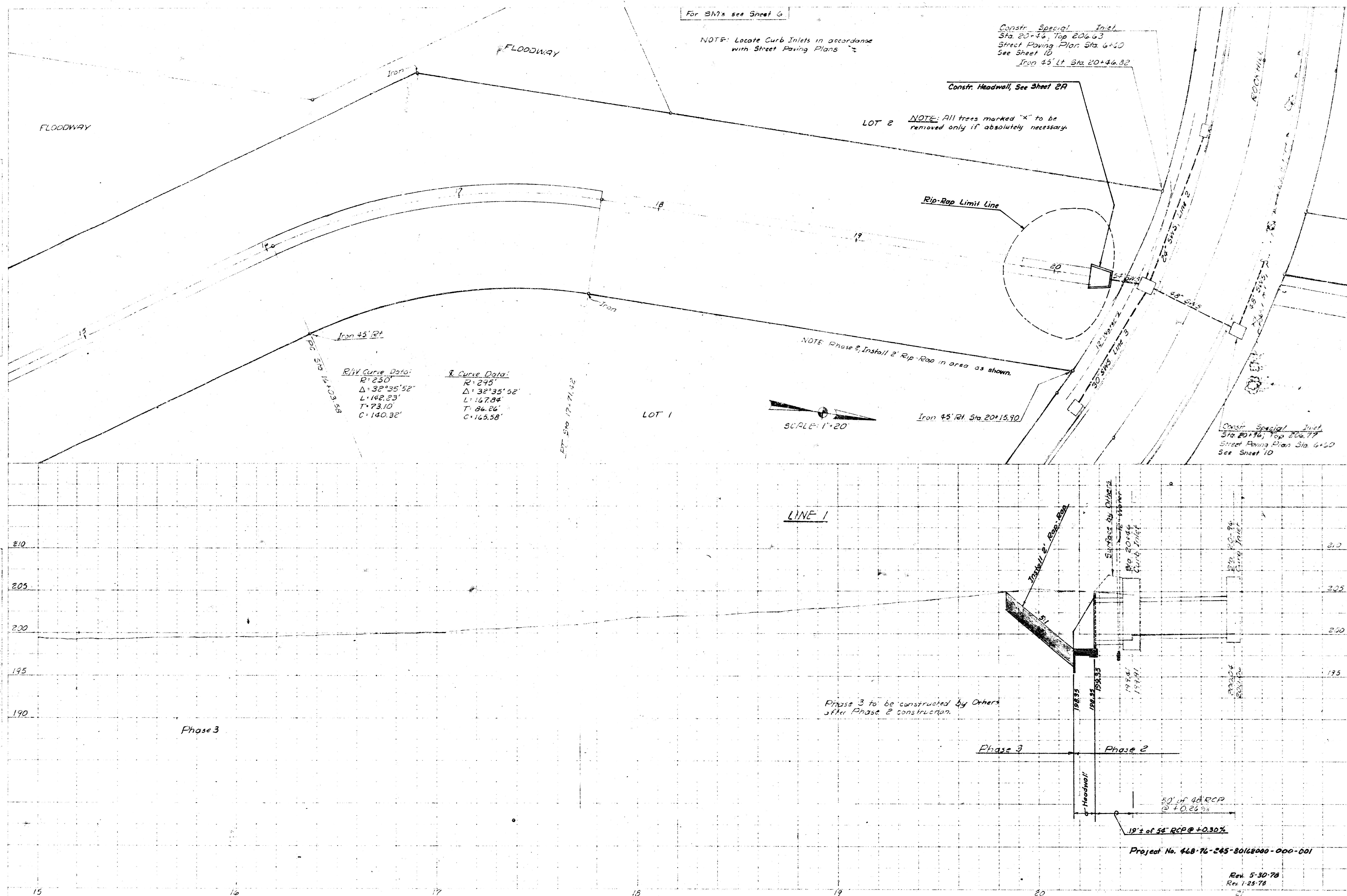
Rev. 5-28-78 Rev. 1-25-78

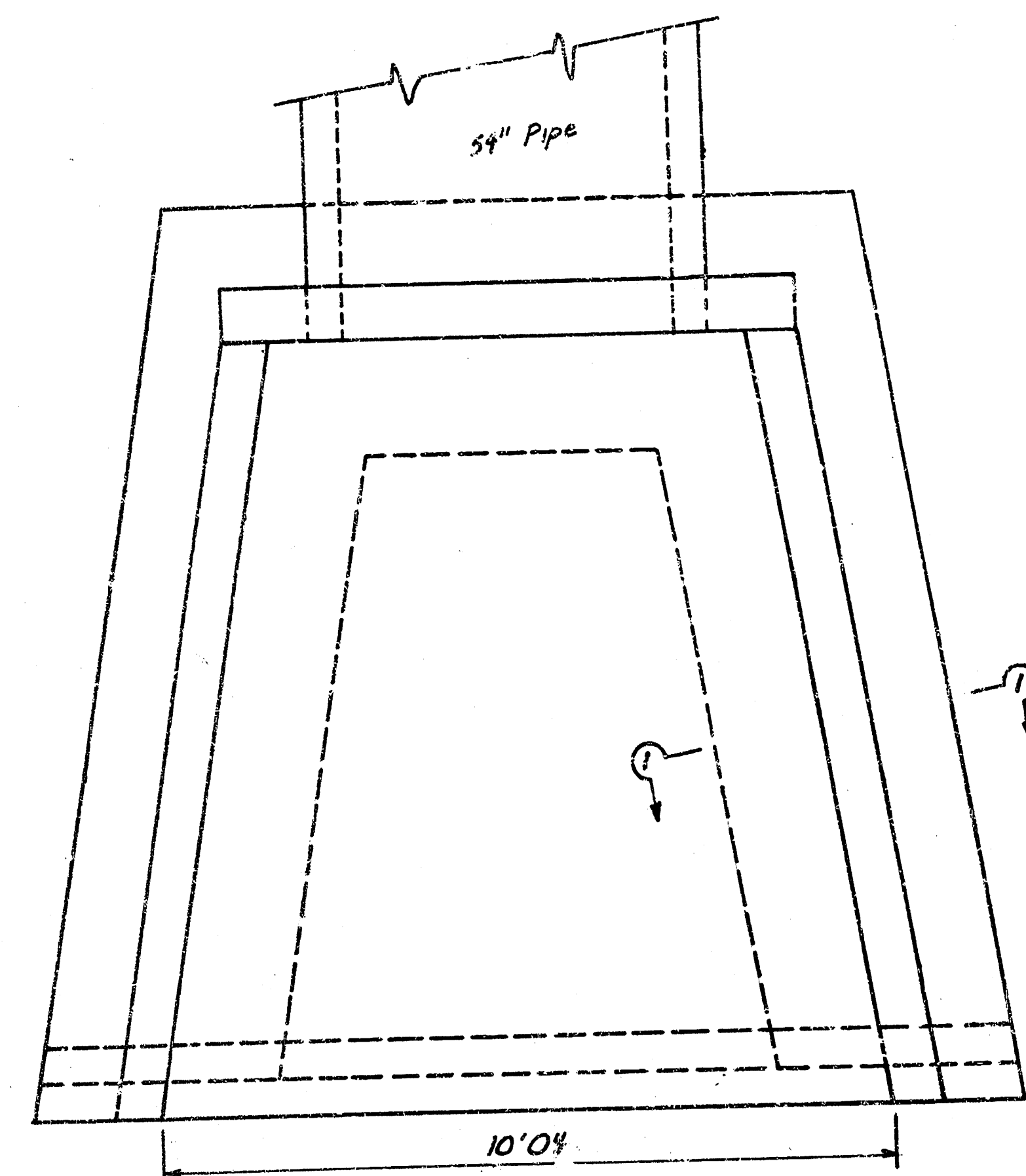
Project No. DBRA 574027 WS 112 Phase 2 Line 1 Sheet 2 of 11 See Sheet 2 Rev.

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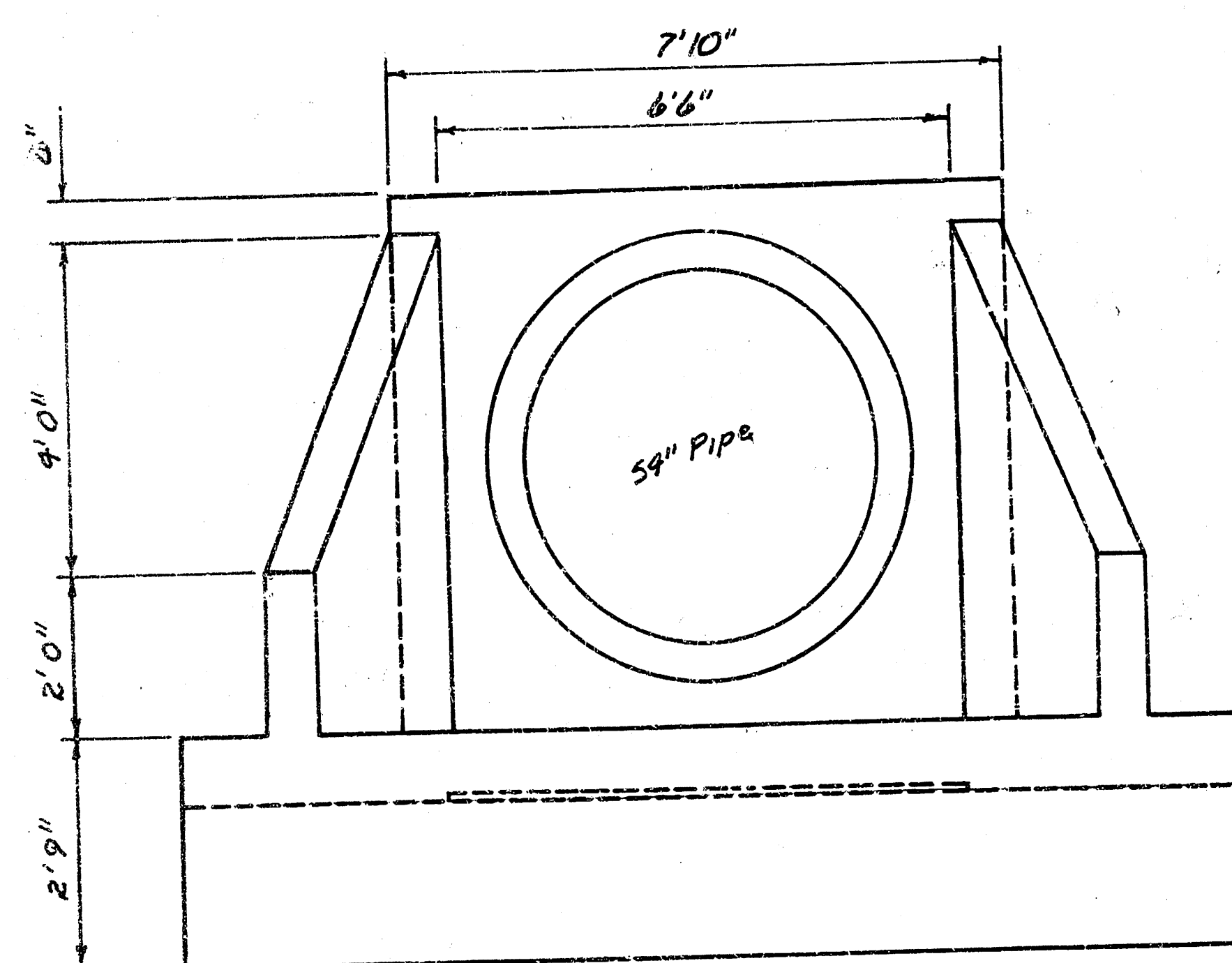
PLAN
DLA 201, M816

PROFILE
DLA 201, M816

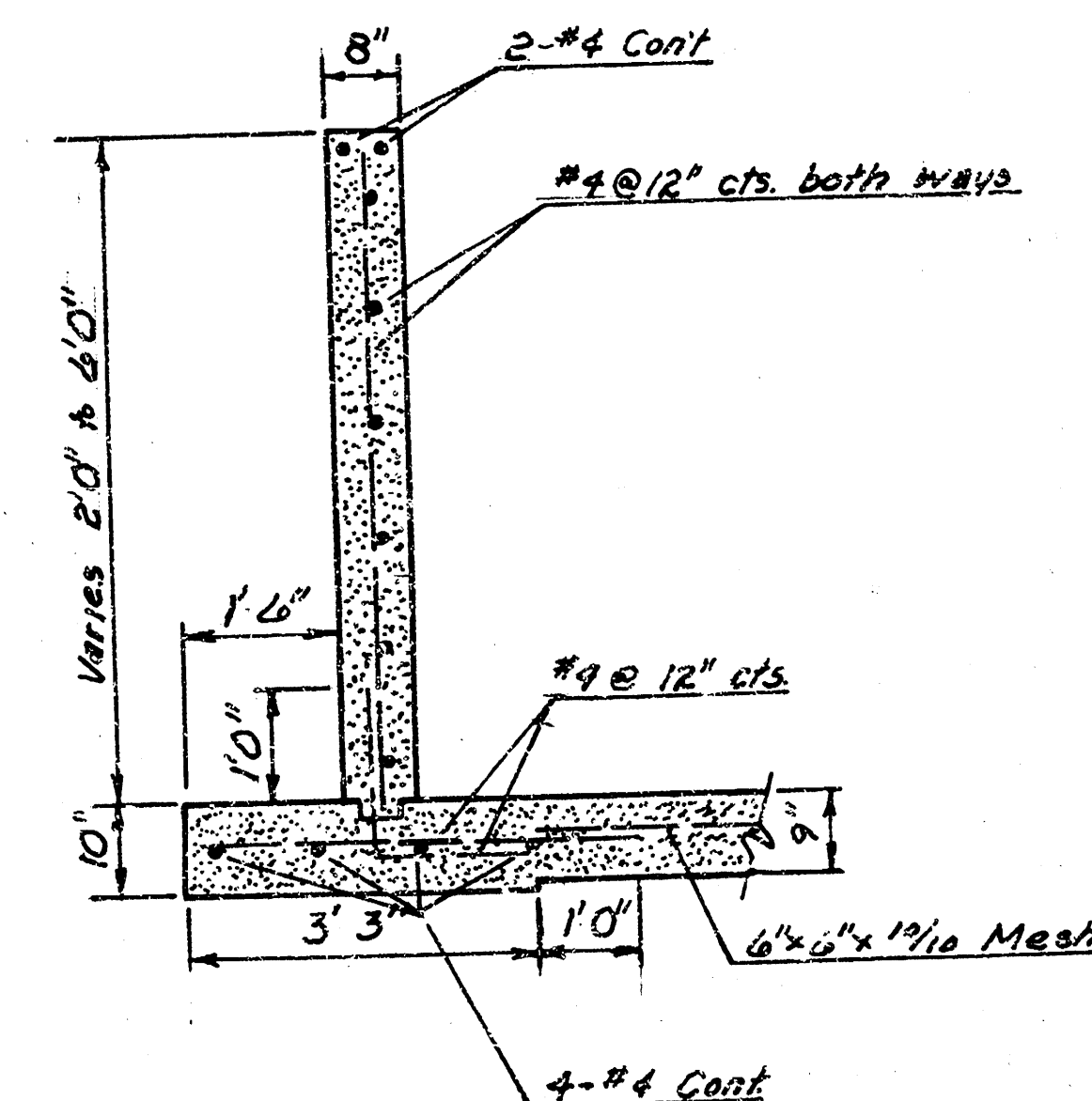




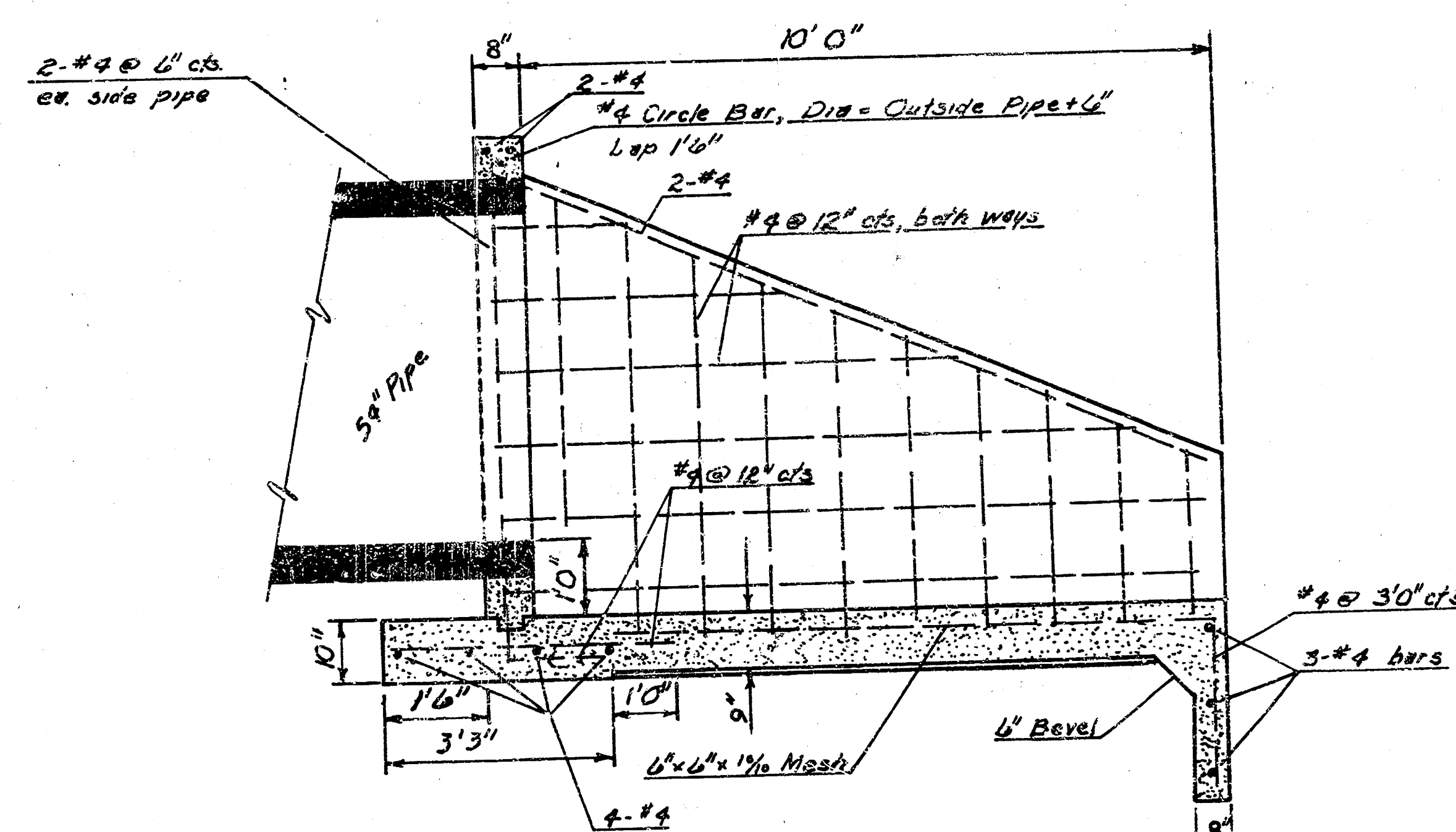
PLAN



FRONT



SECTION 1-1

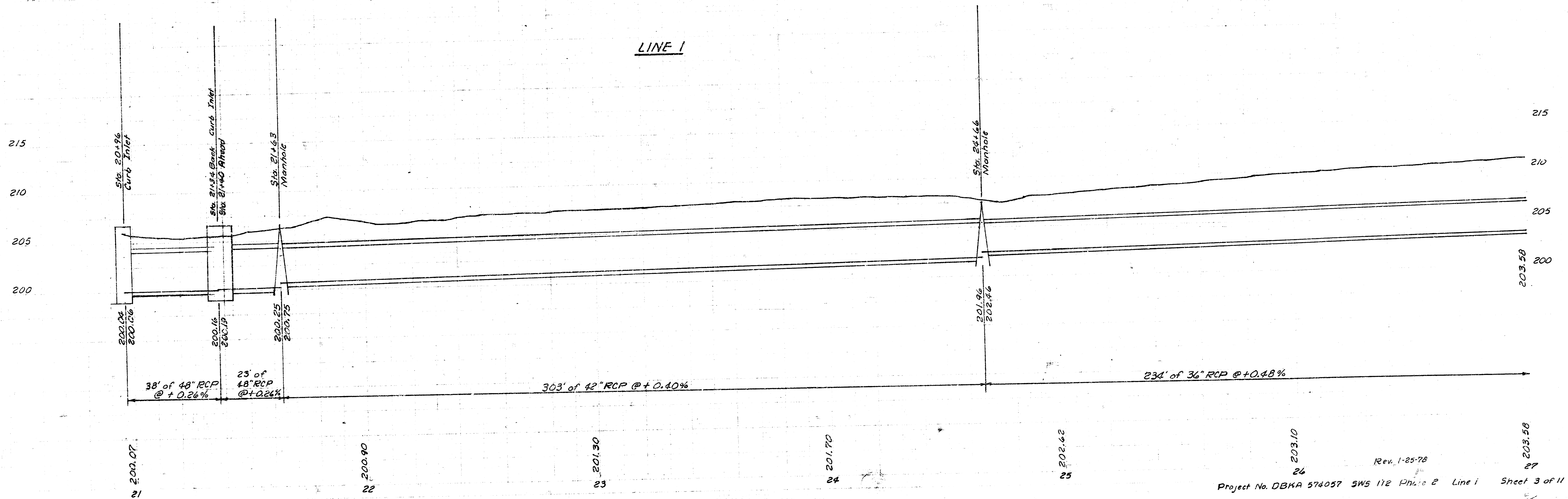
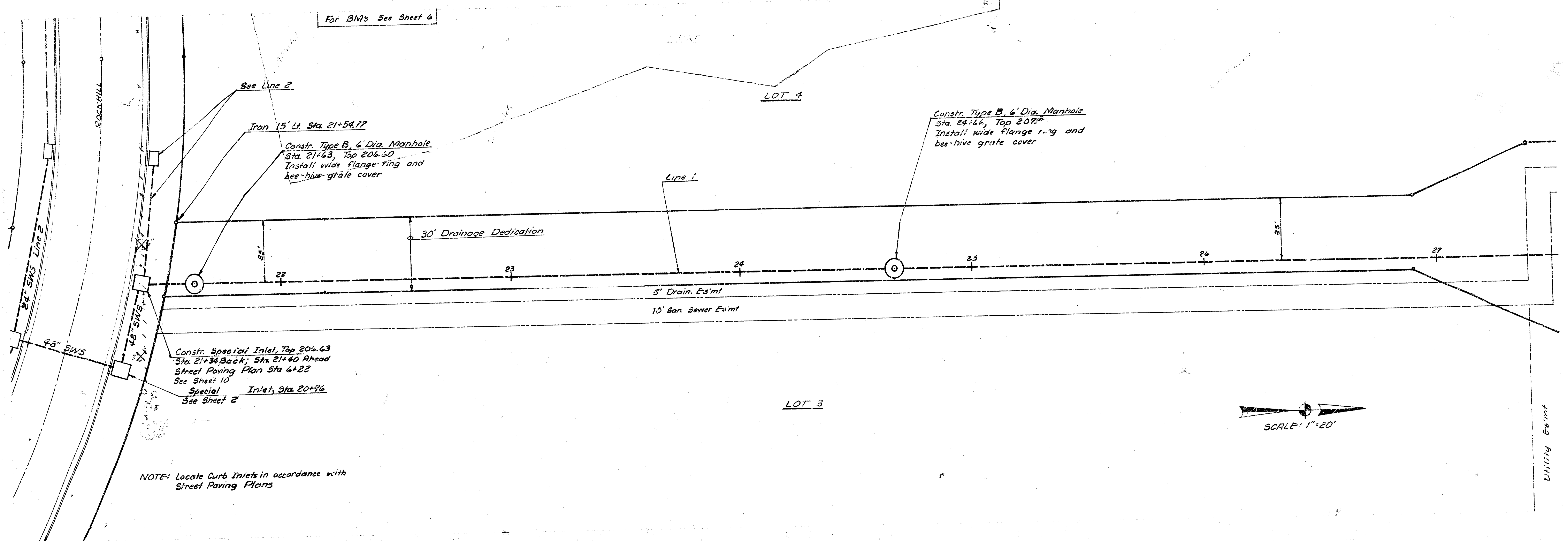


SECTION AT CENTER

HEADWALL
Scale: 1/8"=1'0"

Project No. 448-76-245-801/2000-000-001
Project No. DBKA-574057

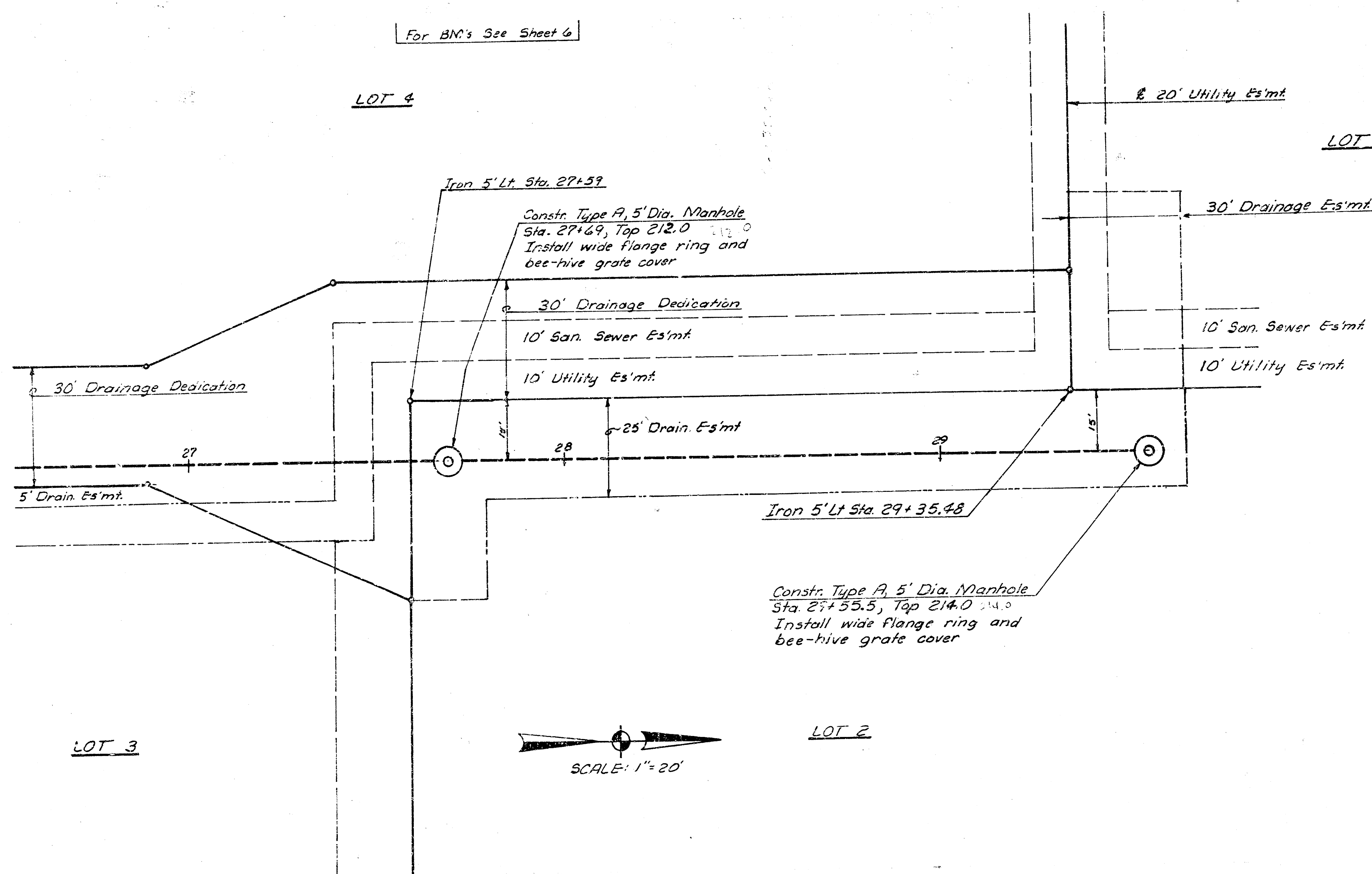
Sheet 2A
HEADWALL DETAILS
SWS #112 Phase 2, Change Order



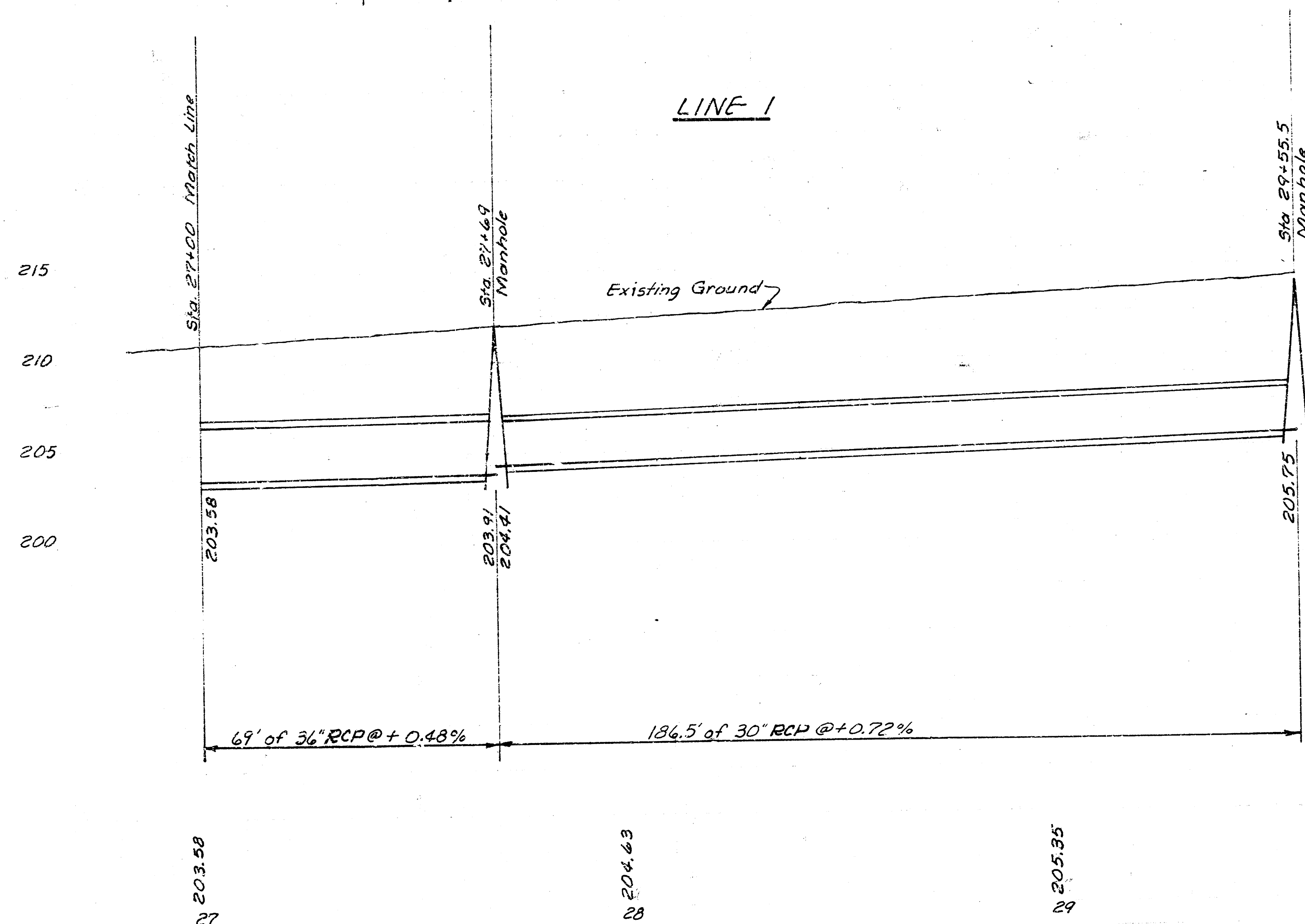
For BM's See Sheet 6

LOT 4

LOT 5



LINE 1



Rev 1-25-78

Project No. DBKA 574057 SW5 112 Phase 2 Line 1 Sheet 4 of 11

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For BM's See Sheet 6

SCALE: 1"=20'

Sta. 0+00 Curb Inlet
See Line 1

Constr. Type 1A Curb Inlet, w=3'10"
Sta. 0+78, Top 204.85
Street Paving Sta. 5+75

Constr. Type 1A Curb Inlet, w=3'10"
Sta. 3+73, Top 207.80

Install 45' of 15" SWS
USFL 204.1; DSFL 203.6

PC Street Paving Sta. 2+75.56

Constr. Type 1A Curb Inlet
w=3'10"; Top=207.80

Install 48' of 15" SWS
USFL 203.0 DSFL 202.5

Constr. Type 1A Curb Inlet
w=3'10"; Top=206.78
Street Paving Sta. 5+75

NOTE: Locate Curb Inlets in accordance
with Street Paving Plans.

LINE 2

Sta. 0+00
Curb Inlet

Sta. 0+78
Curb Inlet

Sta. 3+73
Curb Inlet

Lt. Curb
Existing Ground

0+00 201.39
0+54 199.41
201.39

0+78 201.73
0+78 201.78

3+73 202.84
3+73 203.07

78' of 24" RCP @ +0.44%

295' of 24" RCP @ +0.36%

Rev. 1-25-78

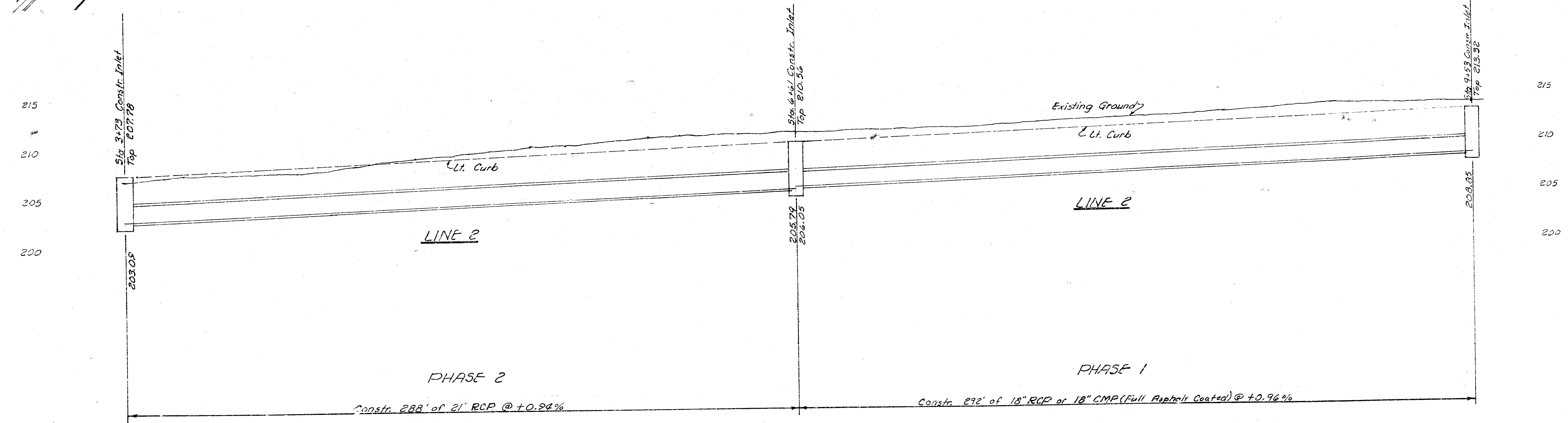
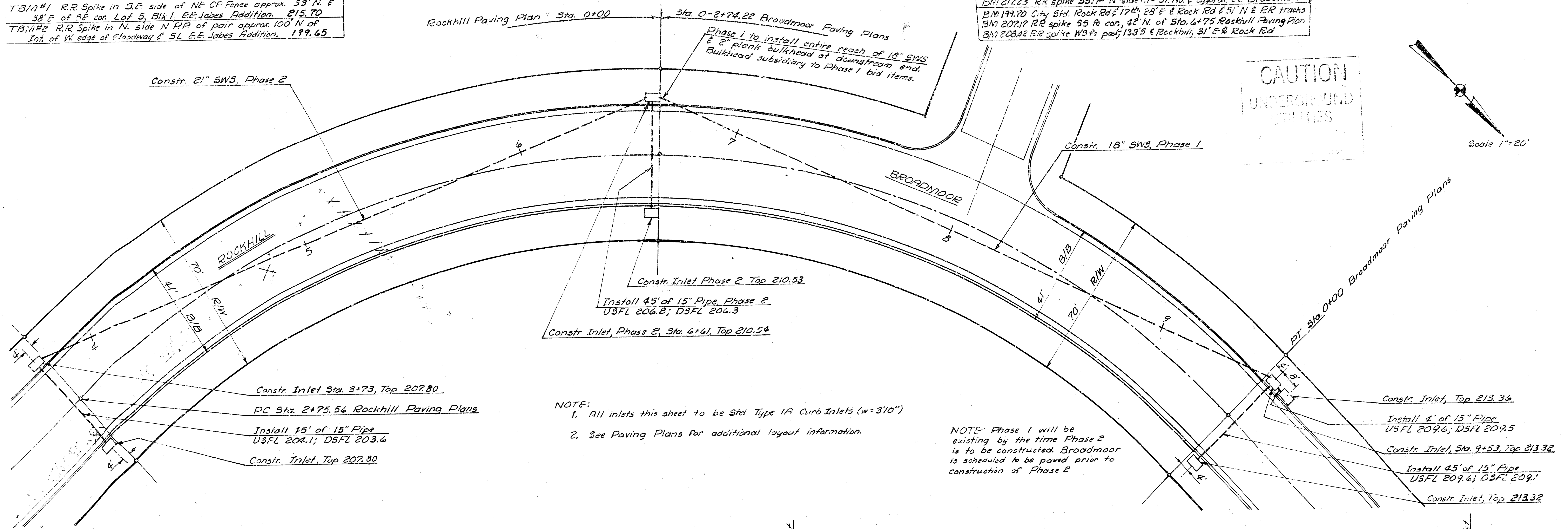
Project No. DBKA 574057 SWS 112 Phase 2 Line 2

Sheet 5 of 11

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TBM #1 R.R. Spike in S.E. side of NE CF Fence approx. 53' N & 58' E of SE cor. Lot 5, Blk 1, E.E. Jabes Addition. 215.70
 TBM #2 R.R. Spike in N. side N.P.P. of pair approx 100' N of Int. of W. edge of Roadway & SL E.E. Jabes Addition. 199.65

BM 214.57 City Std 45.0' N & 48.0' E of E. Rock Rd & 21st St. No.
 BM 217.23 R.R. spike 35TP N-side 21st St. No. & approx. EL Broadmoor
 BM 199.70 City Std. Rock Rd & 17th St. E & Rock Rd & 51' N & RR tracks
 BM 207.17 R.R. spike 55 ft cor. 42' N of Sta. 6+75 Rockhill Paving Plan
 BM 208.42 R.R. spike W 3 ft past 138.5 & Rockhill, 31' E & Rock Rd



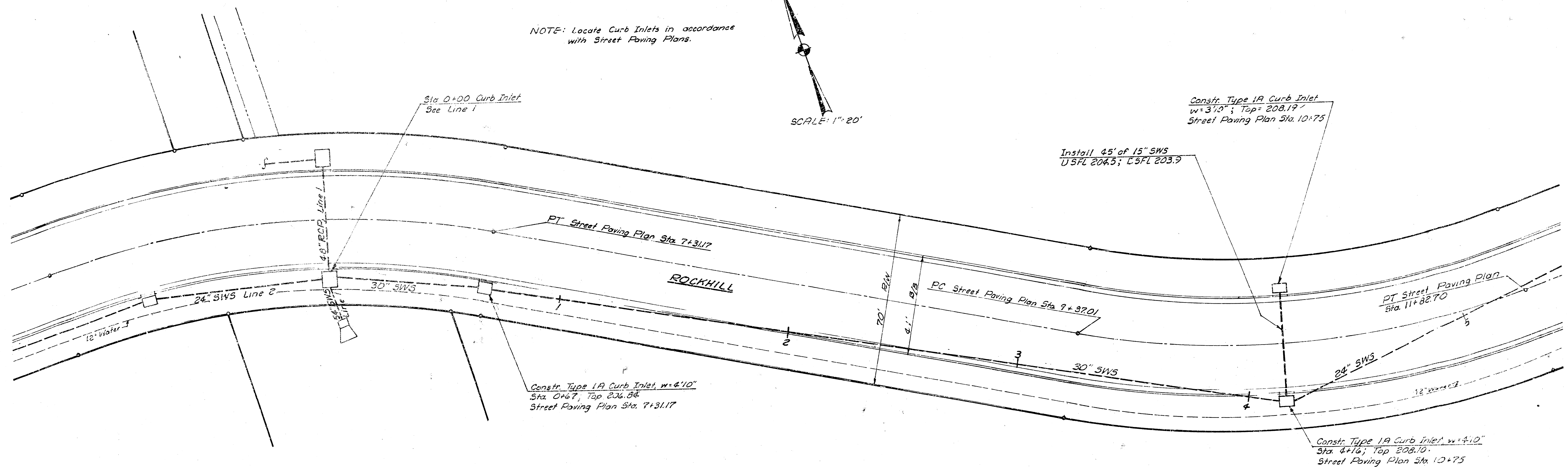
4 203.34
 5 204.29
 6 205.22
 7 206.12
 8 207.05
 9 208.05
 Project No. DBKA 574057 SWS #112 Line 2 Phase 2 Sheet 6 of 11

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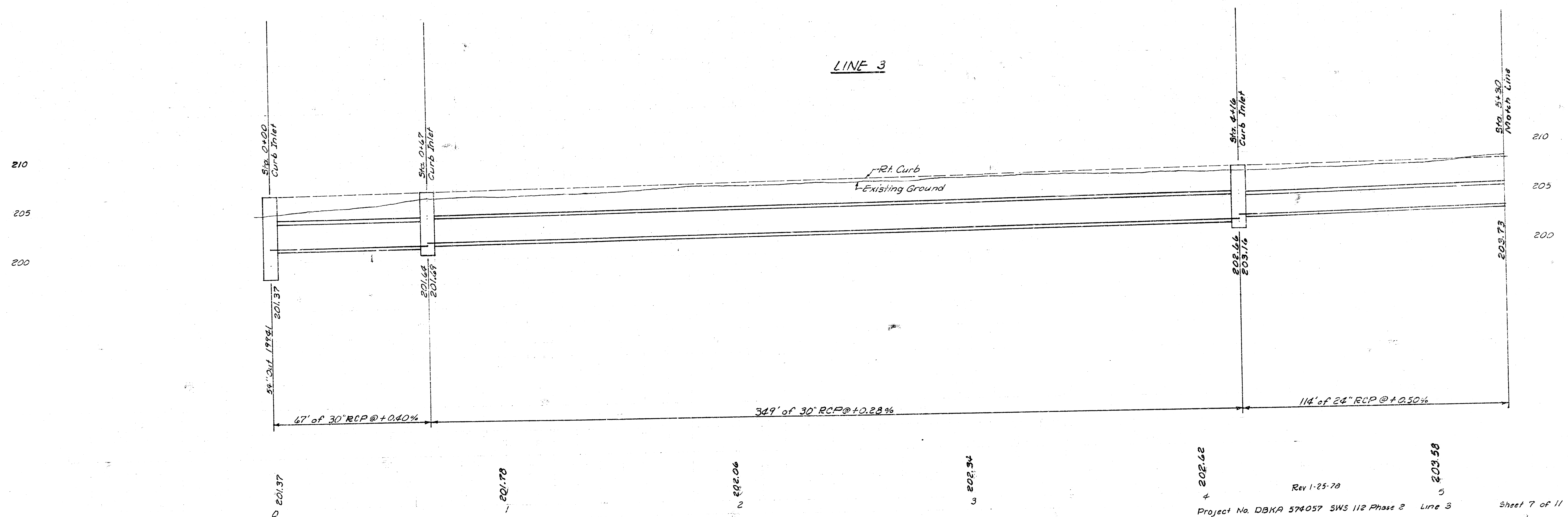
For BM's See Sheet 6

NOTE: Locate Curb Inlets in accordance with Street Paving Plans.

SCALE: 1" = 20'

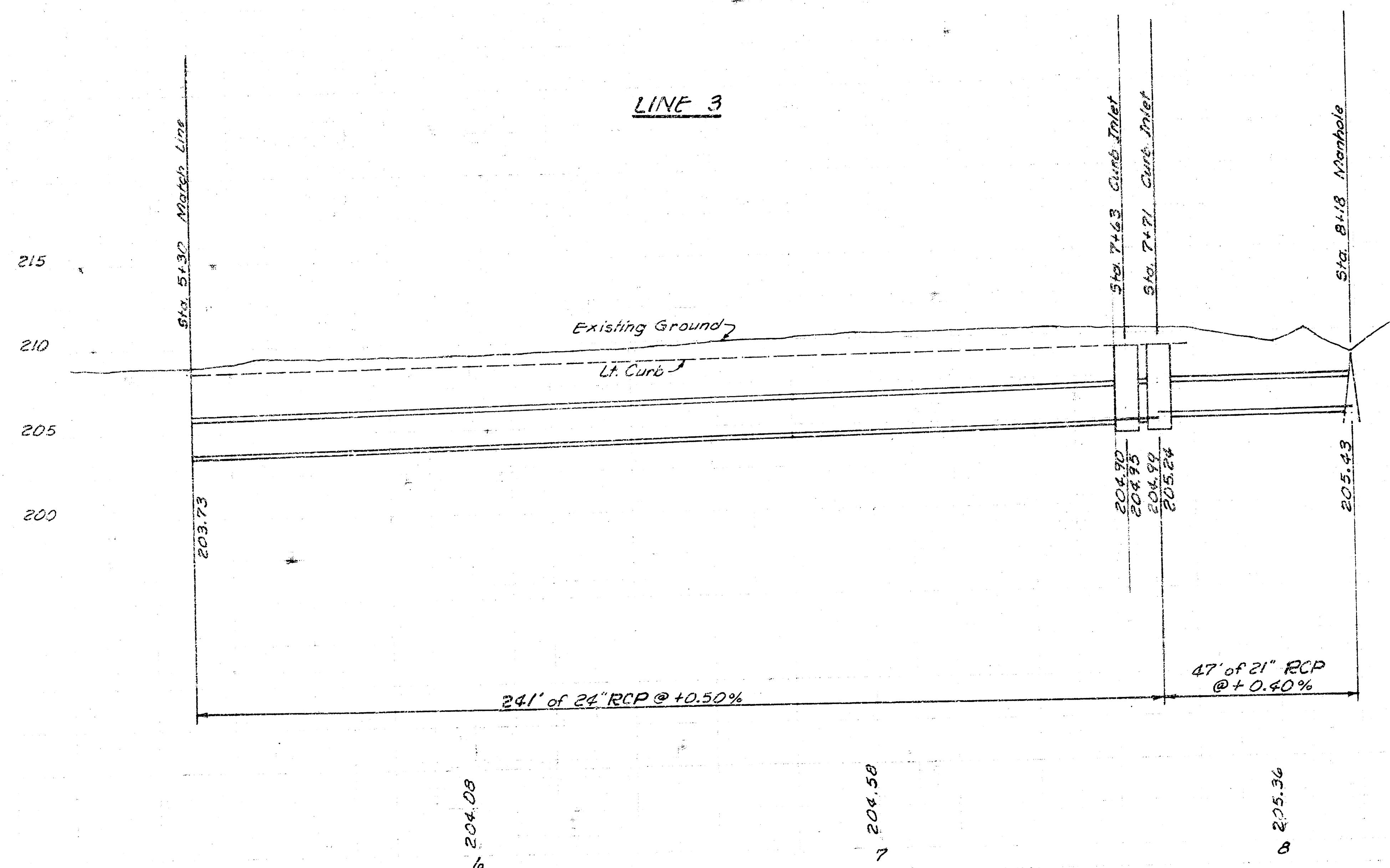
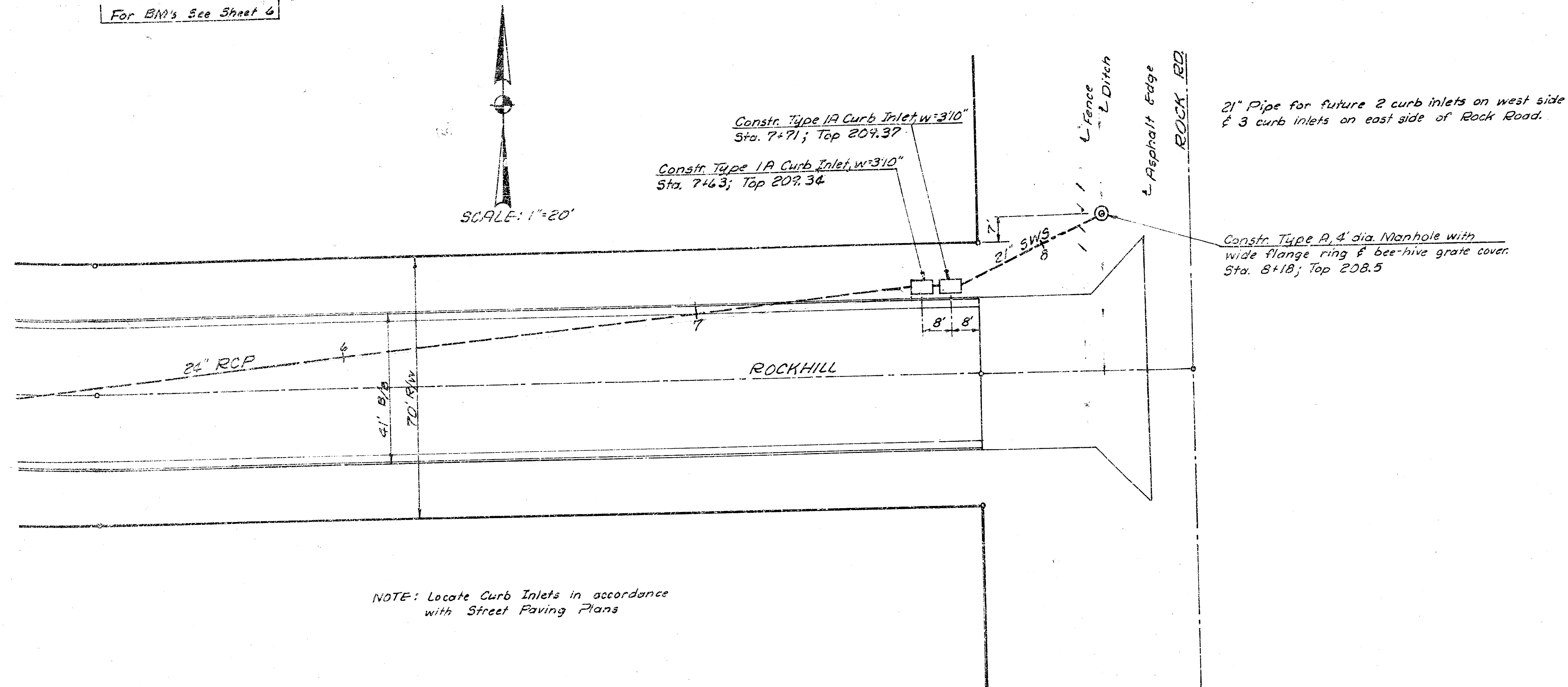


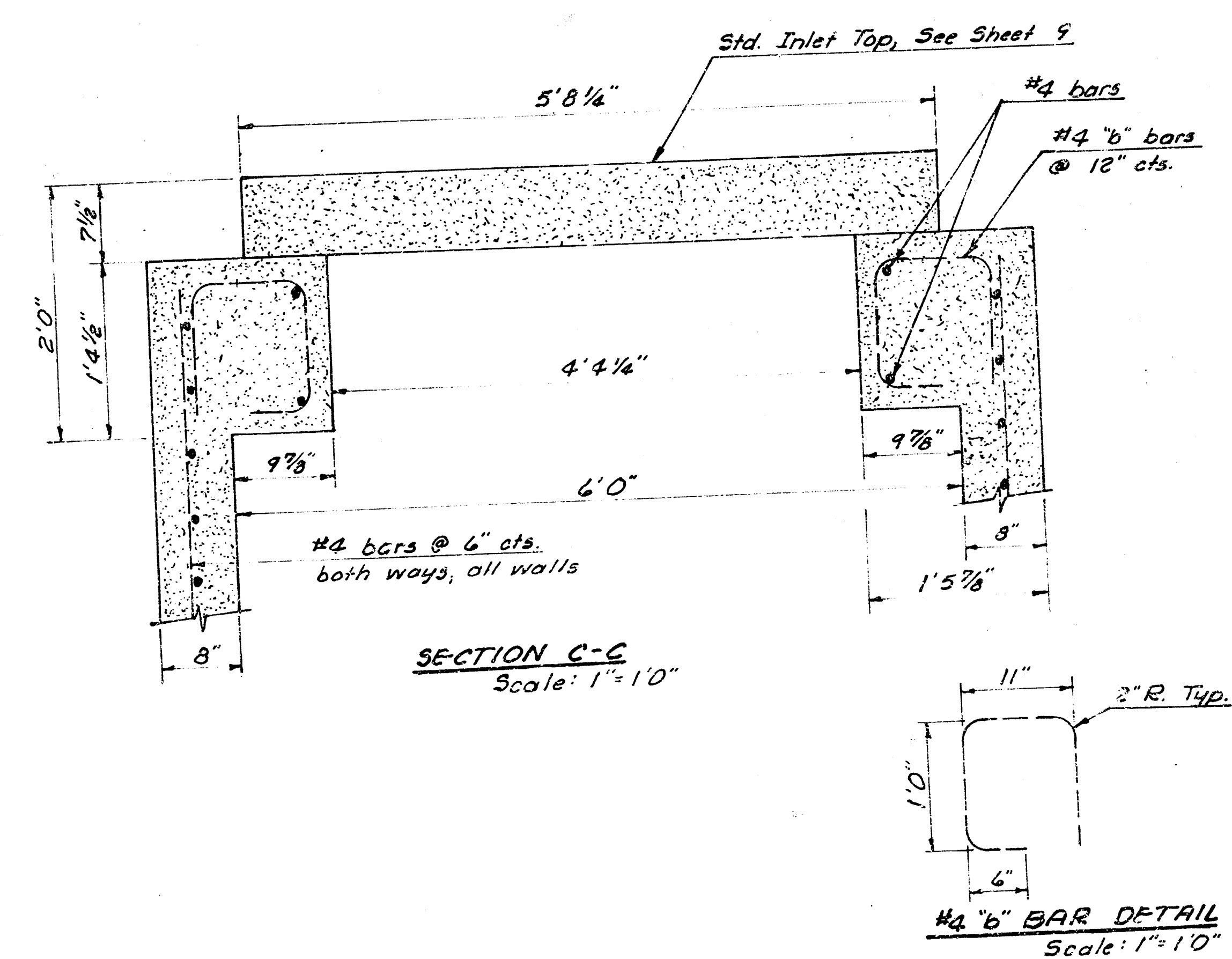
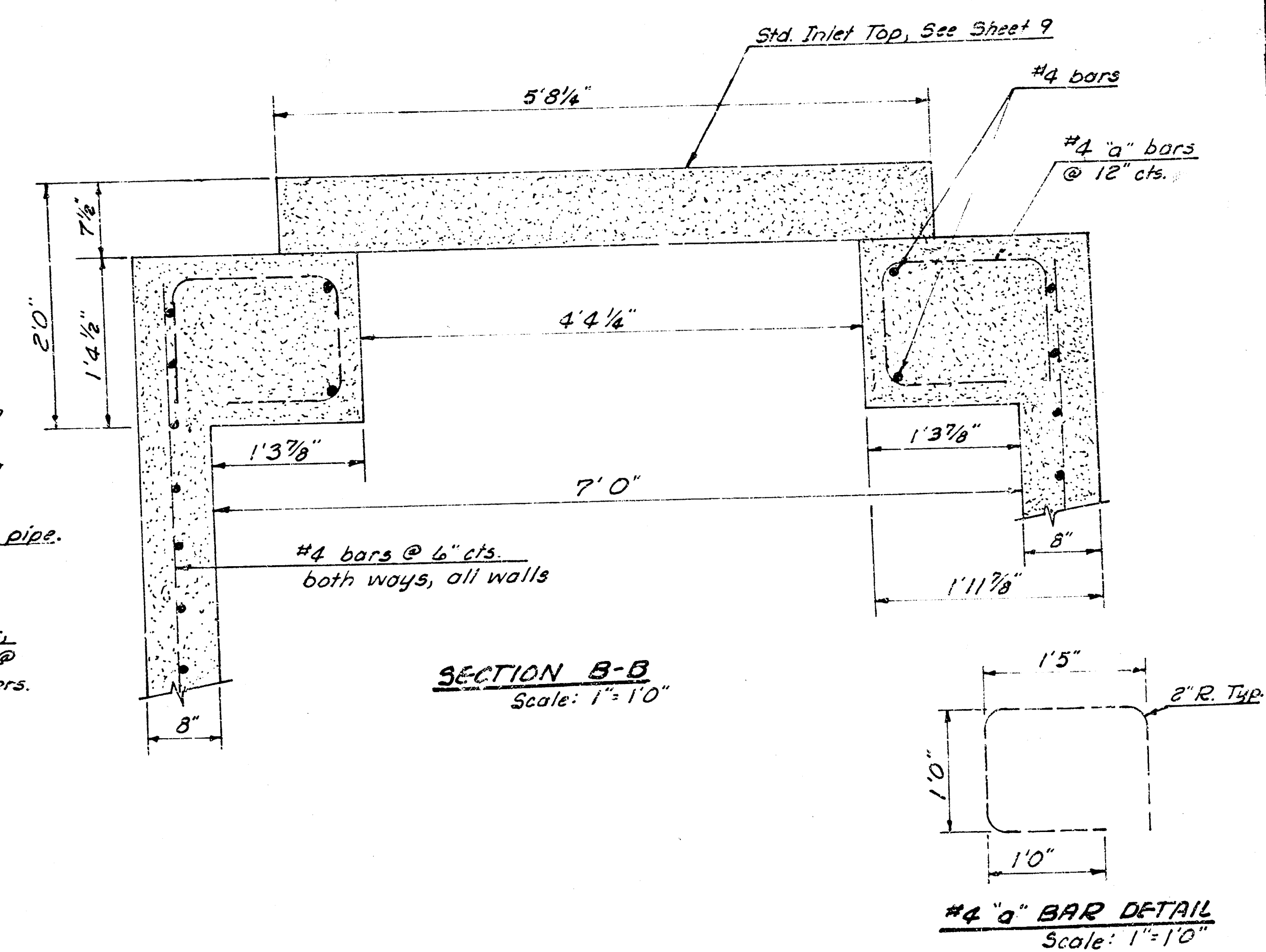
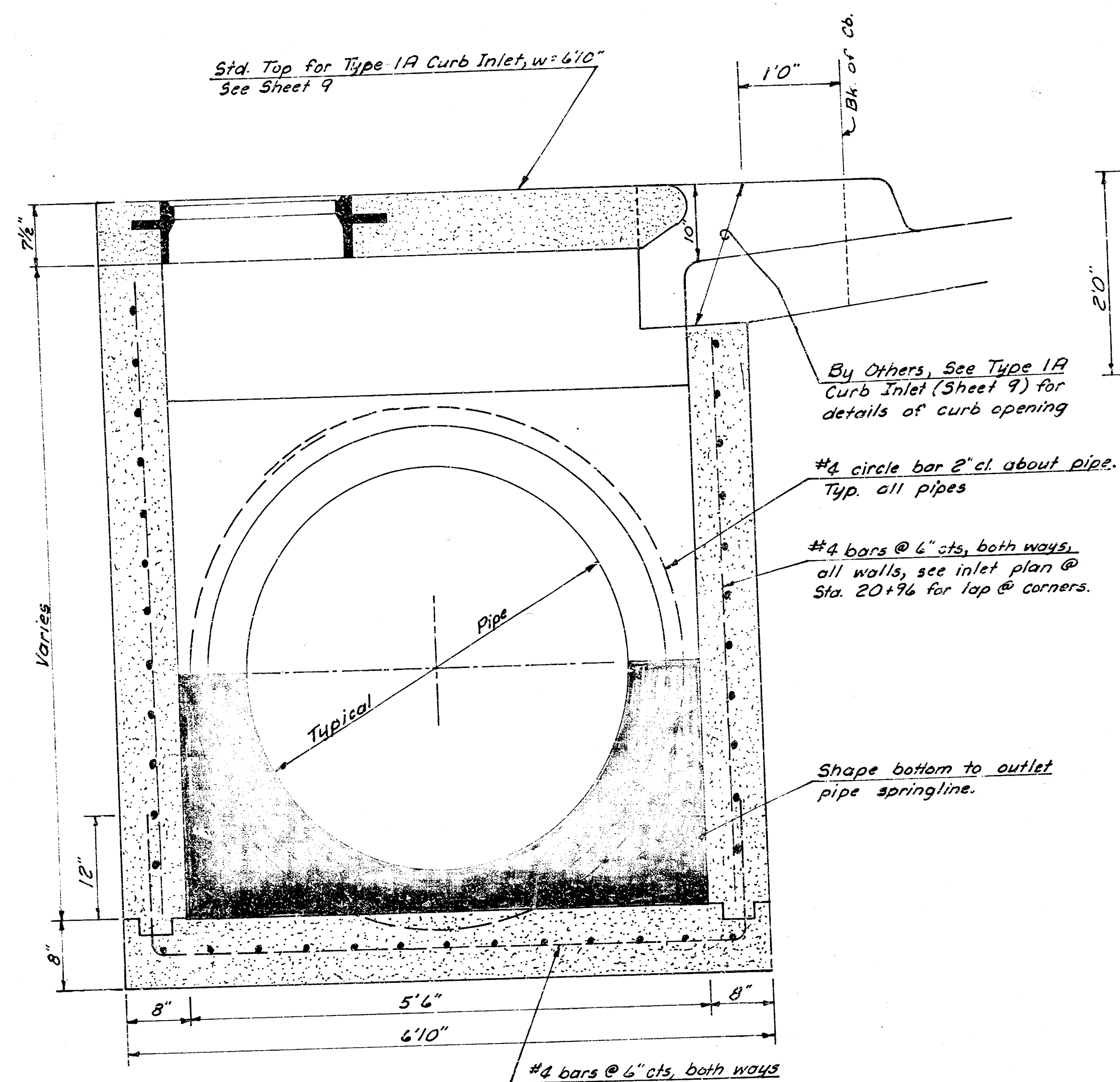
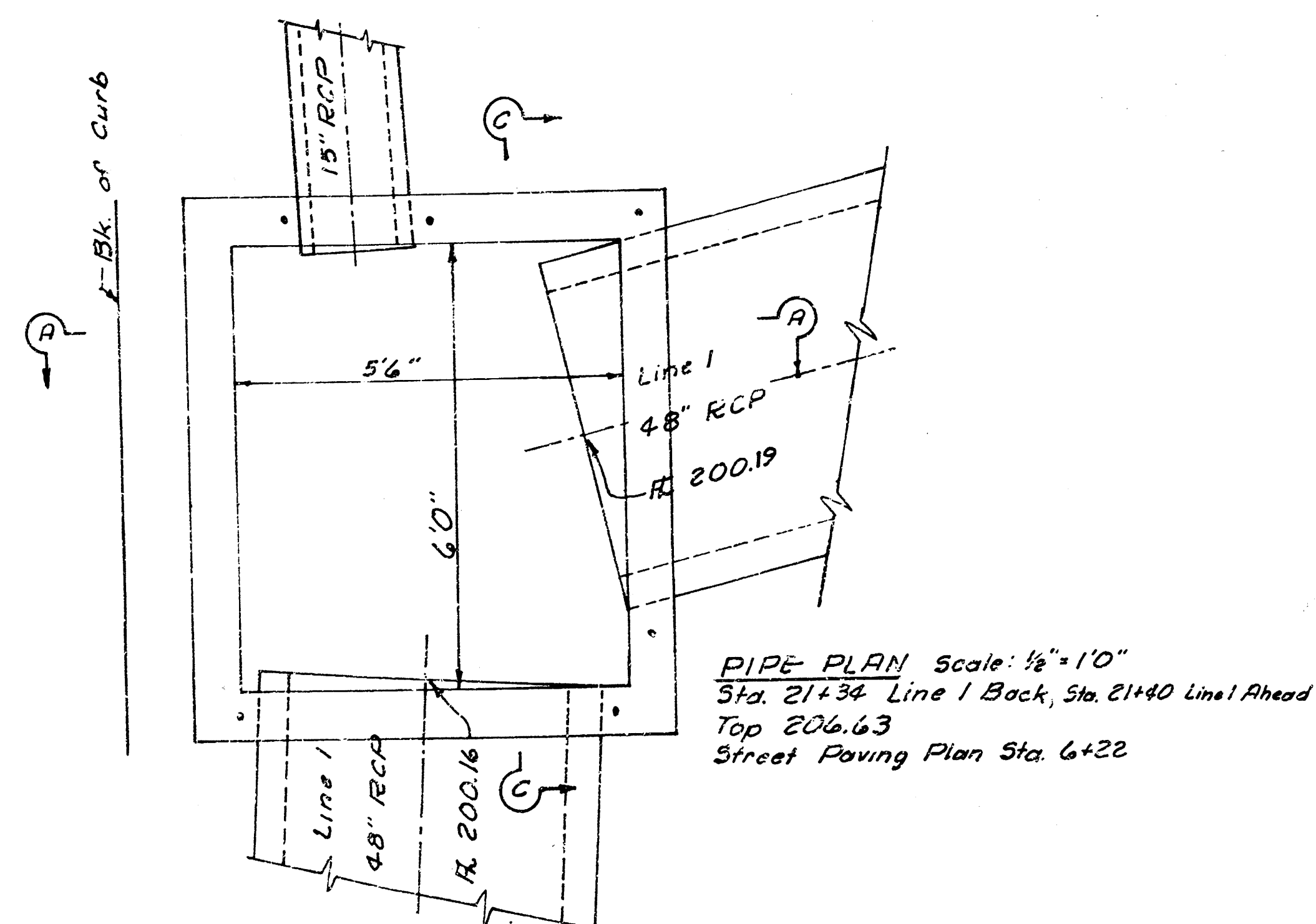
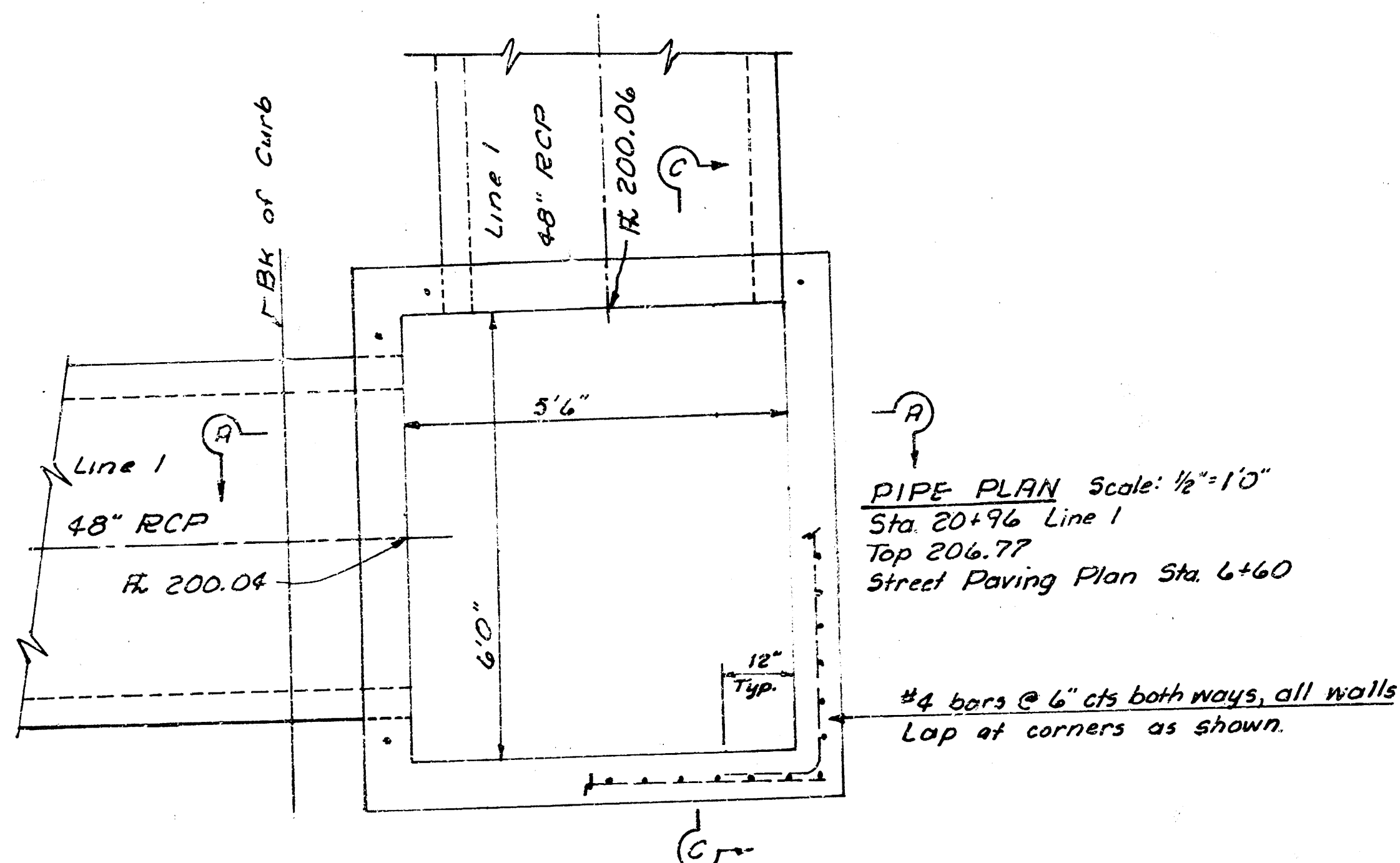
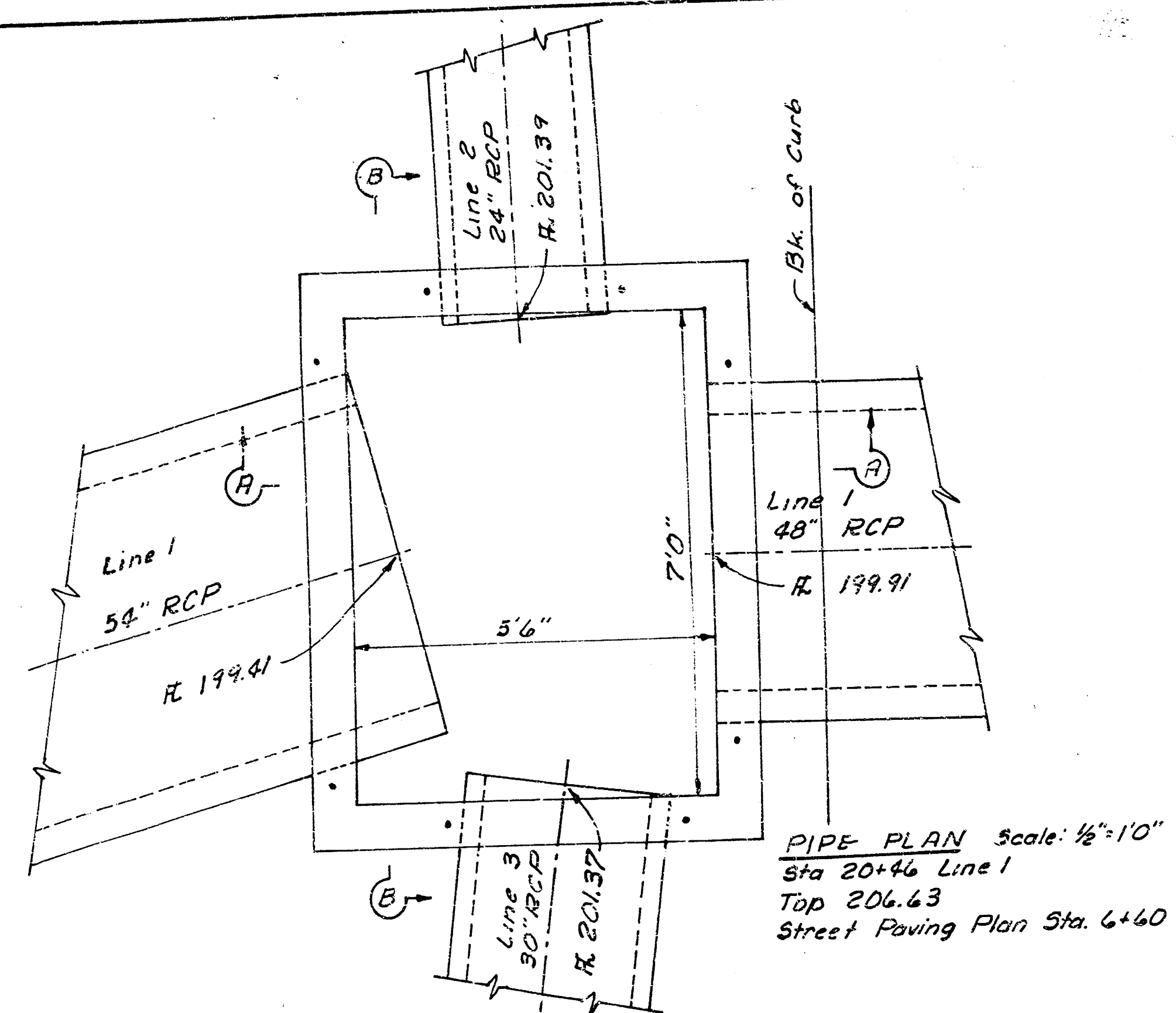
LINE 3



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For BM's See Sheet 6





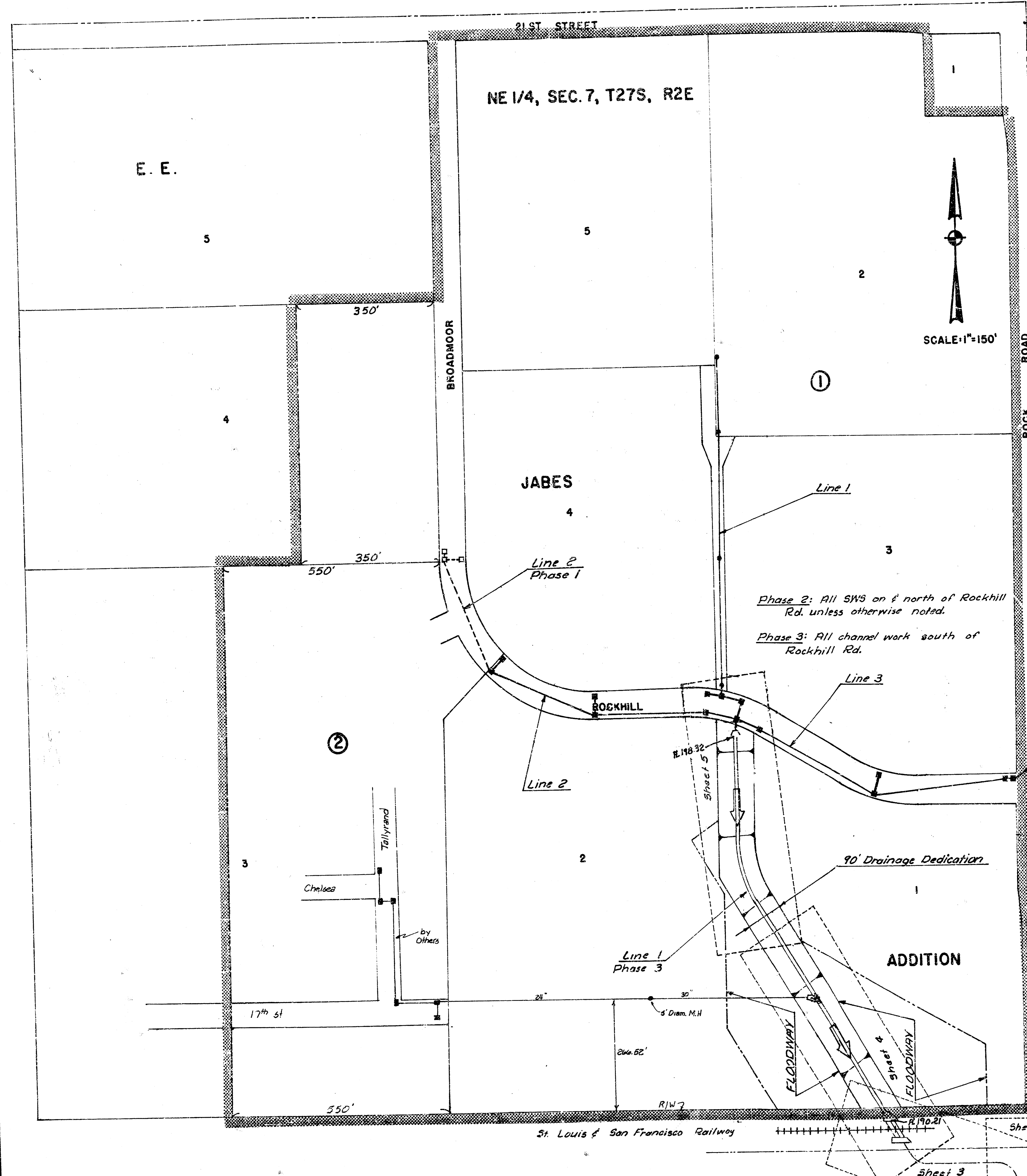
SPECIAL INLET DETAIL

PROJECT NO. DBKA 574057 SWS 112 Phase 2 Sheet 10 of 11

STORM WATER SEWER NO. 112 *PHASE 3*

CITY OF WICHITA, KANSAS

R. W. LINN, CITY ENGINEER



CONTRACTOR NOTICE

THE CONTRACTOR OF THIS PROJECT SHALL CONSTRUCT THE DRAINAGE STRUCTURE CONSISTING OF THREE (3) 48" DIAMETER PIPES ACROSS AND UNDER THE RAILROAD MAIN LINE TRACK IN THE LOCATION SET FORTH HEREIN.

THE CONTRACTOR SHALL NOTIFY THE RAILWAY, MAKE ARRANGEMENTS, AND PROVIDE FOR ADEQUATE PROTECTION OF RAILWAY PROPERTY AND OPERATIONS UNDER THE FOLLOWING SITUATIONS AND CONDITIONS:

WHEN PERFORMING ANY WORK OR OPERATION CLOSER THAN TWELVE (12) FEET FROM CENTER OF RAILWAY'S MAIN TRACK AND ANY SPUR TRACKS; AND TO REIMBURSE RAILWAY FOR PROTECTIVE SERVICES THE RAILWAY REQUIRES, SUCH COST TO BE DETERMINED ON THE BASIS OF RATES OF PAY AND OTHER RELATED COSTS ACTUALLY IN EXISTENCE AT THE TIME PROTECTIVE SERVICES ARE COMPLETED.

THE CONTRACTOR SHALL, IN RESPECT TO WORK PERFORMED UPON OR UNDER RAILWAY RIGHT-OF-WAY, PROVIDE RAILWAY PROTECTIVE LIABILITY INSURANCE WITH BODILY INJURY LIABILITY INSURANCE PROVIDING FOR NOT LESS THAN \$2,000,000 COMBINED COMPENSATION FOR BODILY INJURY, DEATH, AND PROPERTY DAMAGE PER OCCURRENCE, AND SUBJECT TO THAT LIMIT PER ACCIDENT A TOTAL OR AGGREGATE LIMIT OF \$2,000,000 FOR ALL DAMAGE OR LOSSES ARISING OUT OF INJURY TO OR DESTRUCTION OF PROPERTY DURING THE ANNUAL POLICY PERIOD.

THE RAILROAD WILL PROVIDE GENERAL SUPERVISION DURING CONSTRUCTION AS THE PROGRESS ON THE WORK OF THE PROJECT REQUIRES, SOLELY AS NECESSARY, IN ORDER TO PROTECT THE INTEREST OF THE RAILWAY. FURNISH PROTECTIVE SERVICES BY THE RAILROAD TO SAFEGUARD RAILWAY'S OPERATIONS AND PROPERTY WILL BE BILLED TO THE CONTRACTOR EACH MONTH FOR ACTUAL COSTS OF SUCH PROTECTIVE SERVICES PROVIDED DURING THE PREVIOUS MONTH. COSTS AND PAYMENT METHODS OF SUCH SERVICES SHALL BE NEGOTIATED BETWEEN CONTRACTOR AND RAILROAD PRIOR TO CONSTRUCTION.

EXCESS MATERIAL FROM CHANNEL EXCAVATION BETWEEN ROCKHILL STREET AND THE RAILROAD RIGHT-OF-WAY SHALL BE STOCKPILED AS FOLLOWS AFTER CONSULTATION WITH THE CURRENT OWNER/DEVELOPER OF THE PROPERTIES. APPROXIMATELY 50% OF THE MATERIAL SHOULD BE STOCKPILED AT A LOCATION IN LOT 1 DETERMINED WITH BRAD BOONE OF NORTH WICHITA INSULATION (TELEPHONE NO. (316) 655-2368). THE REMAINING 50% OF THE MATERIAL SHOULD BE STOCKPILED AT A LOCATION IN LOT 2 DETERMINED WITH DAN CARNEY (TELEPHONE NO. (316) 686-7314).

THE MATERIAL SOUTH OF THE RAILROAD IS THE PROPERTY OF DOLESE. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING DOLESE REGARDING THE DISPOSAL OF THIS MATERIAL SOUTH OF THE RAILROAD.

INDEX

- 1 COVER SHEET
- 2-5 PLAN-PROFILE
- 6 HEADWALL DETAILS
- 7 DROP STRUCTURE DETAILS
- 8-11 CROSS-SECTIONS

HYDROLOGY
DRAINAGE AREA 109.42 Acres
Q₁₀₀ = 257.7 cfs

PROJECT NO. DBKA 574057

DATE _____

Project No. 448-76-245-80142000-000-001



SHEET 1 OF 11

SW5 #112, Phase 3

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BM 199.70 City Std. Rock Road 17° 28' E. & Rock Road, 51' N. of E. R.R. tks.

Earthwork Limit Line
See Cross Sections

CHANNEL & CURVE DATA
R=300'
Δ=41°07'12"
L=215.30'
T=112.32
C=210.71

Drainage Easement Line

Concrete Waste

Existing Swale location

P.T. Sta. 4+98.94

CHANNEL & CURVE DATA
R=50'
Δ=90°05'
L=78.41'
T=52.07'
C=70.74'

P.C. Sta. 5+75.58

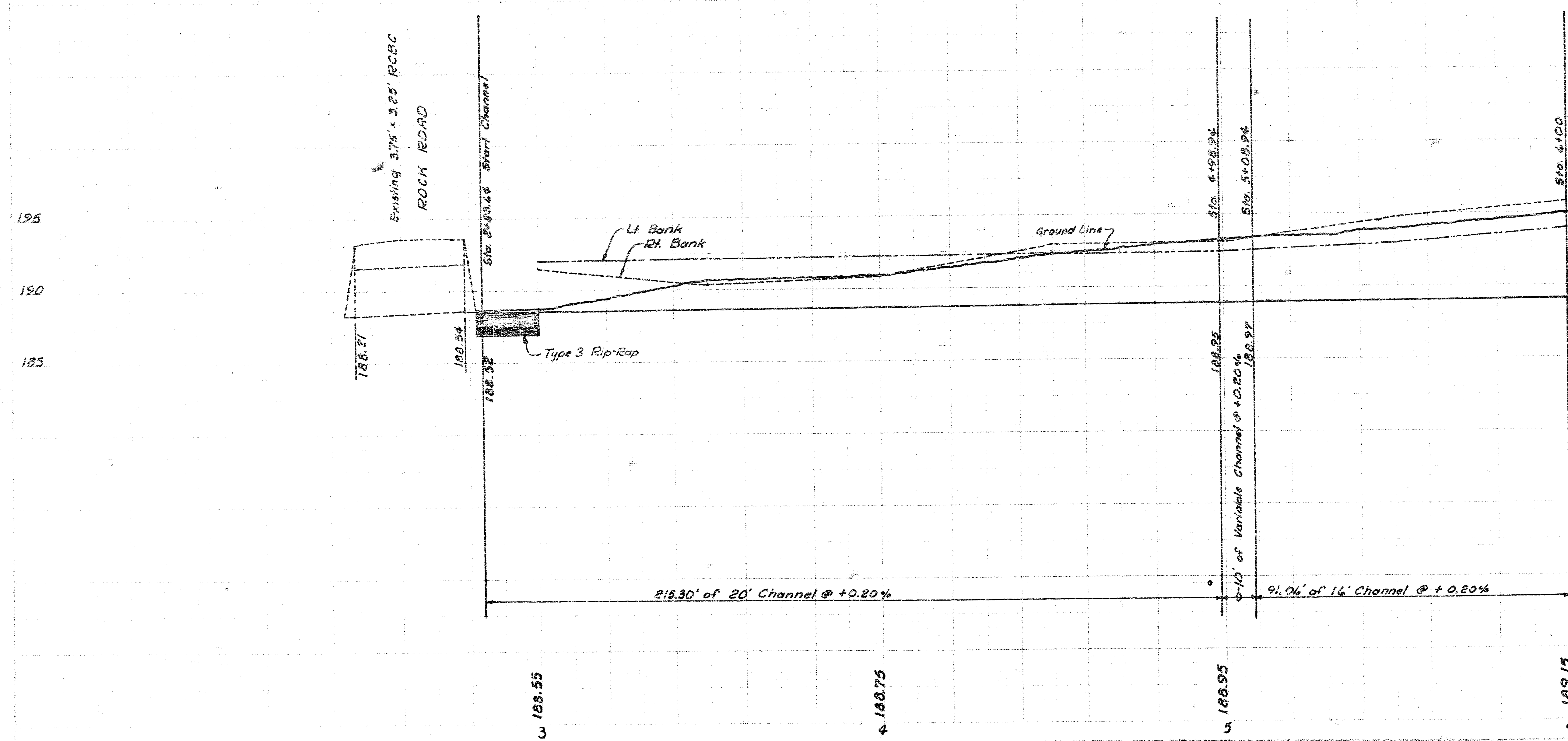
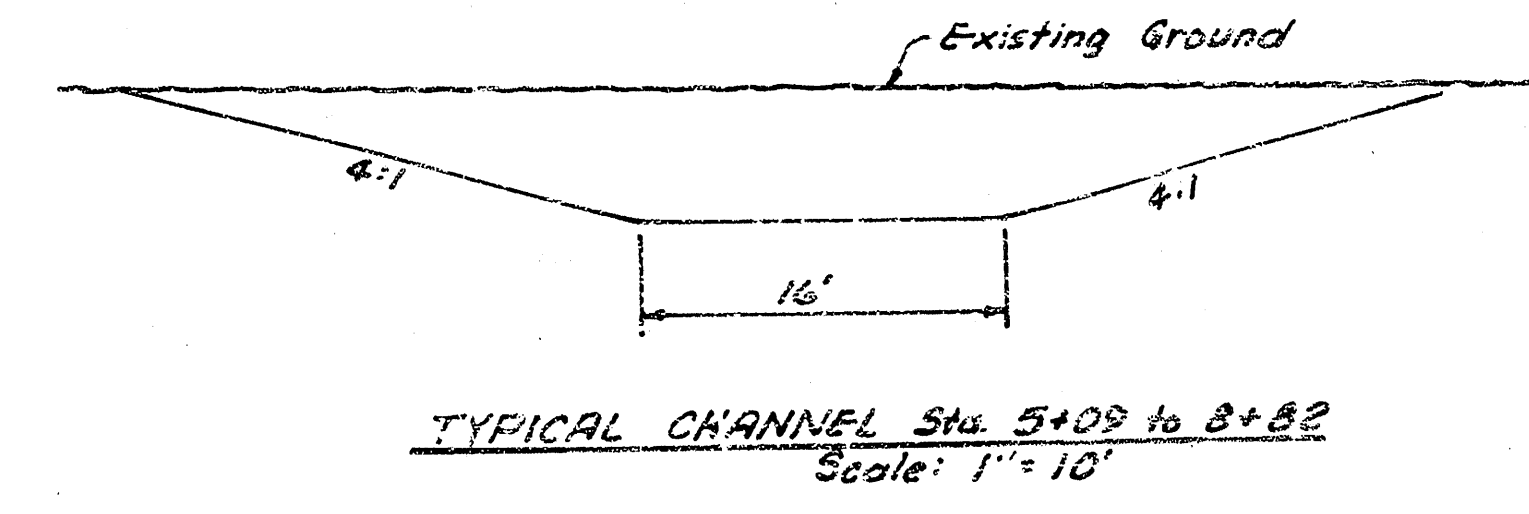
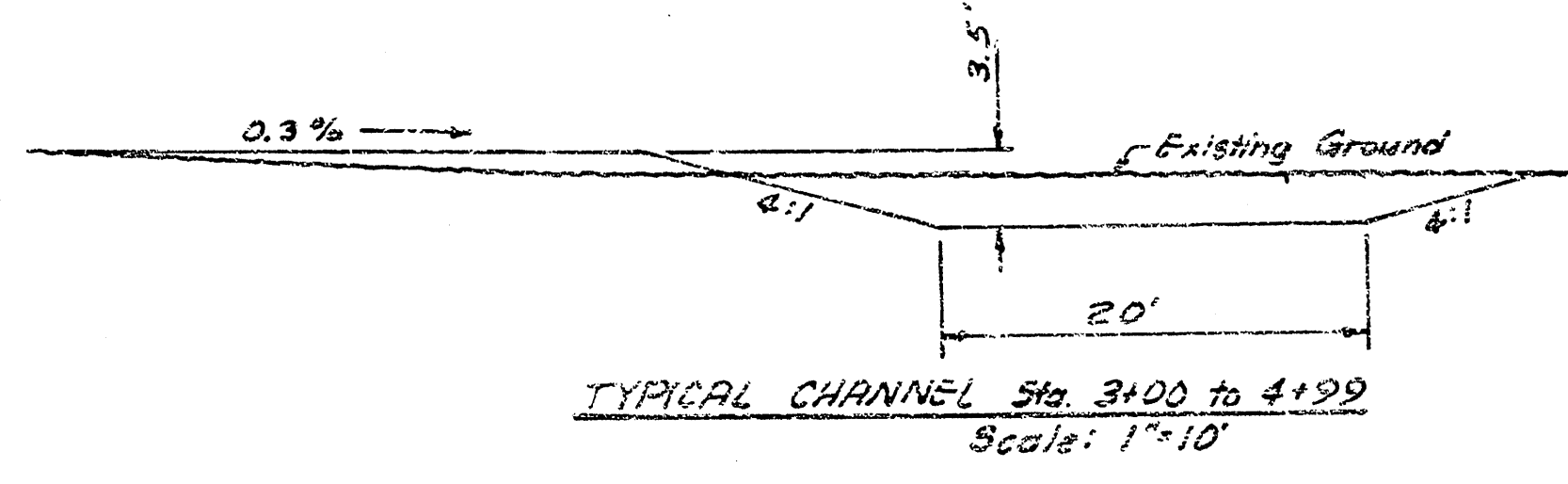
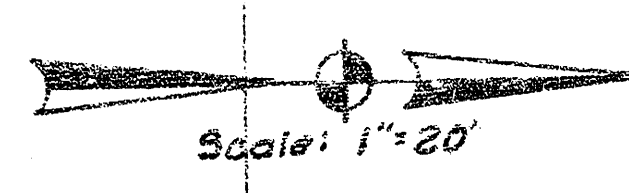
P.C. Sta. 2+83.64

Existing 32" x 33" RCBC
to remain

Constr. 70 5K ± Type 3 Rip-Rap

ROCK ROAD

W.L. Rock Road



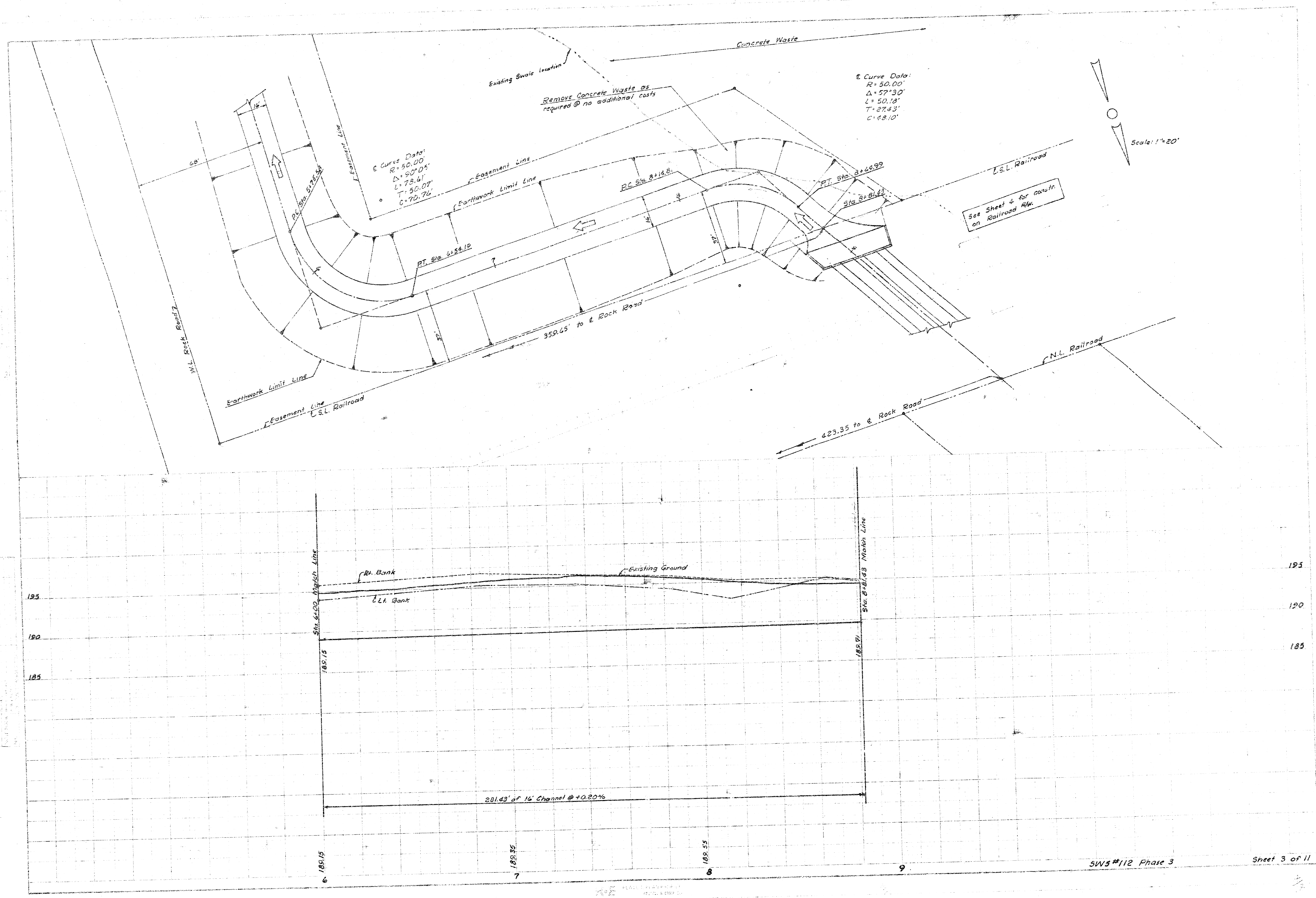
SWS #112 Phase 3

Rev. 3-12-60
Sheet 2 of 11

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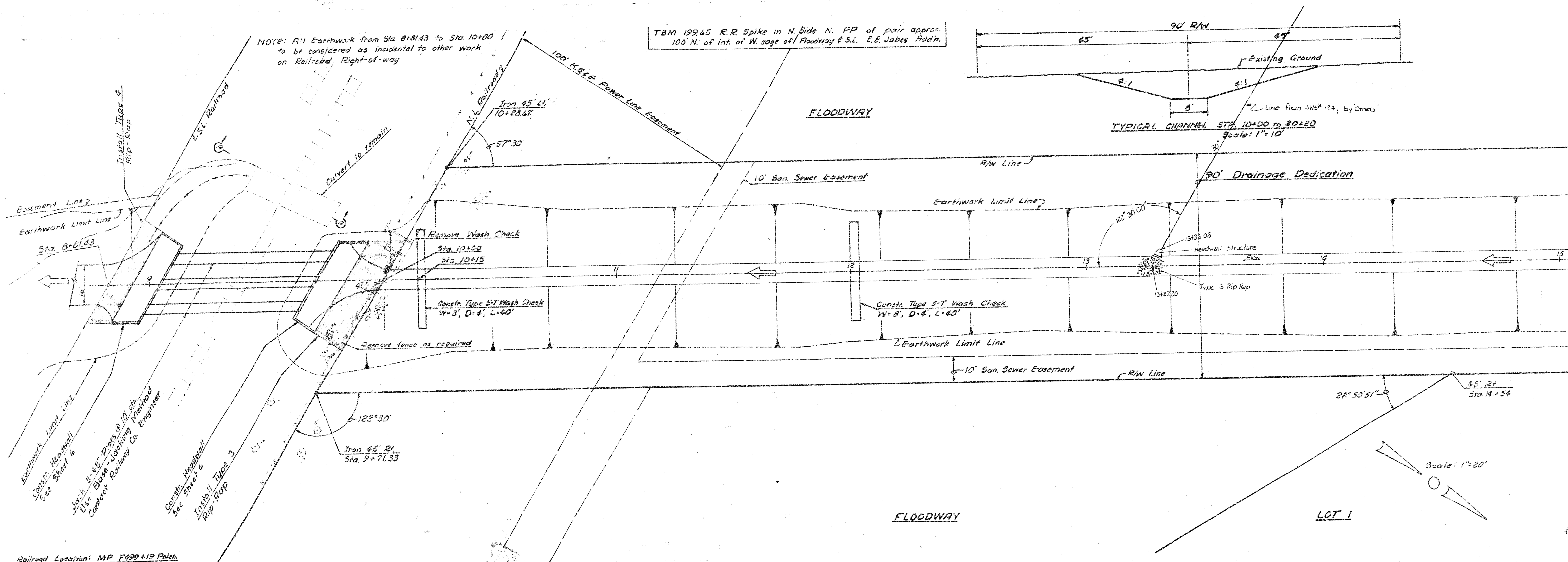
PLAN SHEET DWG-24

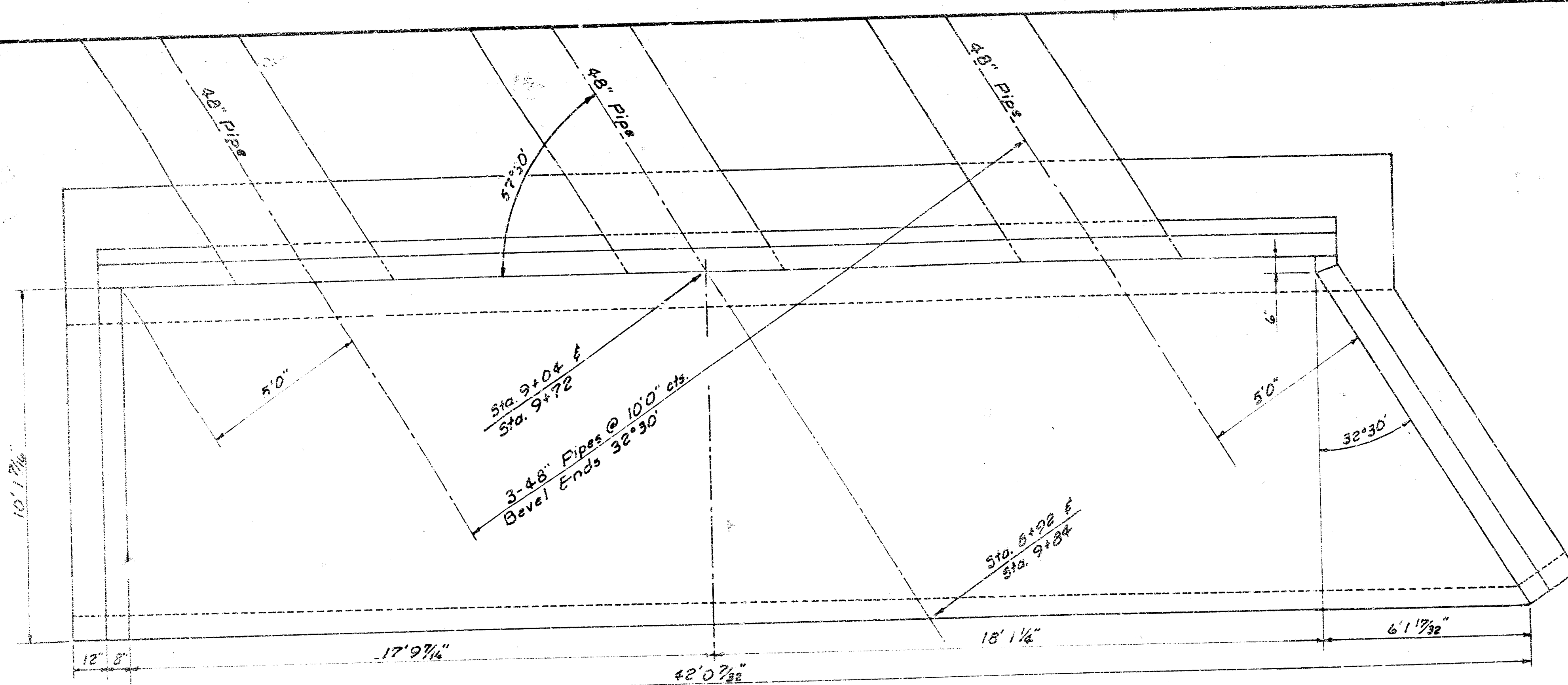
PROFILE



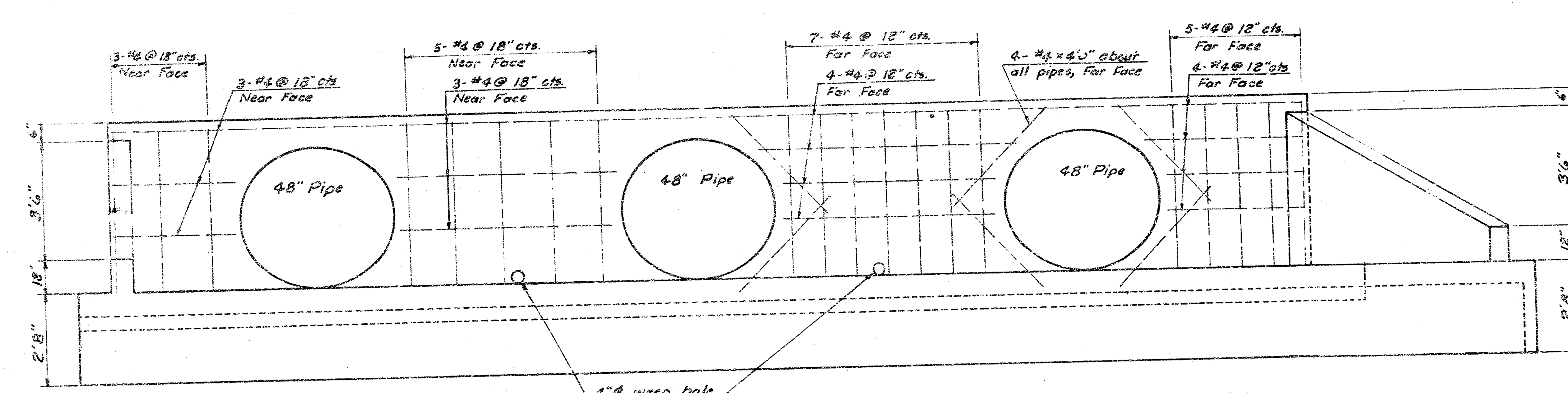
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ADJUST DLM 201
W 3

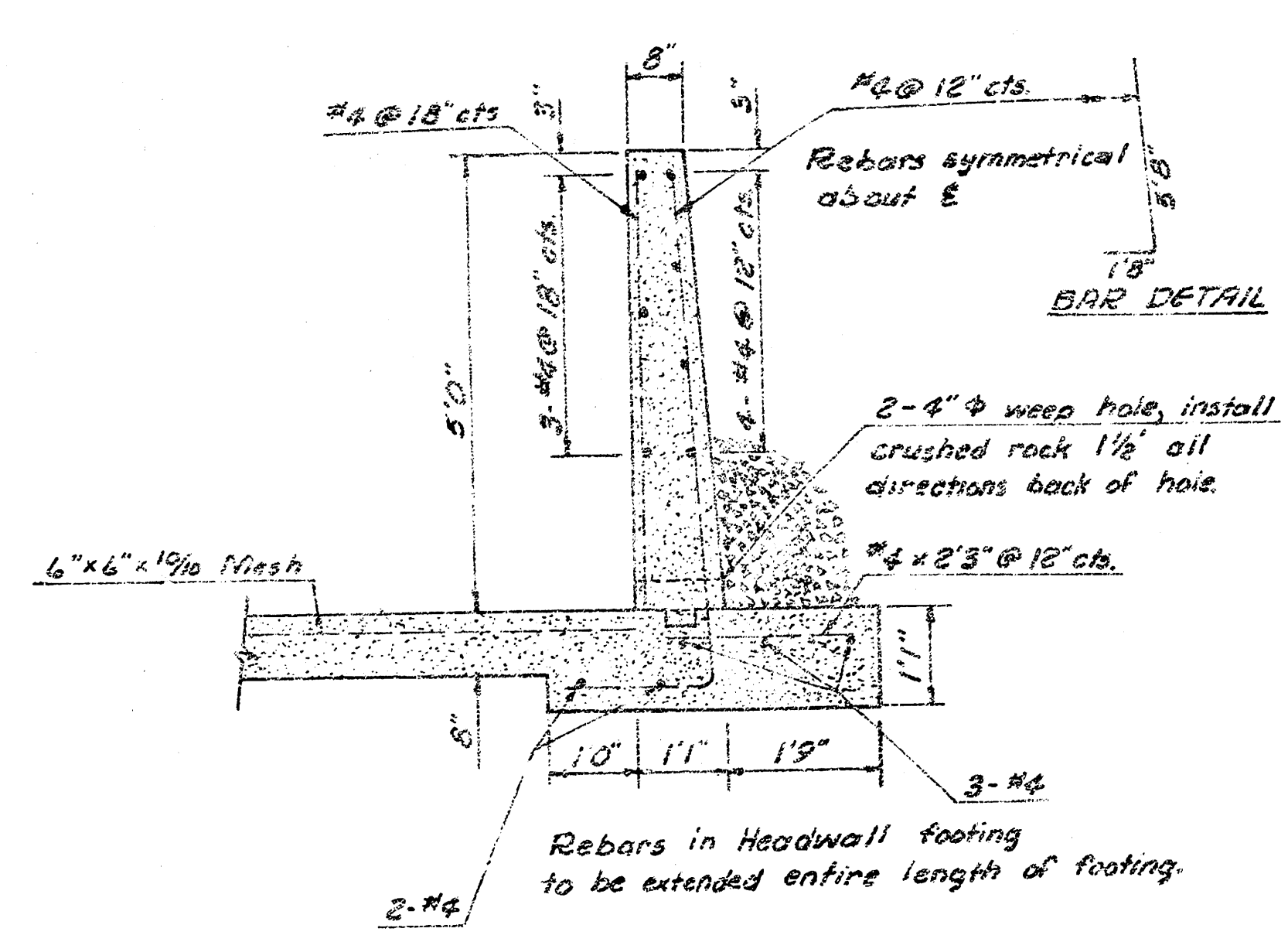




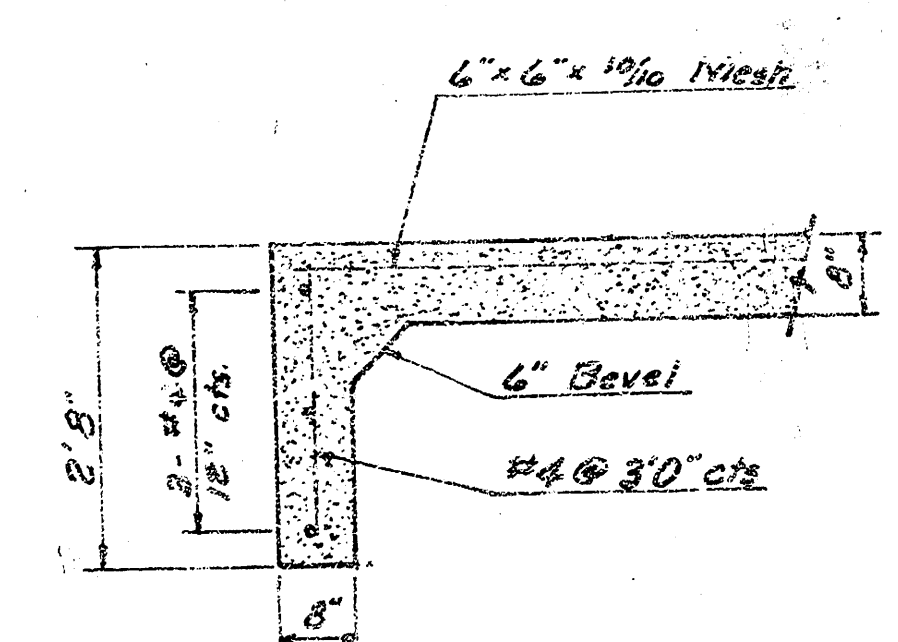
PLAN
Scale: 3/8" = 1'0"



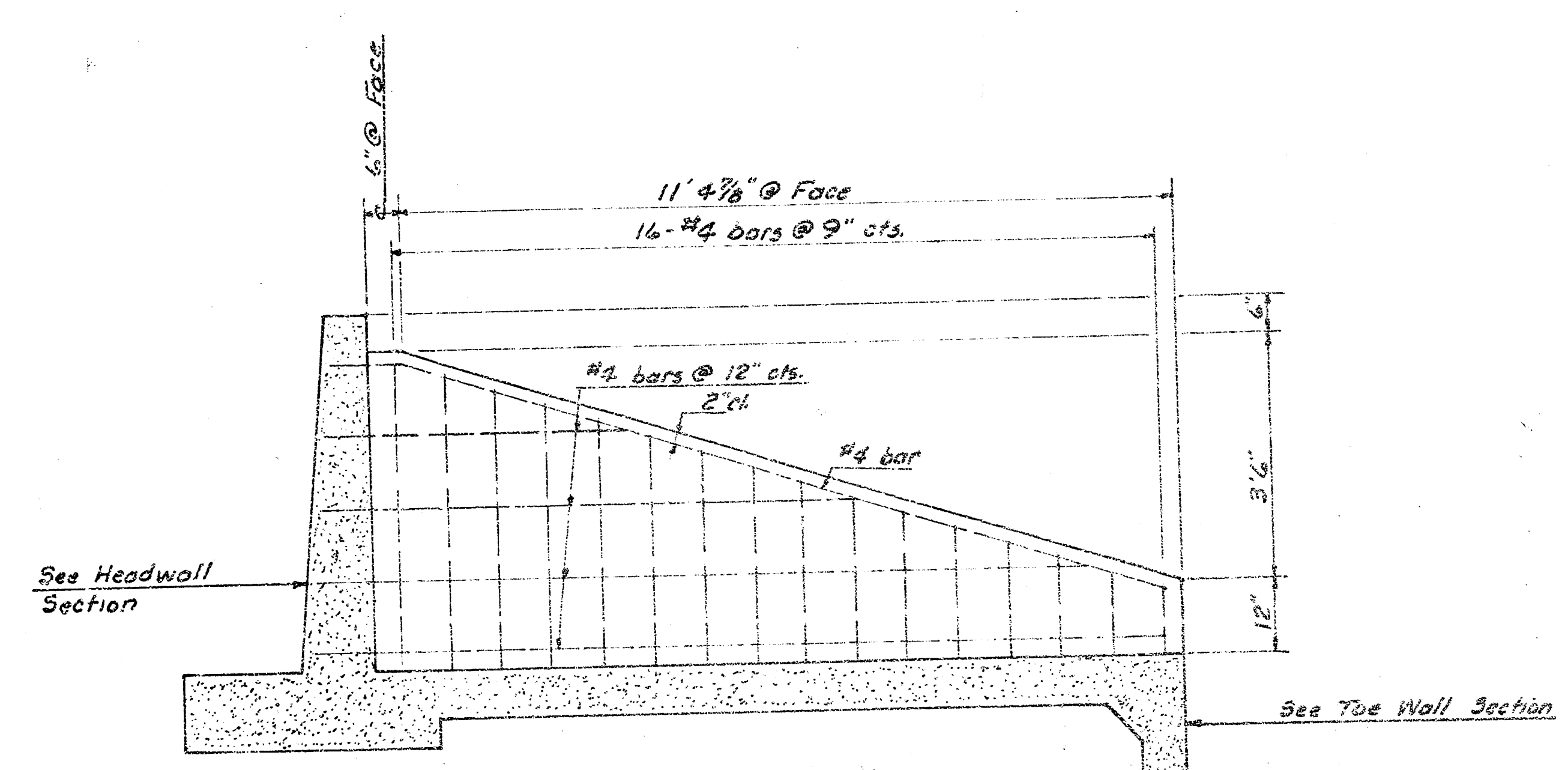
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Scale: 3/8" = 1'0"



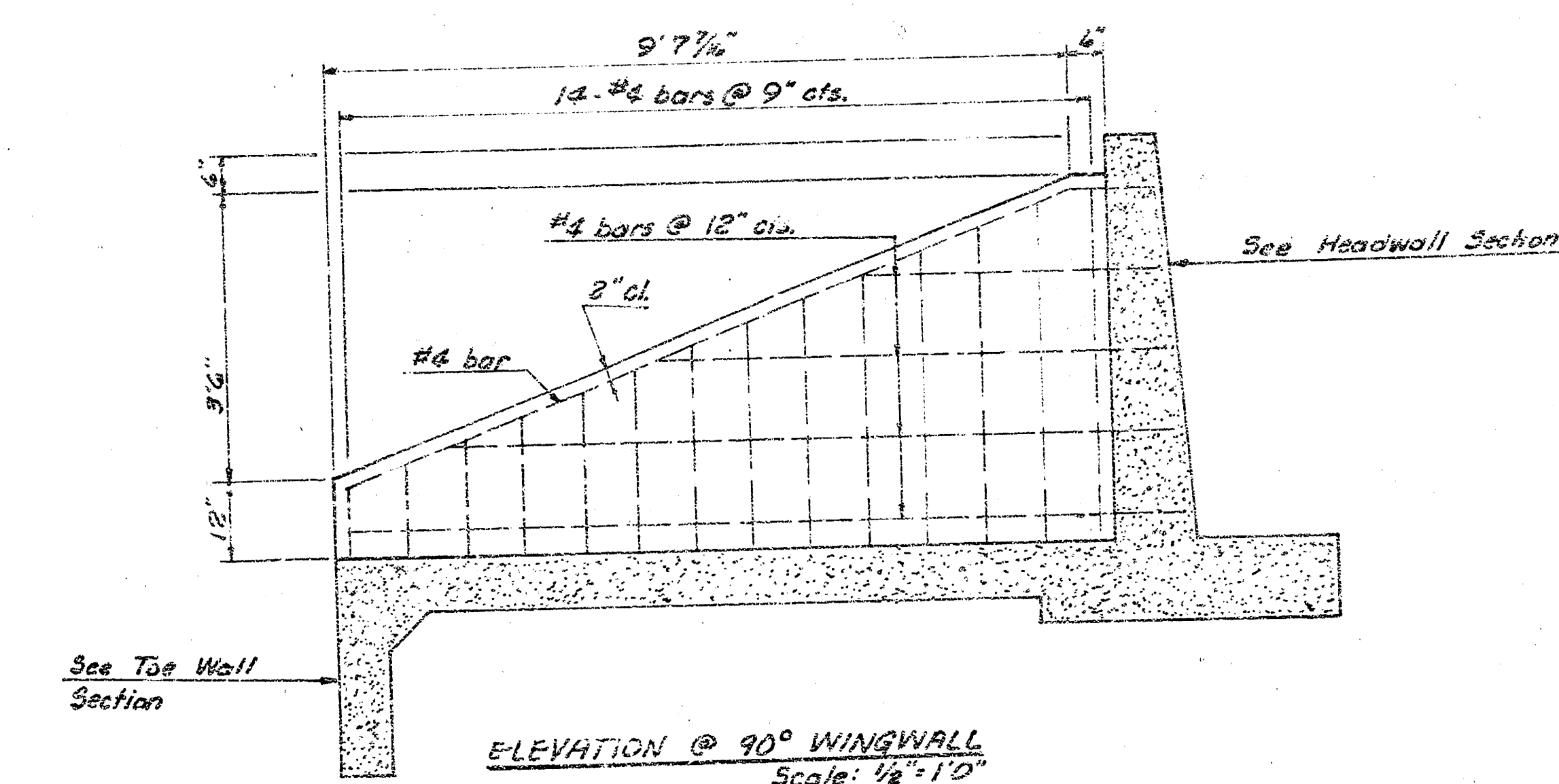
SECTION THRU HEADWALL
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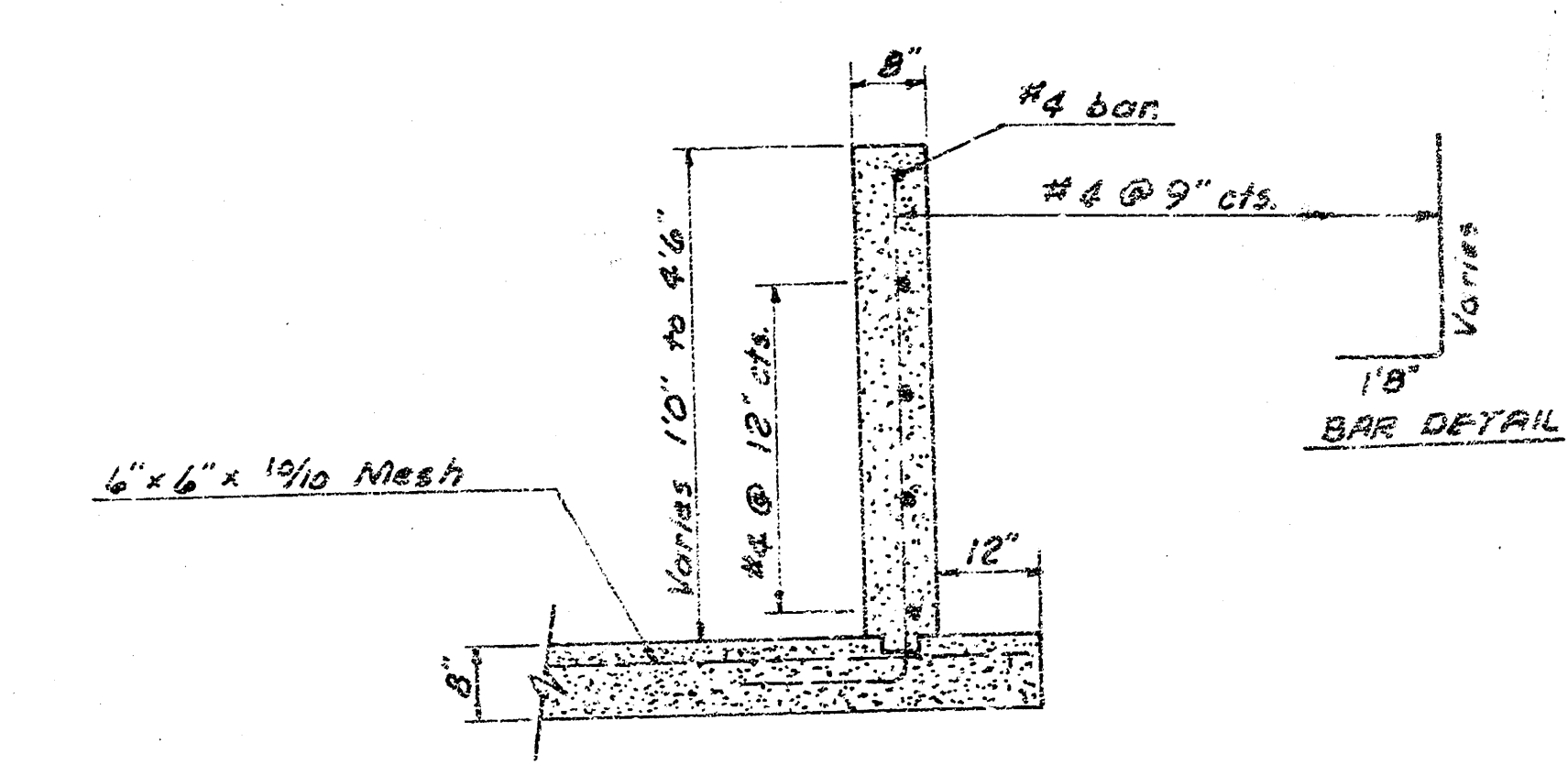
SECTION THRU TOP WALL
Scale: 1/2" = 1'0"



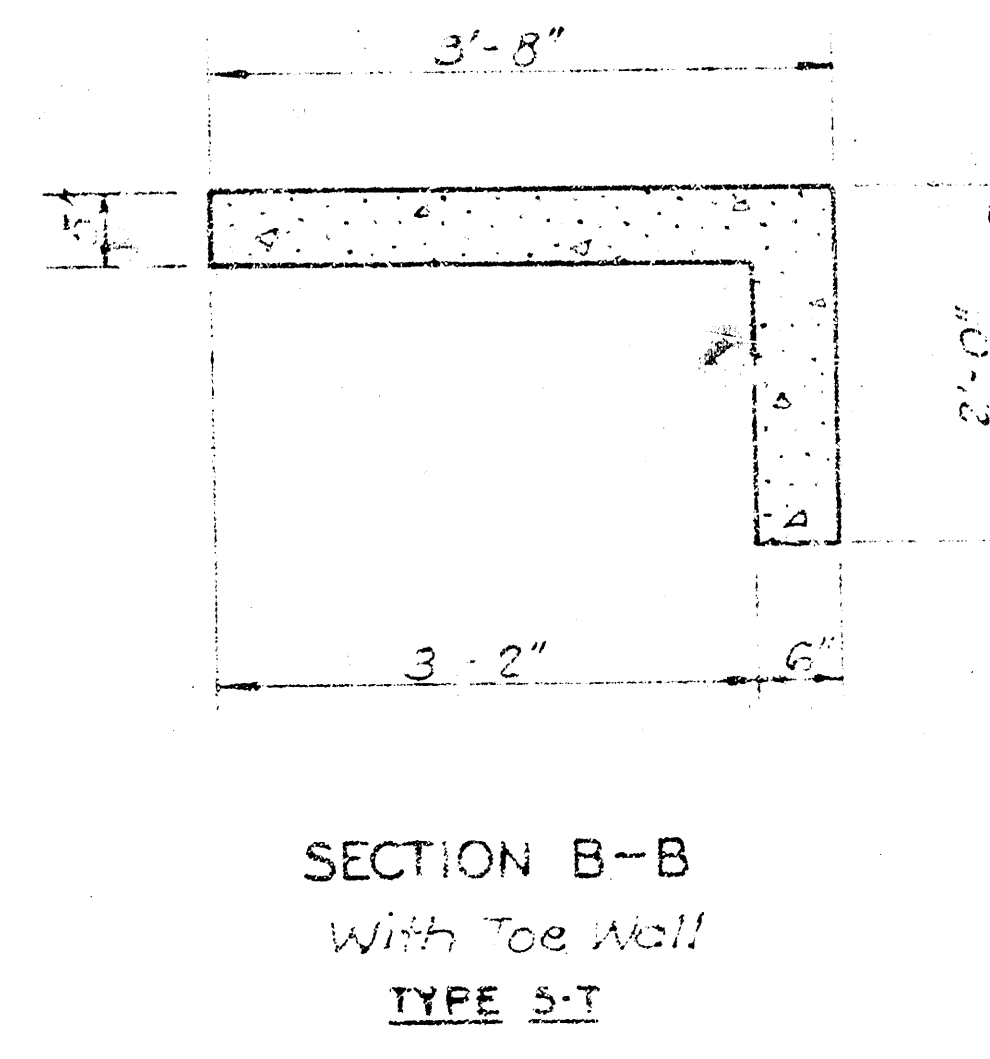
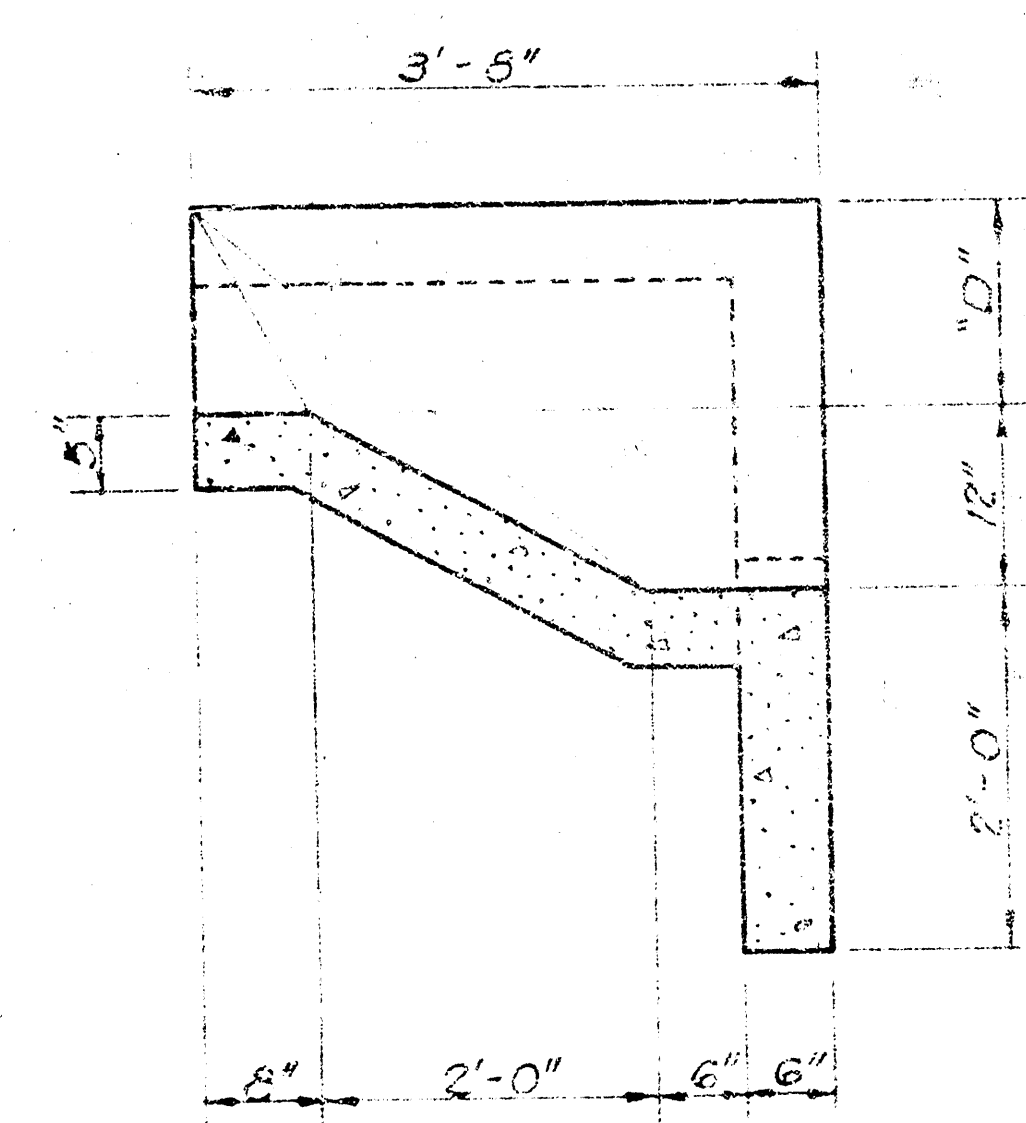
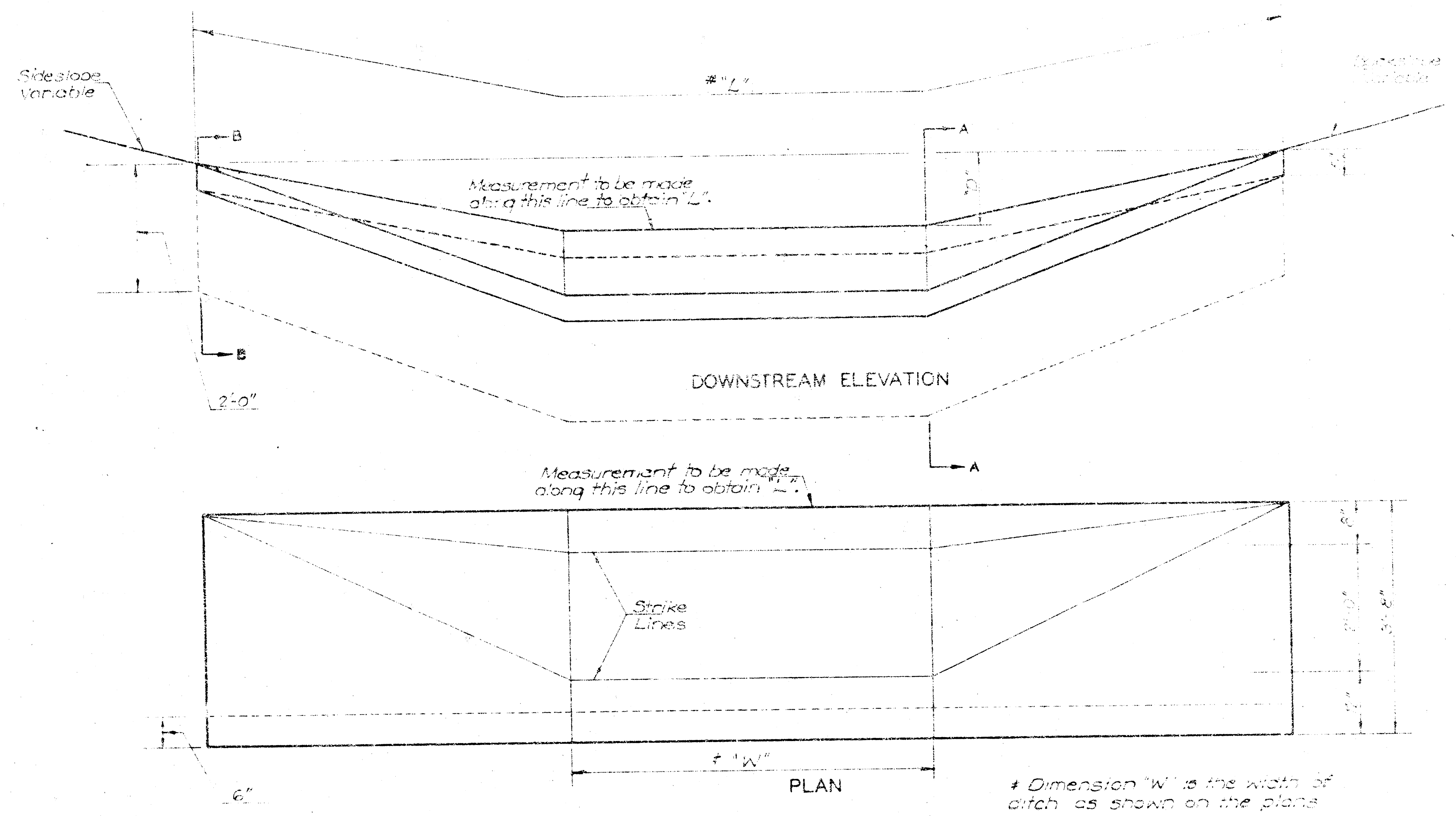
DEVELOPED ELEVATION @ 57°30' WINGWALL
Scale: 1/2" = 1'0"



ELEVATION @ 90° WINGWALL
Scale: 1/2" = 1'0"



SECTION THRU WINGWALL
Scale: 1/2" = 1'0"



6-1-78 Rev. to SWS #112	
NO.	DATE
STATE HIGHWAY COMMISSION OF KANSAS	
WASH CHECKS	
TYPE I & TYPE S	
STD. NO. 506	
SHEET NO.	OF
DESIGNED BY	CHECKED BY
DATE	DATE