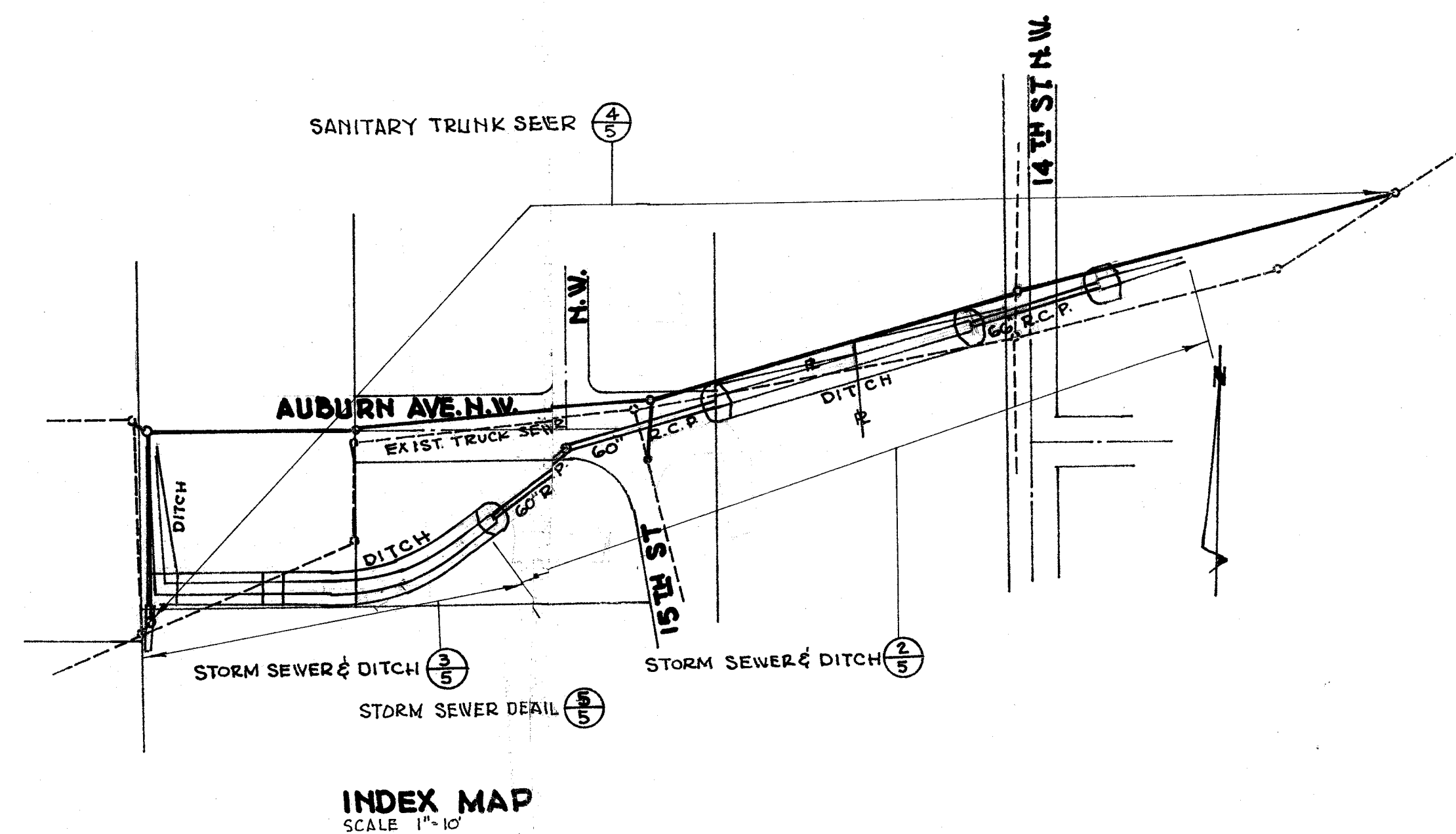
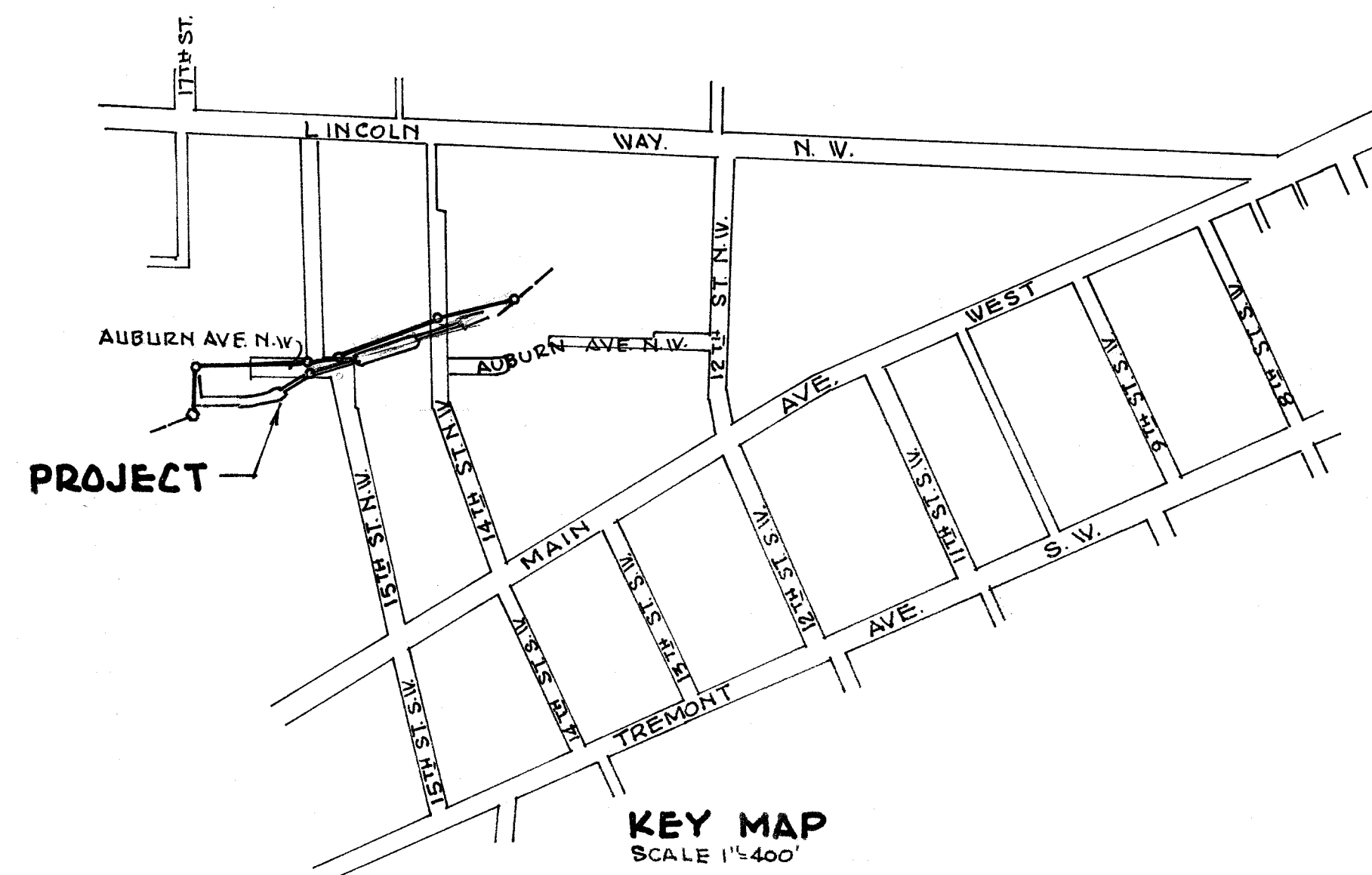


CITY OF MASSILLON, OHIO

STORM SEWER

14TH ST. , 15TH ST. N.W. & AUBURN AVE. N. W.

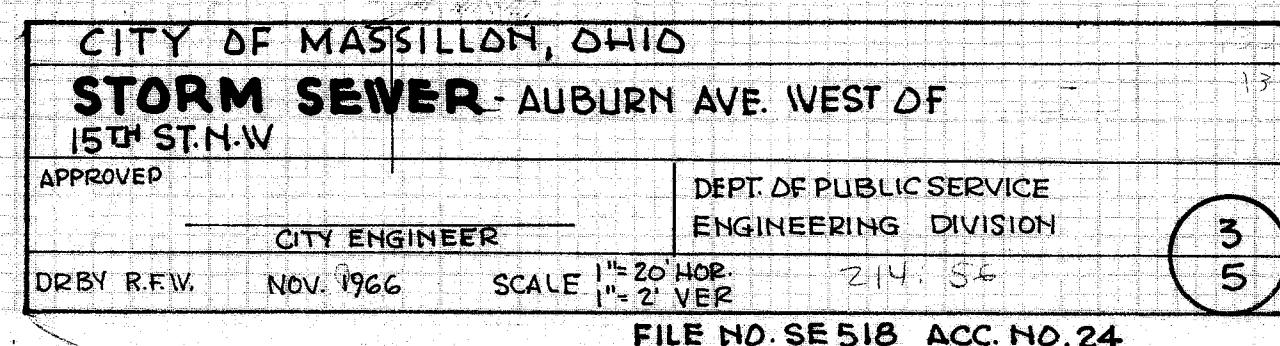
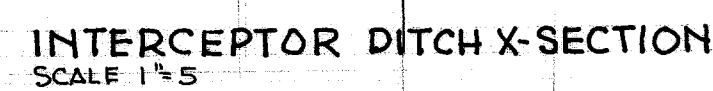
PREPARED BY DEPT. OF PUBLIC SERVICE, ENGINEERING DIVISION
NOVEMBER, 1966

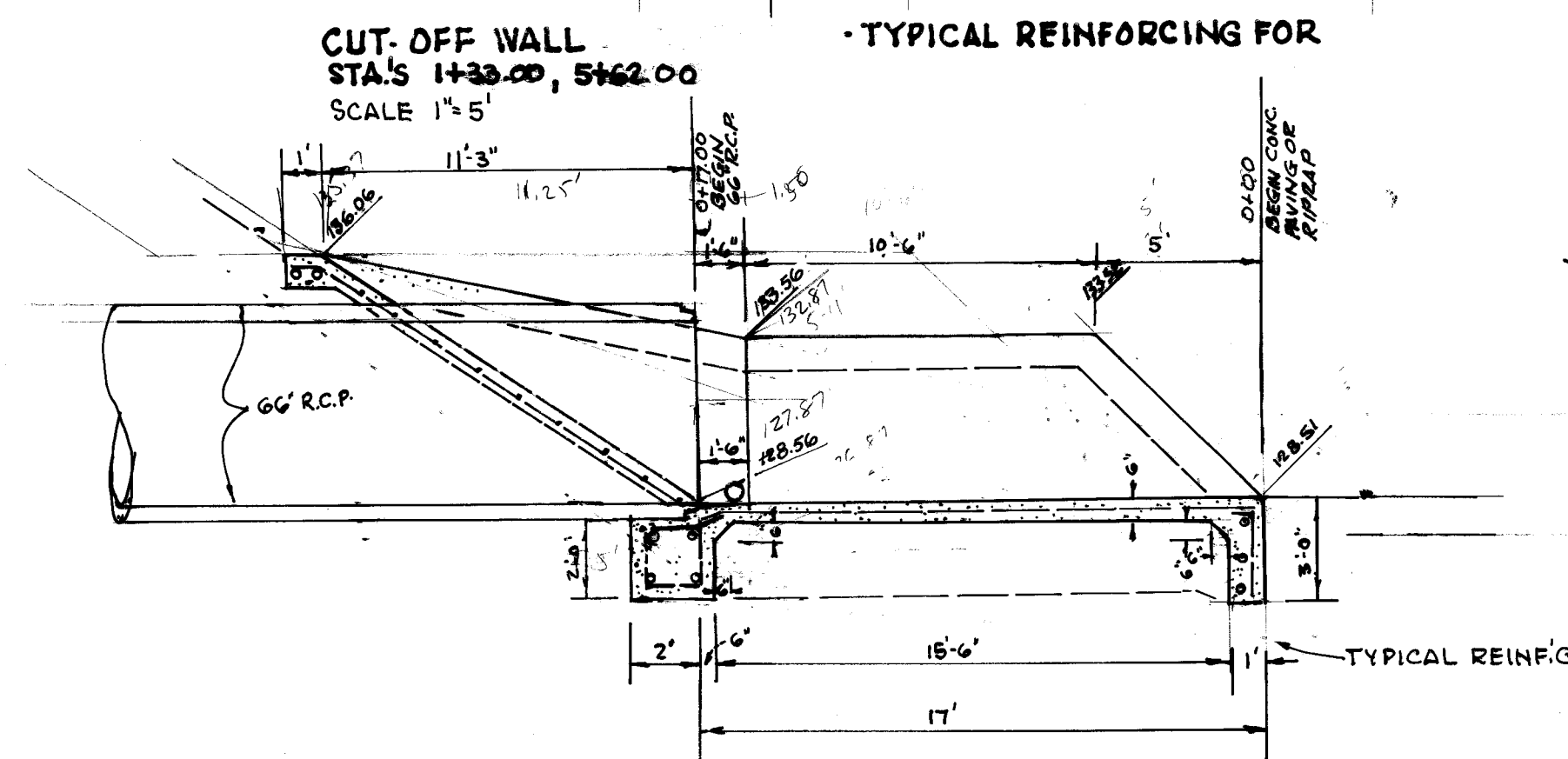
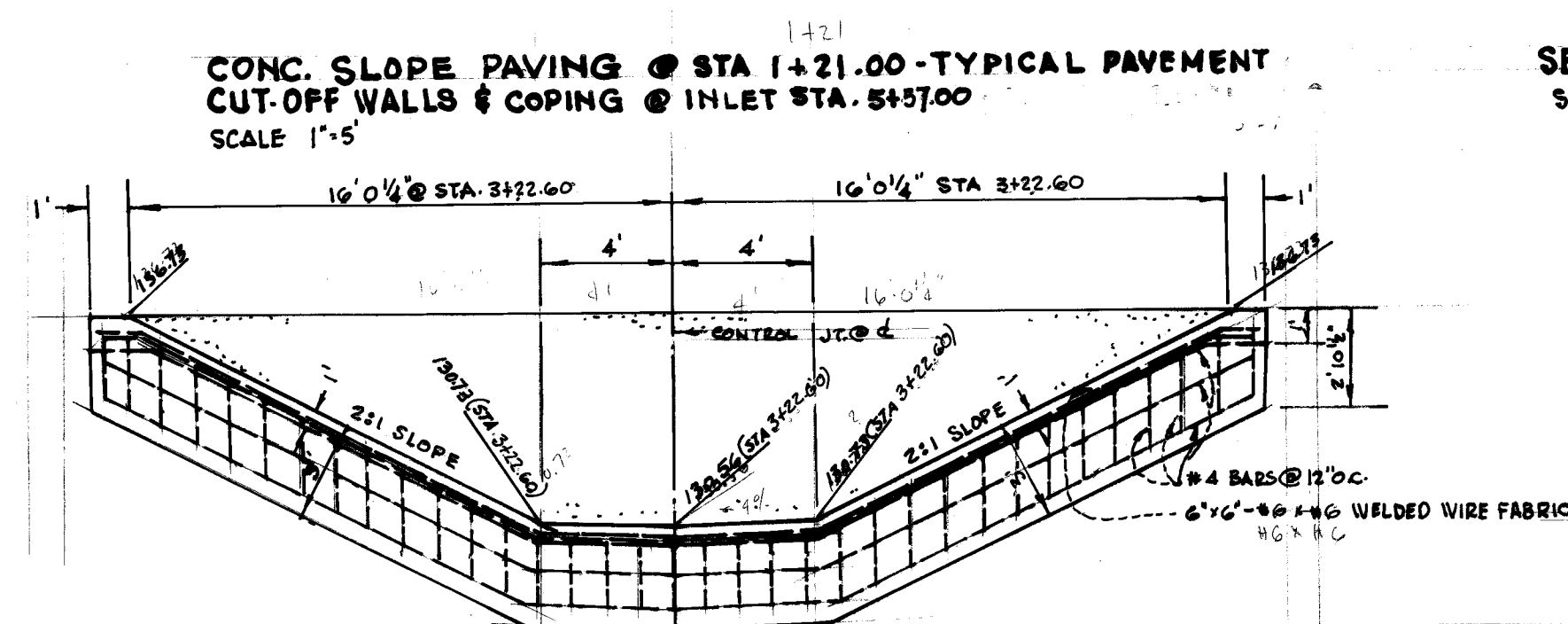
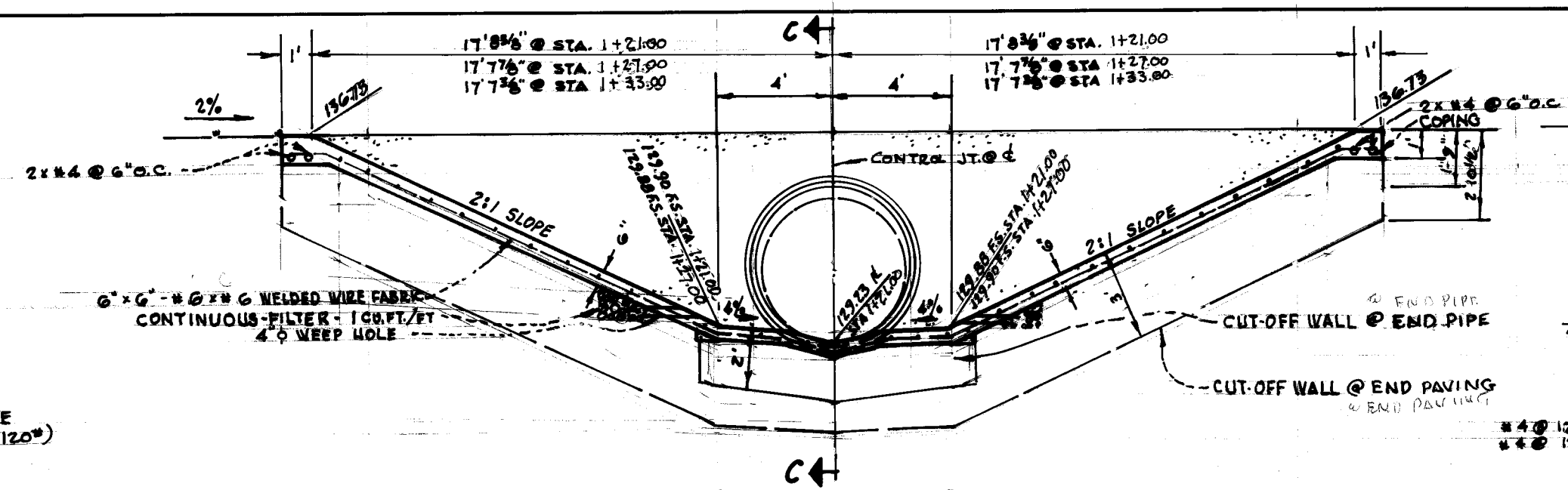
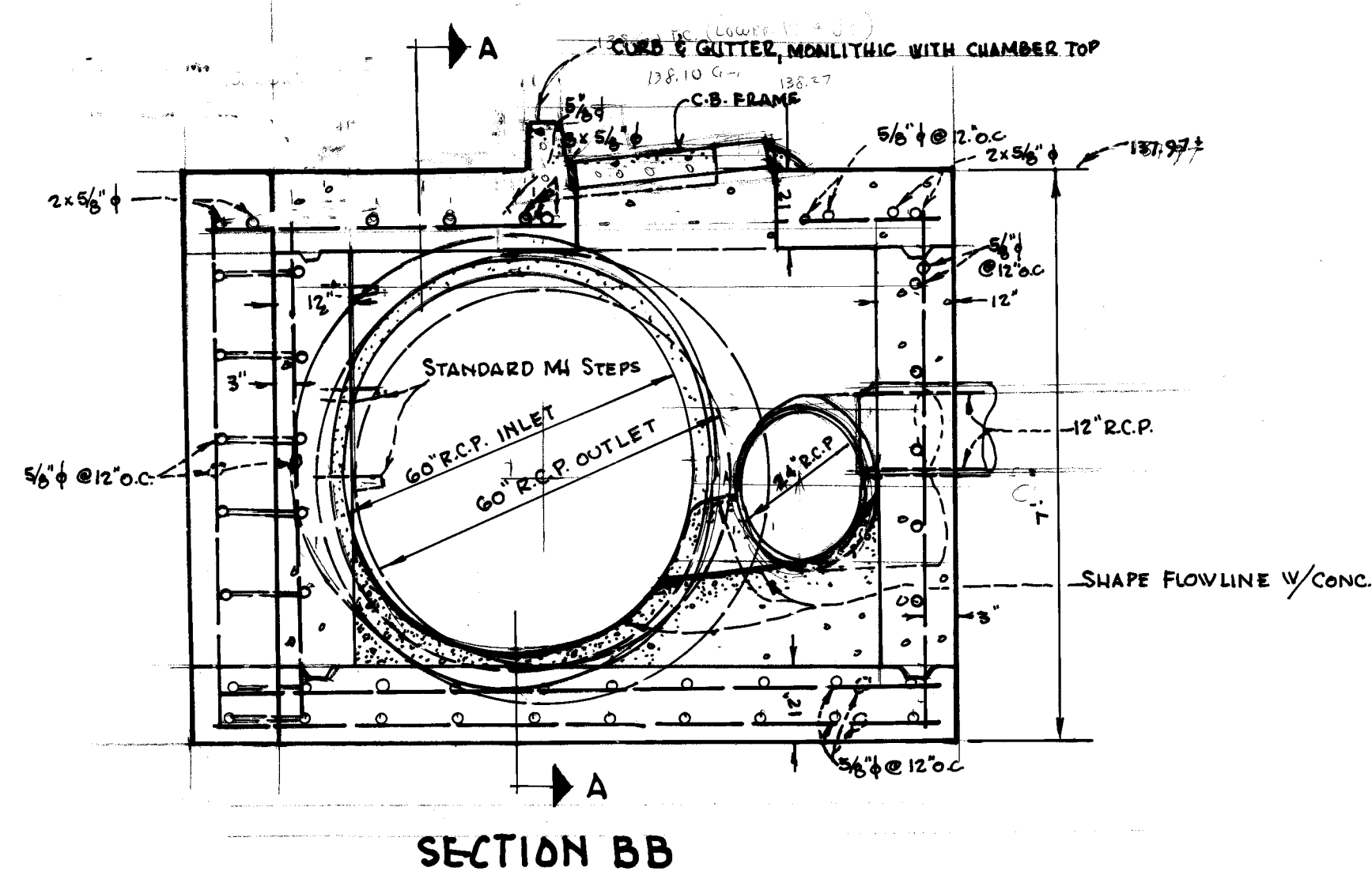
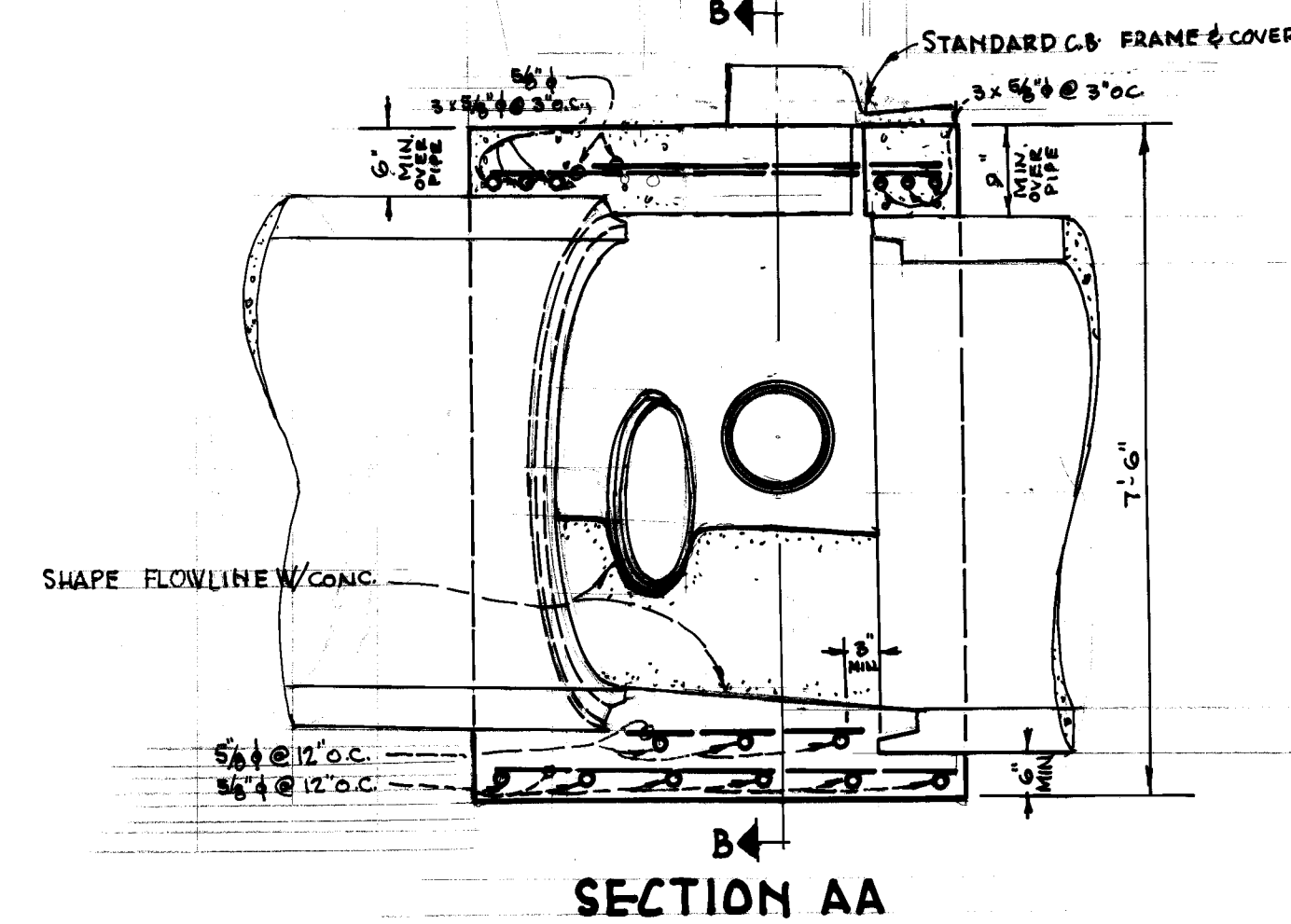
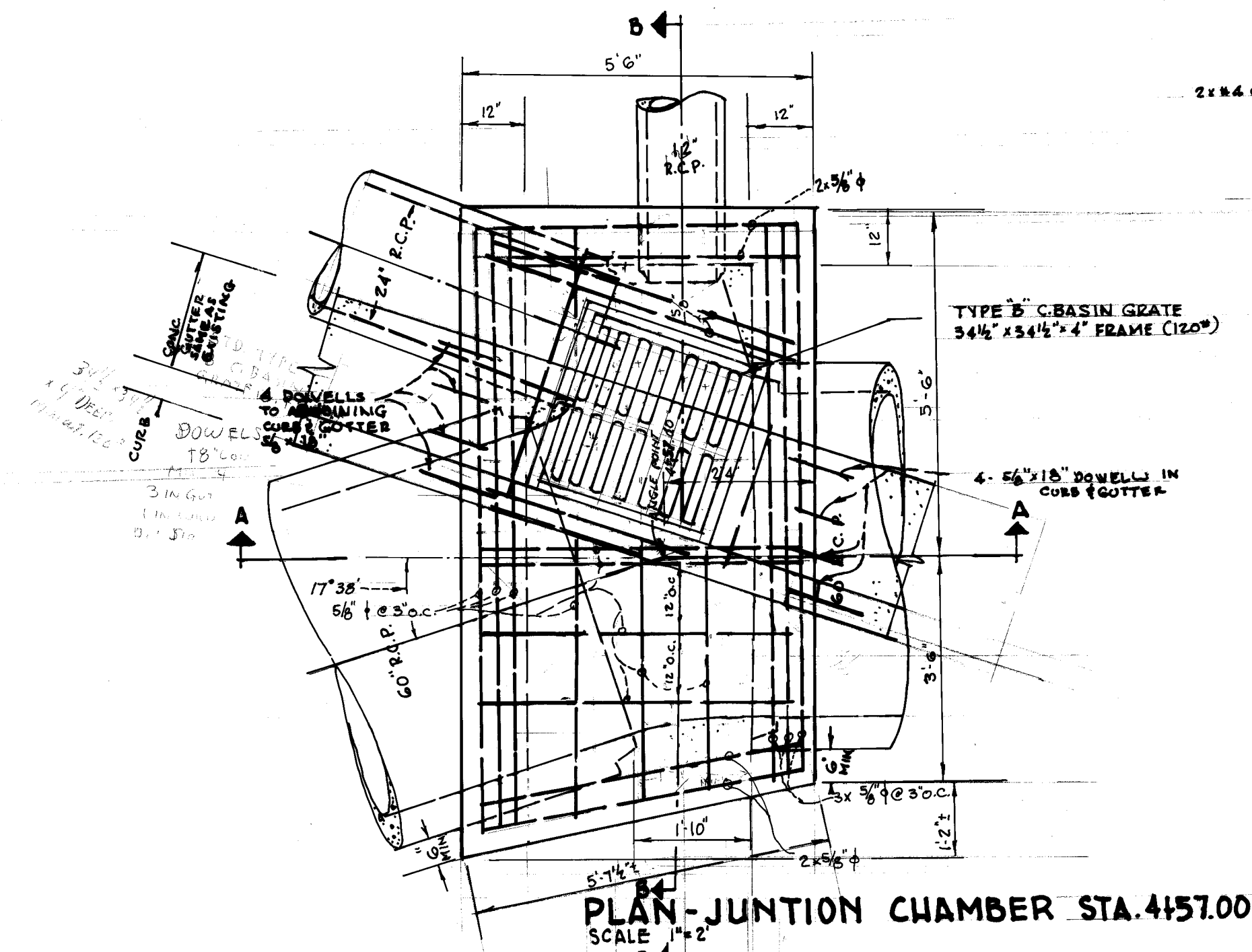


GENERAL CONSTRUCTION NOTES:

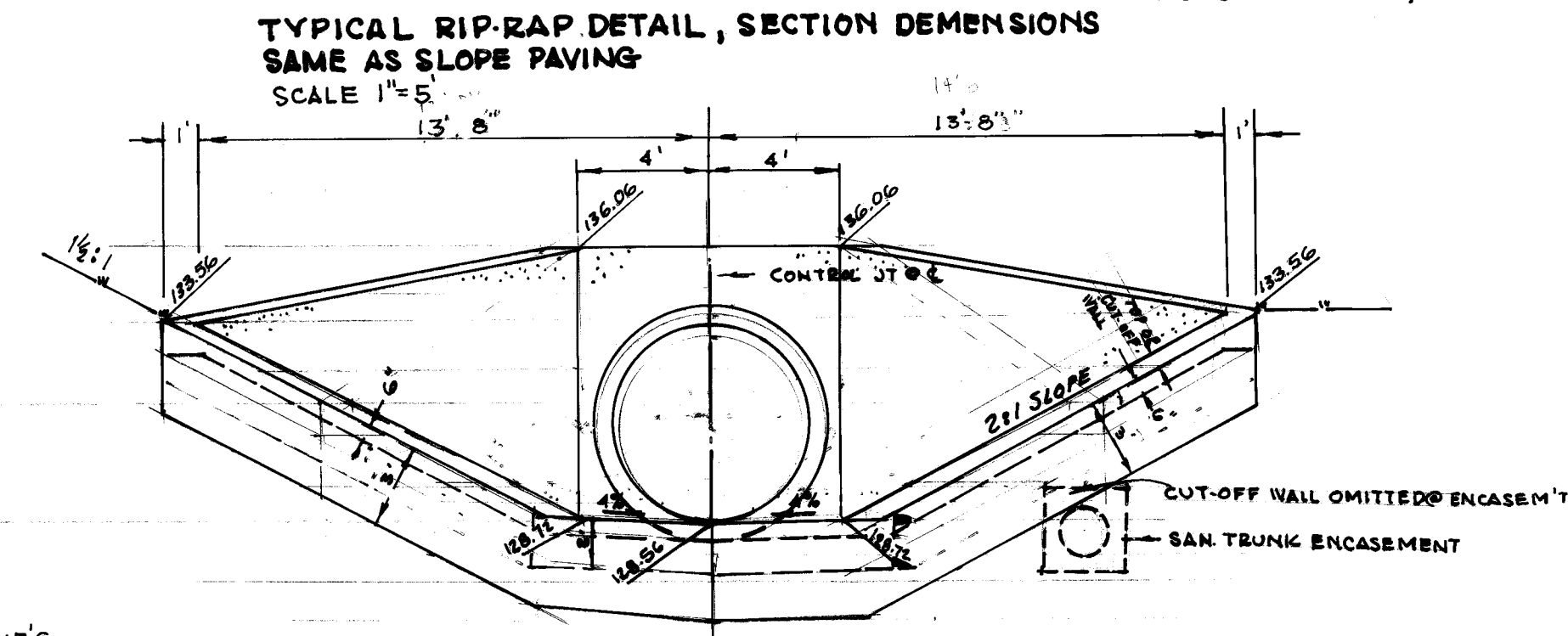
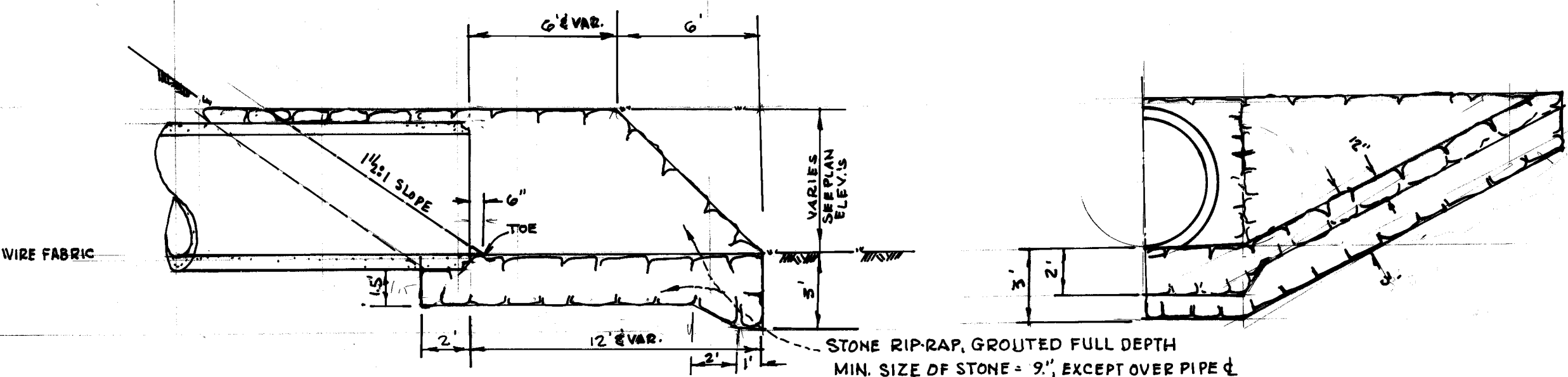
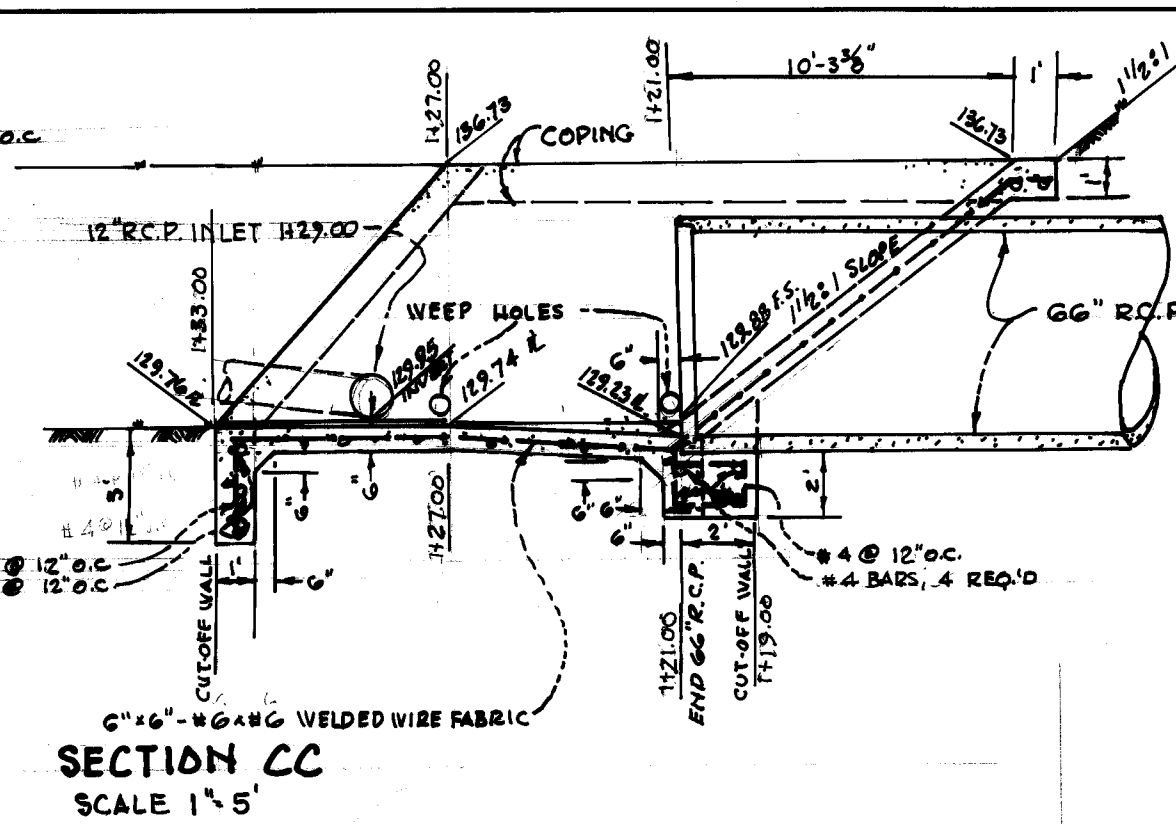
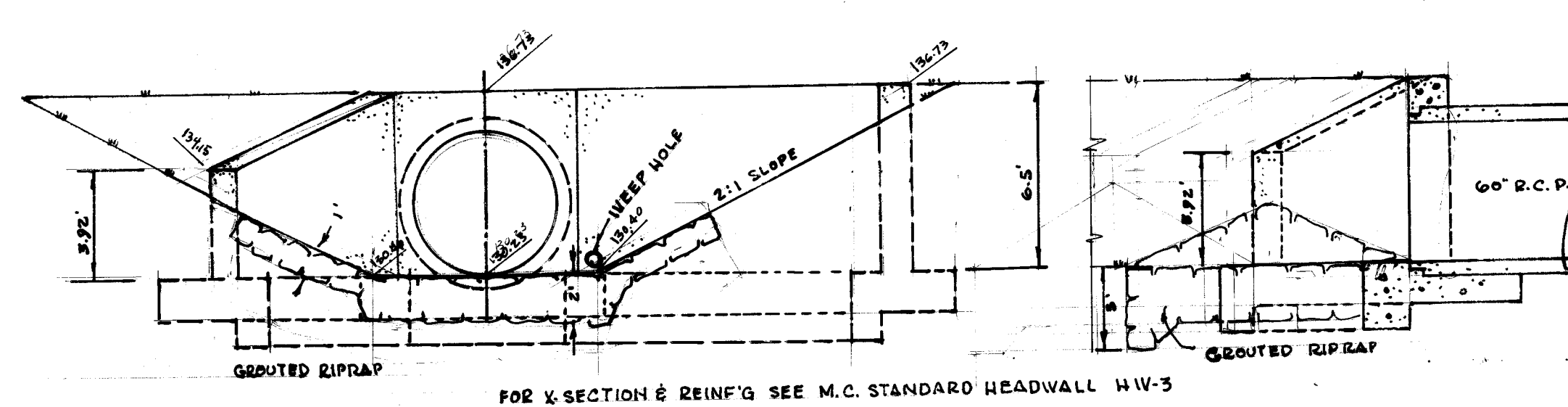
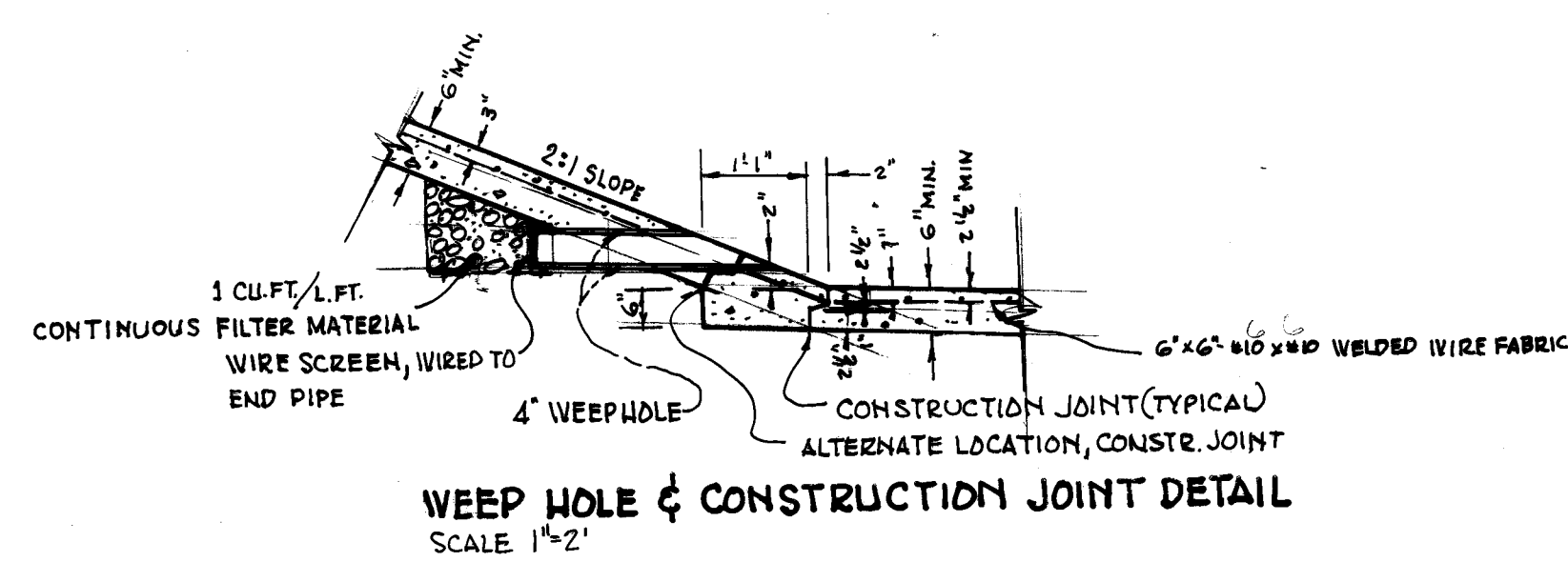
- 1) All concrete walks, curbs, Comb curb & gutter, asphalt driveways and lawns removed ^{or damaged} by contractor to be replaced by him. ~~Any item covers only portions shown on plan and that necessary to construct~~
- 2) All seal resurfacing to be done by others.
- 3) All manholes, Catch basins, Curb & gutter, Sidewalks, Street Cross-sections to be Massillon Standard.
- 4) City is not responsible for underground utilities location or re-location, horizontally, or vertically.
- 5) All trenches to be compacted per sect. 5-104 and the cost included in price per unit of pipe, manhole, junction chamber, catch basin, headwall and grading. If exist. material is unsuitable for backfill, trenches shall be filled with #3 or #4 gravel and paid under under gravel item. If unsuitable earth is encountered in grading along storm ditch, it shall be removed and backfilled with compacted, with a min. of 12" of clay and topsoil on finished surface.
- 6) Exist. Manhole and catch basin casings may be used on new manholes and C. Basins, remaining casing to be property of the City. Manhole casings to have proper lettering.
- 7) Payment for grading to finish surfaces. Grading for subgrade to be included in price per unit of conc. slope paving, Riprap, sod, etc.
- 8) Riprap maybe broken concrete, Grouted, to State Highway Specification, Item 601.04 or broken rock, Grouted, State Highway Specification, 601.08, Type A, dumped rock, surface not to vary more than 3" from plan grade & cross section.
- 9) Finish grade of ditch not to vary more than 0.2' from finish plan grade & cross section.
- 10) Sodding per State Highway Specification, item 660.
- 11) All existing lawn areas shall have 4" of topsoil raked and seeded. All other exposed earth areas outside of roadways, sidewalks, & drives, to be seeded. Seeding to State Hwy. Specifications, item 659.09.
- 12) Vehicle traffic on all streets & driveways within the R/W. shall not be closed for more than 7 continuous days at one time. Pedestrian traffic must be maintained, one means on 14th St. and one on 15th St. at all times.
- 13) Inspectors to be paid by the contractor for all time required on the job before 8:00 A.M. and after 4:30 P.M. Monday thru Friday and all time on Saturday and Sunday at the rate of time and one-half.
- 14) Paved C.M.P. to be fully asphaltic coated and paved, copper steel pipe.
- 15) The removal of existing storm sewer pipe to be included in cost of new pipe. The city does not want salvaged pipe.
- 16) Any street and traffic signs removed shall be replaced at no extra charge. If damaged they shall be replaced by contractor. Site to be left in a neat, clean condition and no abrupt grade changes.
- 17) Drawing of Standards referred to in Plans and specifications may be acquired upon request.

ORIGINAL	SURVEYED	BY	DATE
SURVEY	PLOTTED		
NOTE BOOK	TEMPLATE		
	AREAS		
NO.	AREAS CHECKED		

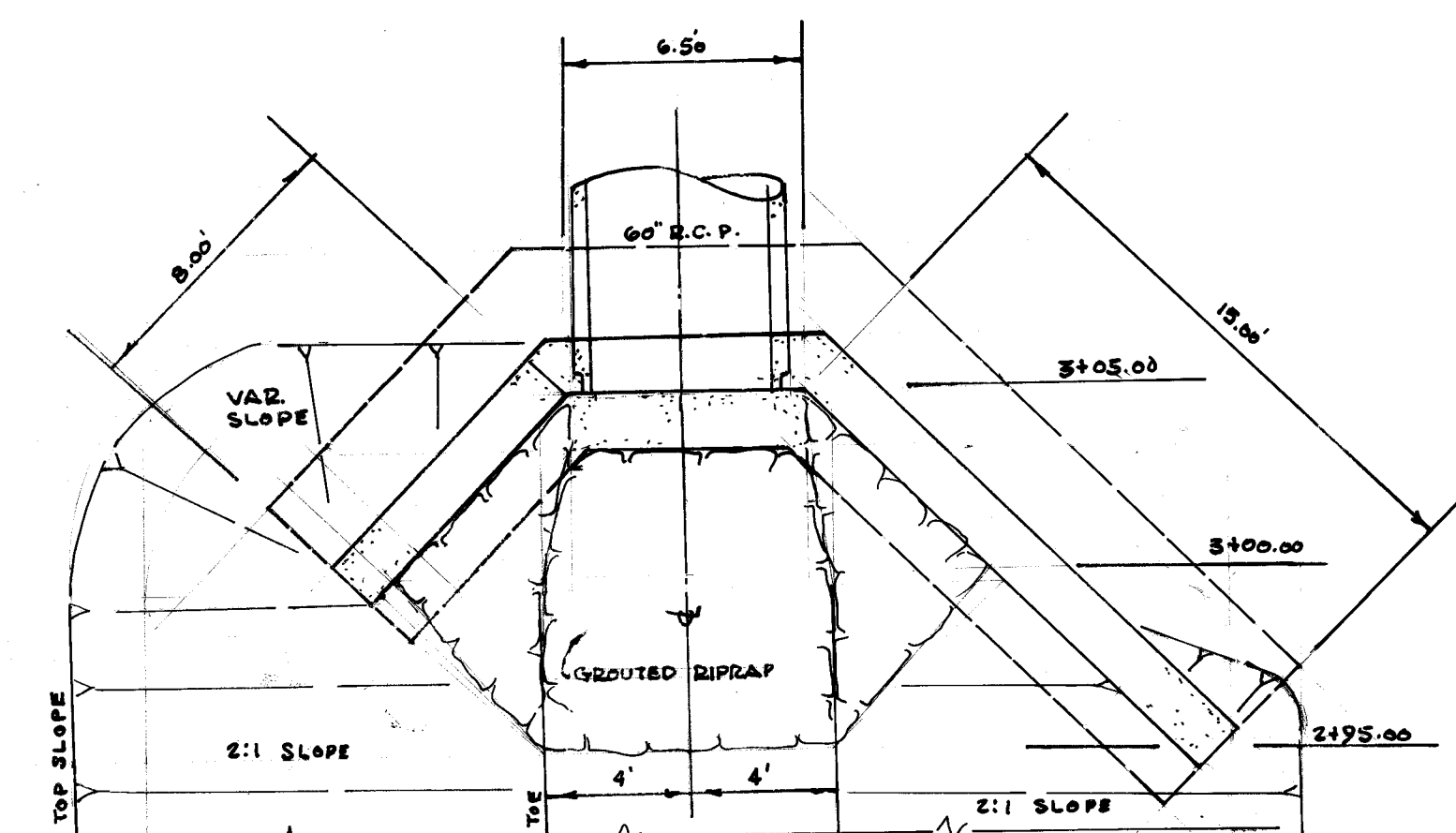




CONC. SLOPE PAVING - STA. 0+00.00
SCALE 1"=5'



CONC. SLOPE PAVING - STA. 0+00.00
SCALE 1"=5'

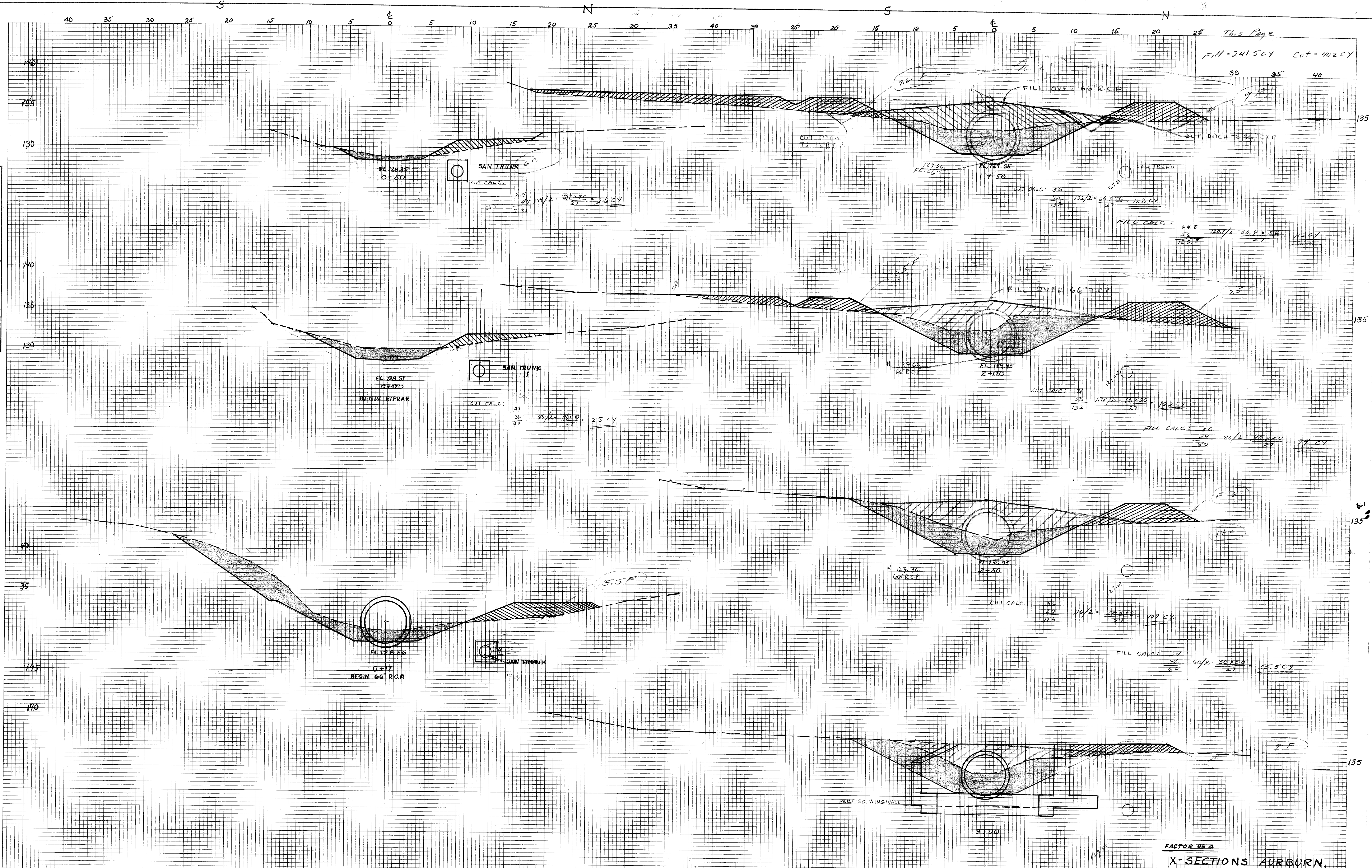


14TH, 15TH & Aurborn
x sections

Total Cubic YARD Cut = 1035.3 cy
" " " Fill 580.5 cy

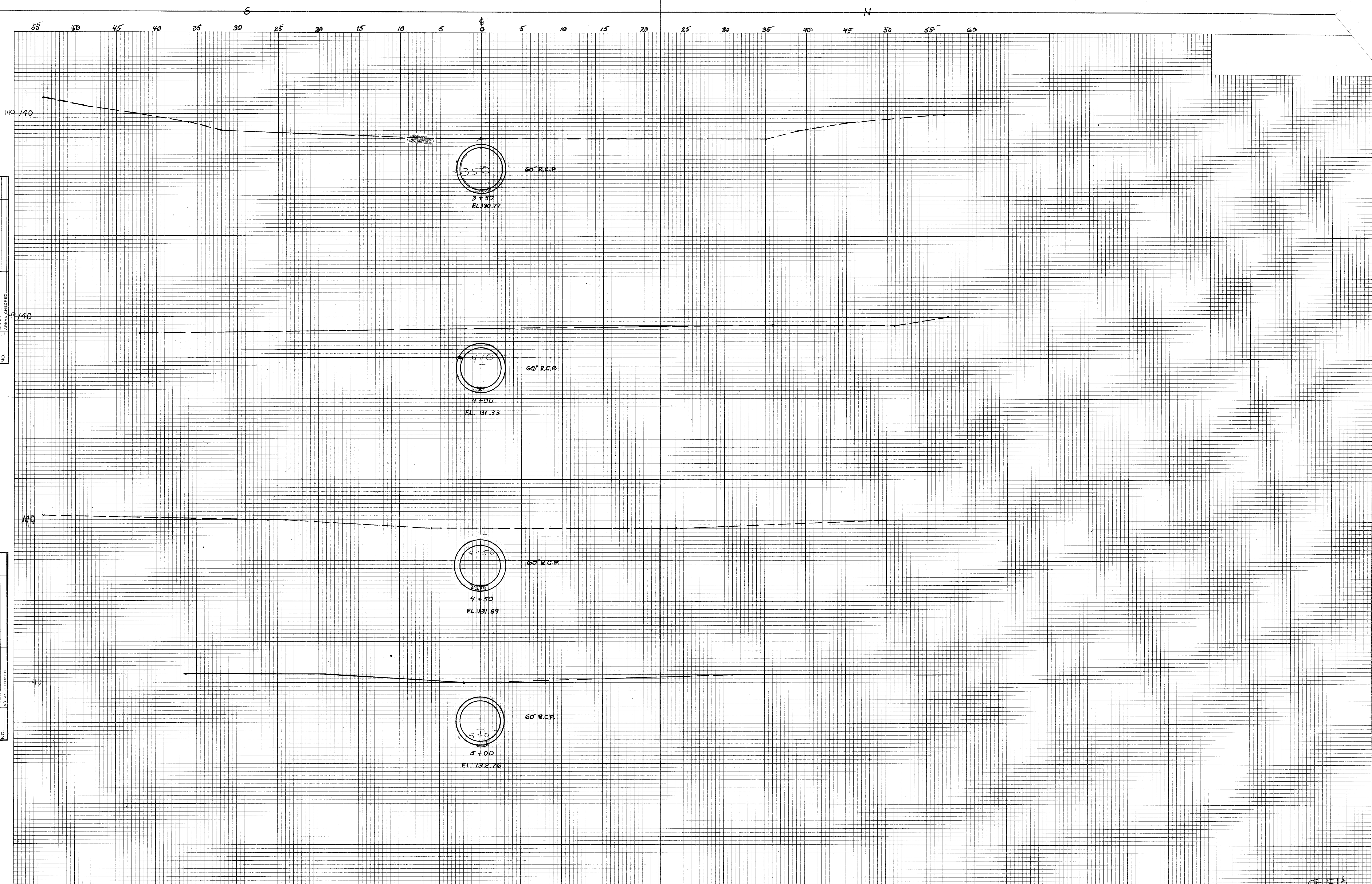
DATE	BY
SURVEYED	
PLOTTED	
NOTE BOOK	
NO.	
AREAS CHECKED	

DATE	BY
ORIGINAL	
SURVEY	
PLOTTED	
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AREAS CHECKED	



FINAL SURVEY	SURVEYED	BY	DATE
	PLOTTED		
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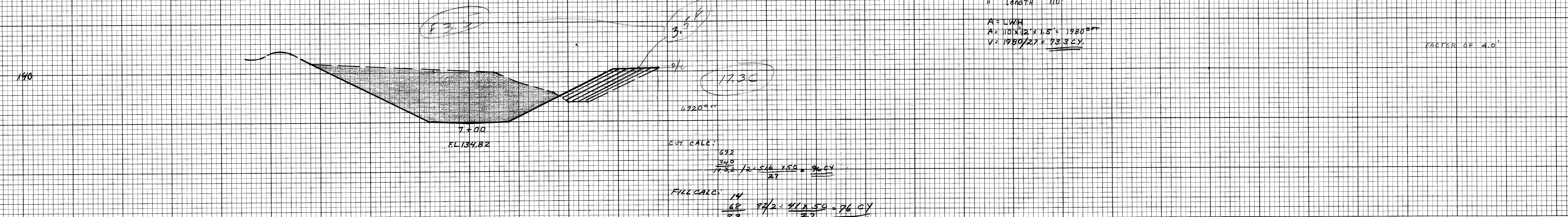
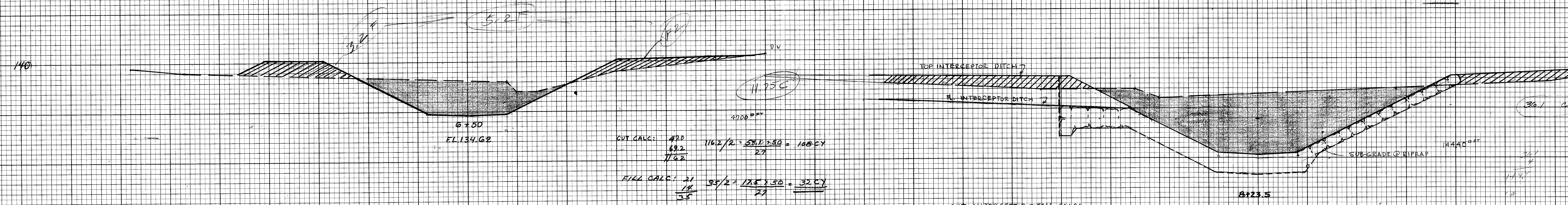
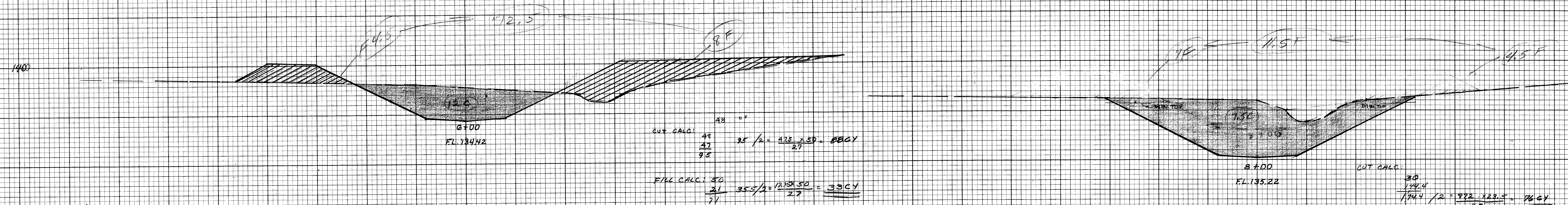
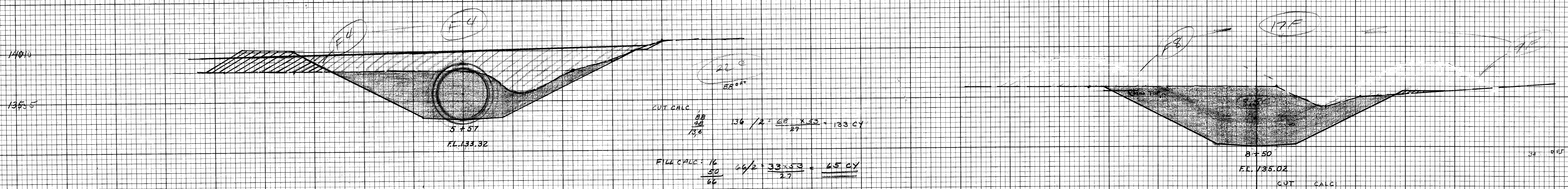
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	PLOTTED		
	NOTE BOOK		
	NO.		



FINAL SURVEY	DATE
SURVEYED	BY
PLOTTED	
NOTE BOOK	
AREAS CHECKED	

ORIGINAL SURVEY	DATE
SURVEYED	BY
PLOTTED	
NOTE BOOK	
AREAS CHECKED	

This Sheet
Fill 339 CY Cut 633.3 CY



CUT INTERCEPTOR DITCH CALC:
AVERAGE WIDTH 12'
" CUT 1.5'
" LENGTH 110'
A = LWA
A = 110 x 12' x 1.5' = 1980
V = 1980 / 27 = 73.3 CY

PLAN	SURVEYED	DATE
NOTED	BY	
NO.		

PROFILE	SURVEYED	DATE
NOTED	BY	
NO.		

- NOTE: 1. ALL WORK TO FOLLOW MASSILLON SUBDIVISION REGULATIONS
 2. CONTRACTOR TO NOTIFY ENGINEER'S OFFICE OF ALL WORK
 3. CONTRACTOR TO NOTIFY ALL UTILITIES BEFORE EXCAVATION BEGINS.
 4. ALL SANITARY AND STORM DITCHES TO BE BACKFILL WITH GRANULAR MATERIAL AND COMPACTED IN 6" LIFTS TO INSURE NO SETTLEMENT.

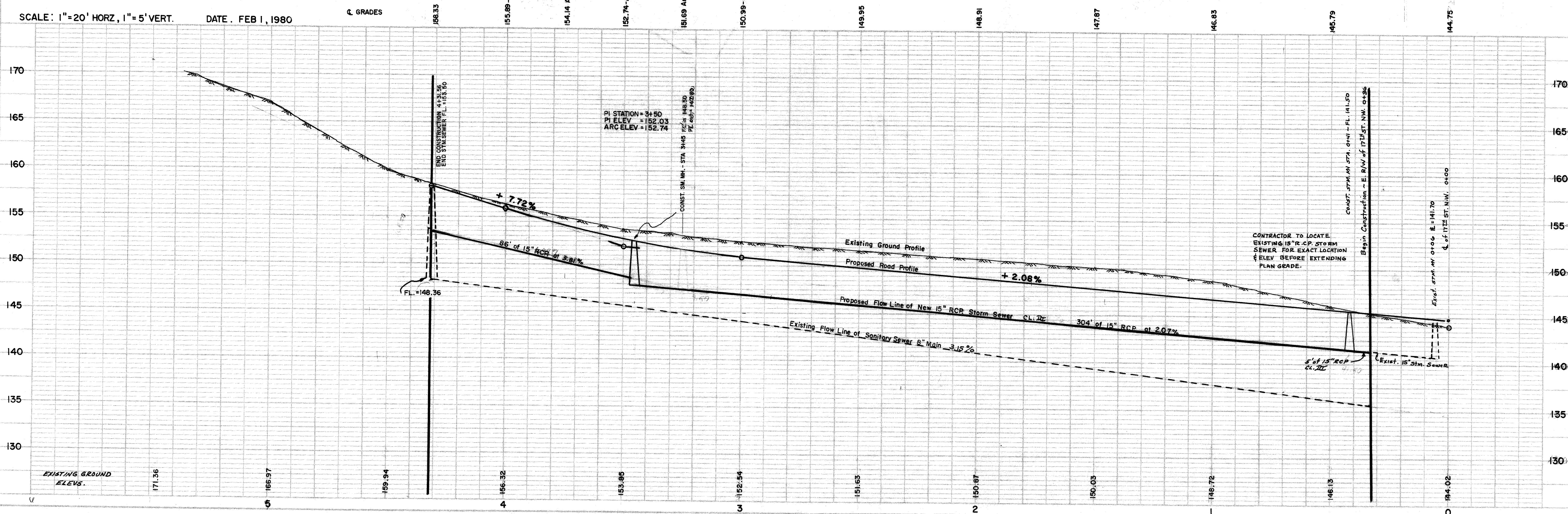
PAVEMENT REQUIREMENTS:

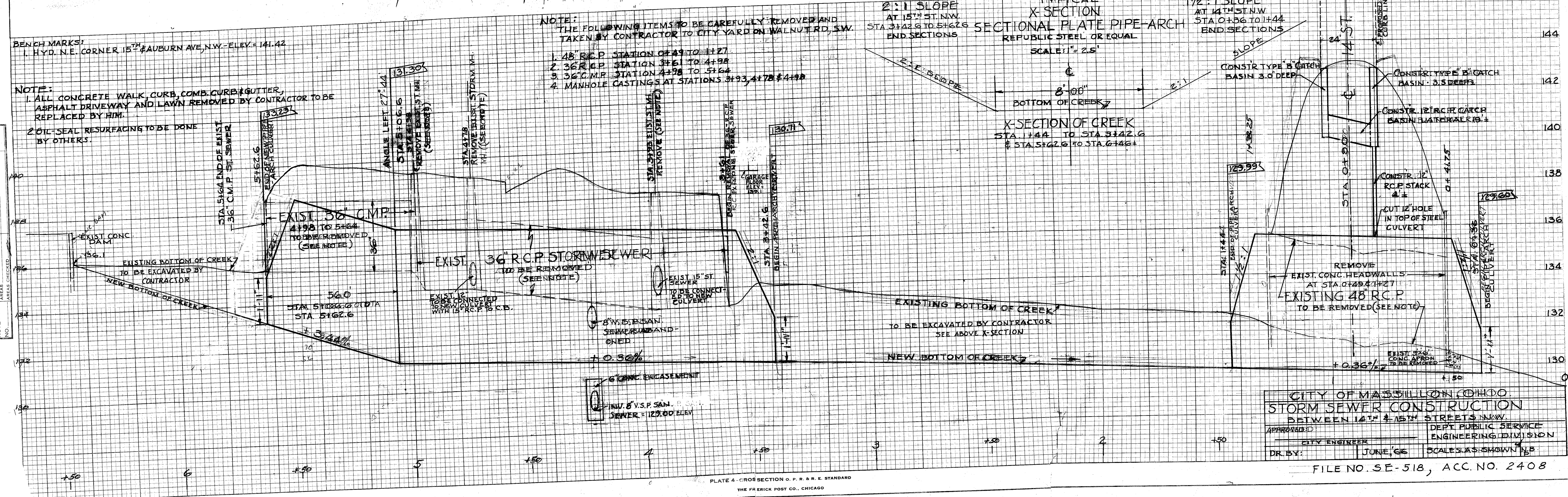
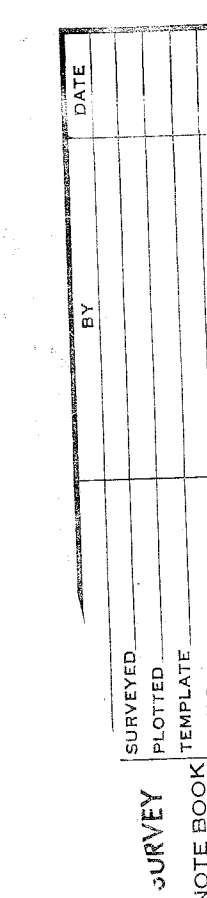
- 10" 304 AGG. BASE
 1" 404 ASPH. CONC. BASE
 1" 402 ASPH. CONC.

Approved by Robert J. Wagner Massillon City Engineer this 18th day of MARCH, 19 80.

Bench Mark:
 E. of St. M. Station 0+00, 12' N of E ELEV. 140.71

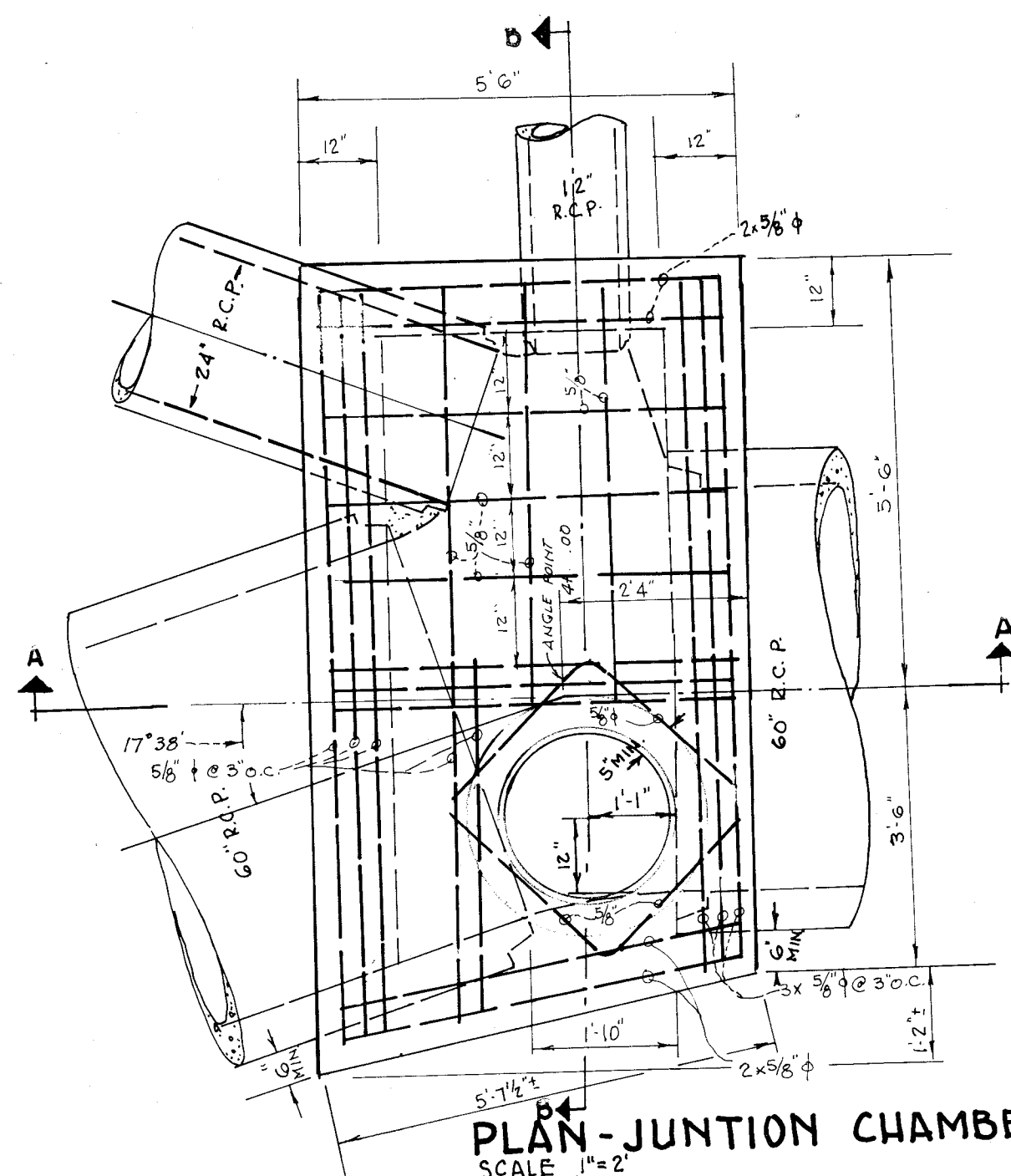
SCALE: 1" = 20' HORZ, 1" = 5' VERT. DATE: FEB 1, 1980



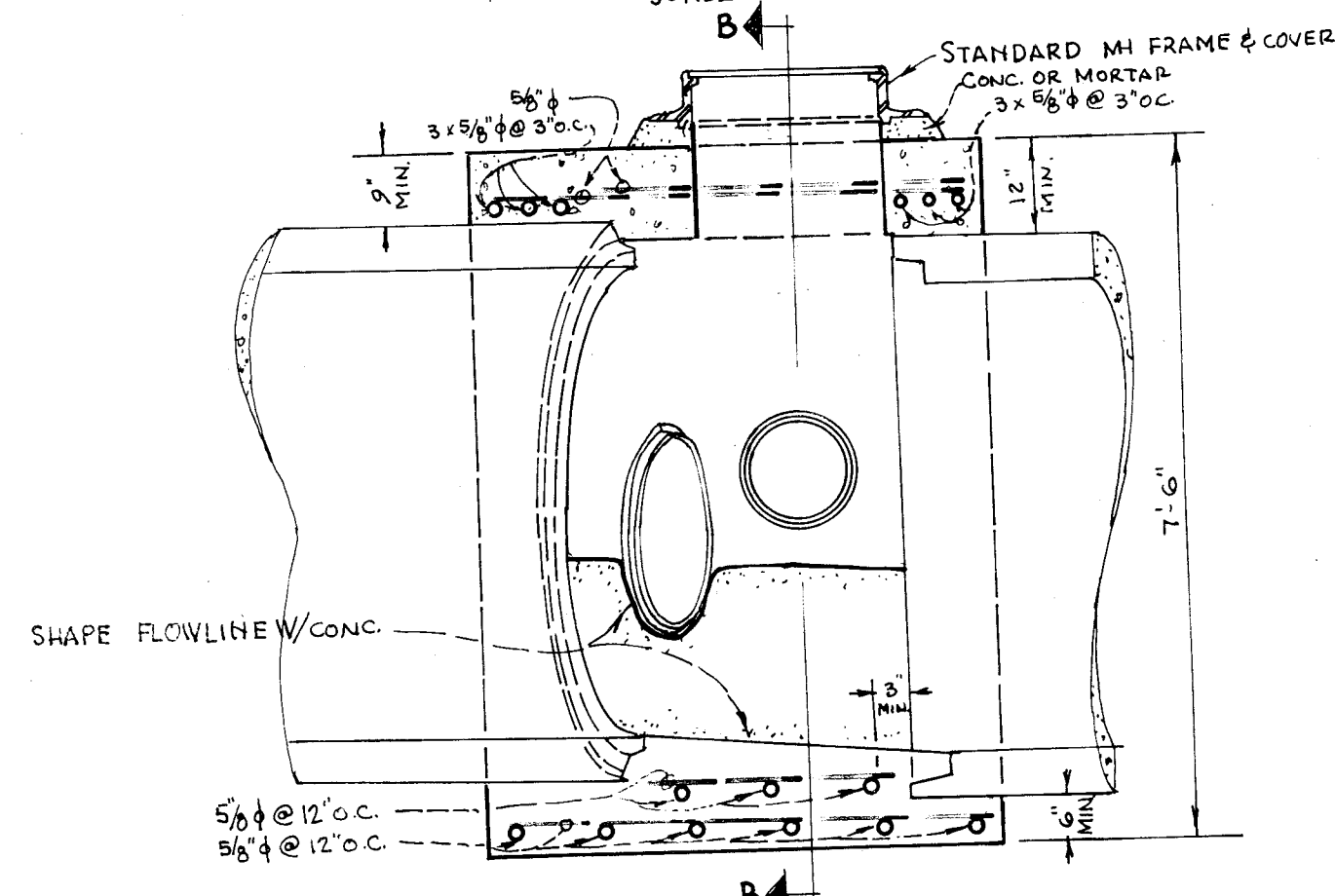


CITY OF MASSILLON, OHIO		
STORM SEWER CONSTRUCTION		
BETWEEN 14TH & 15TH STREETS N.W.		
APPROVED BY	DEPT. PUBLIC SERVICE	
CITY ENGINEER	ENGINEERING DIVISION	
DR. BY:	JUNE, '66	SCALES AS SHOWN N.B.

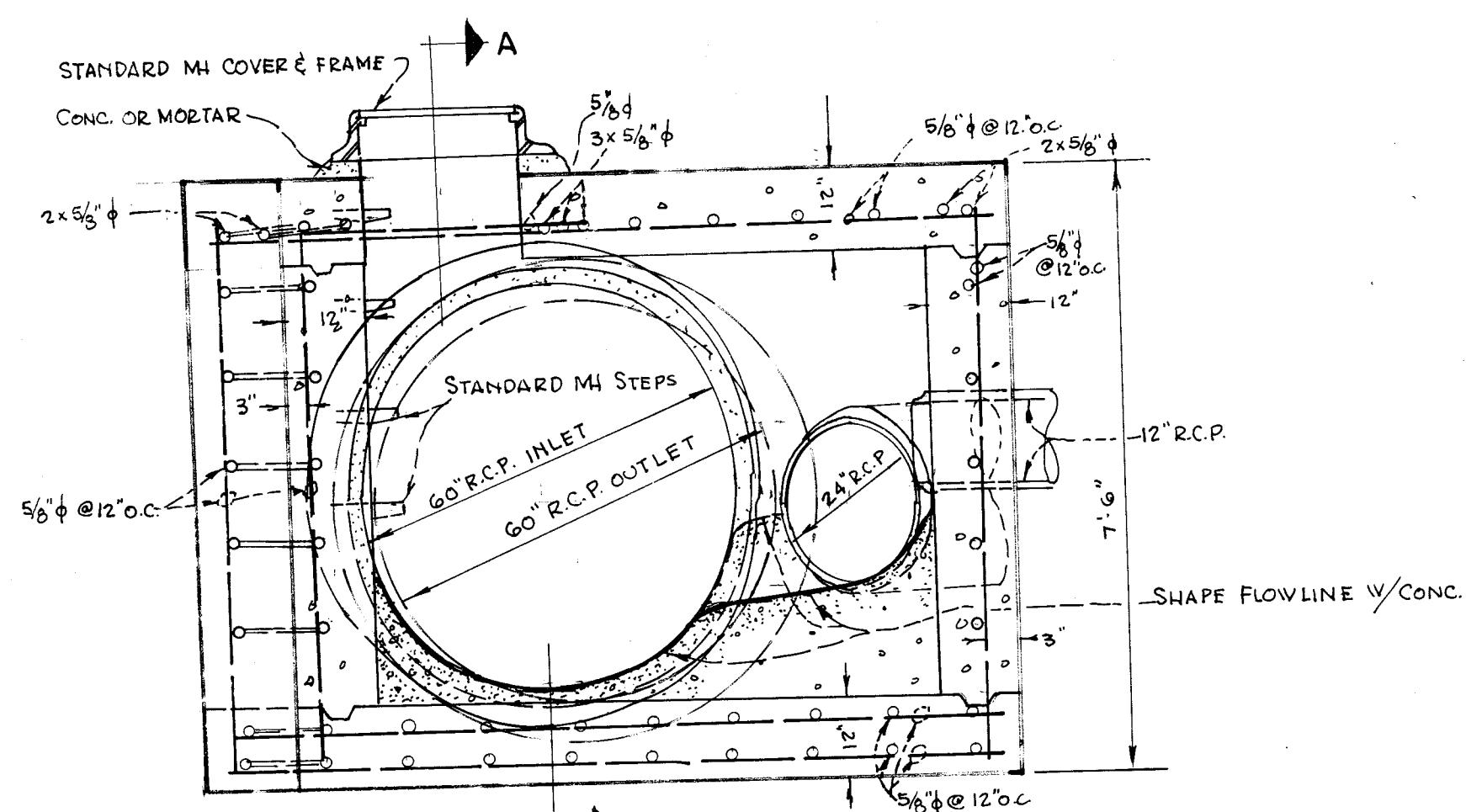
FILE NO. SE-518, ACC. NO. 2408



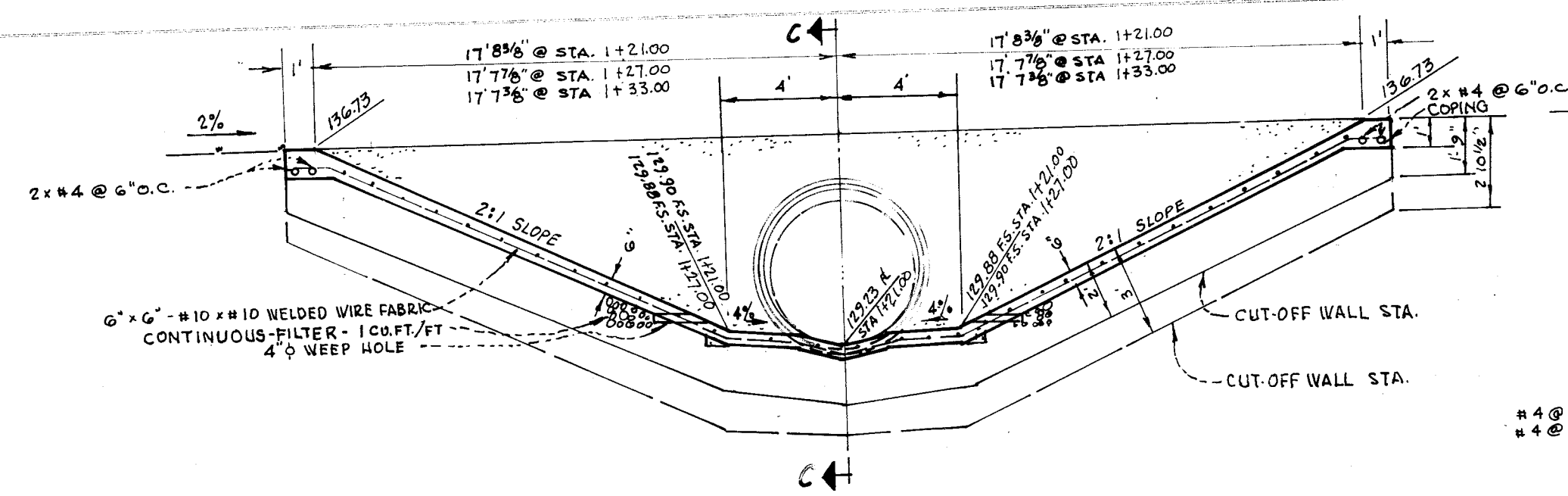
PLAN-JUNCTION CHAMBER STA. 41+00
SCALE 1"=2'



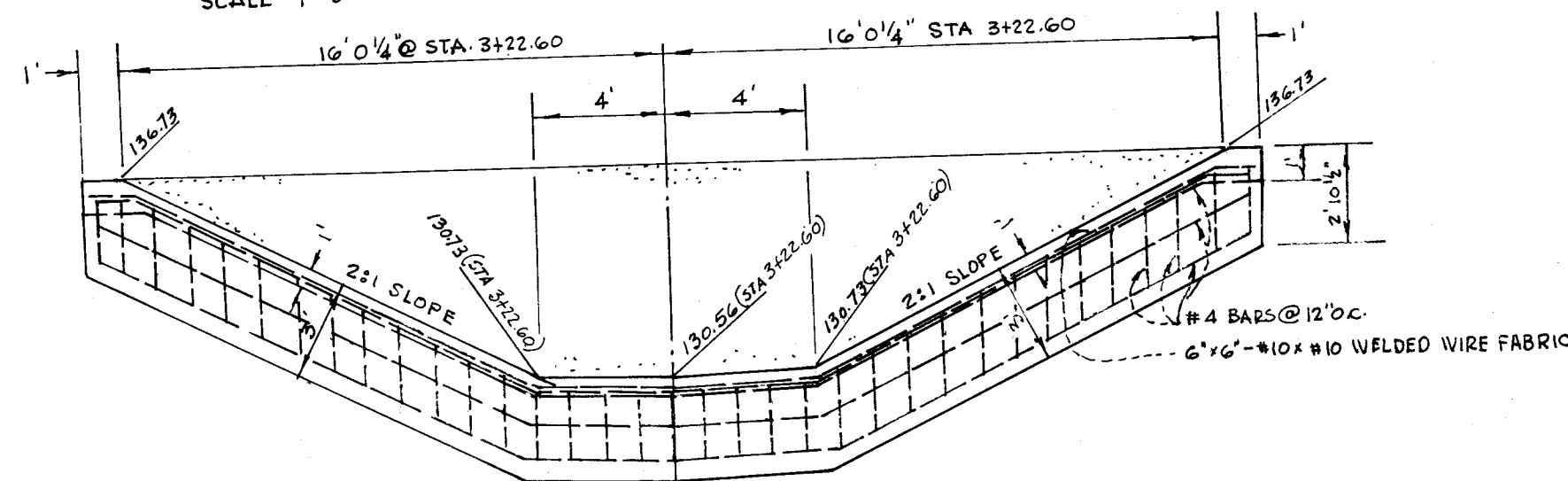
SECTION AA



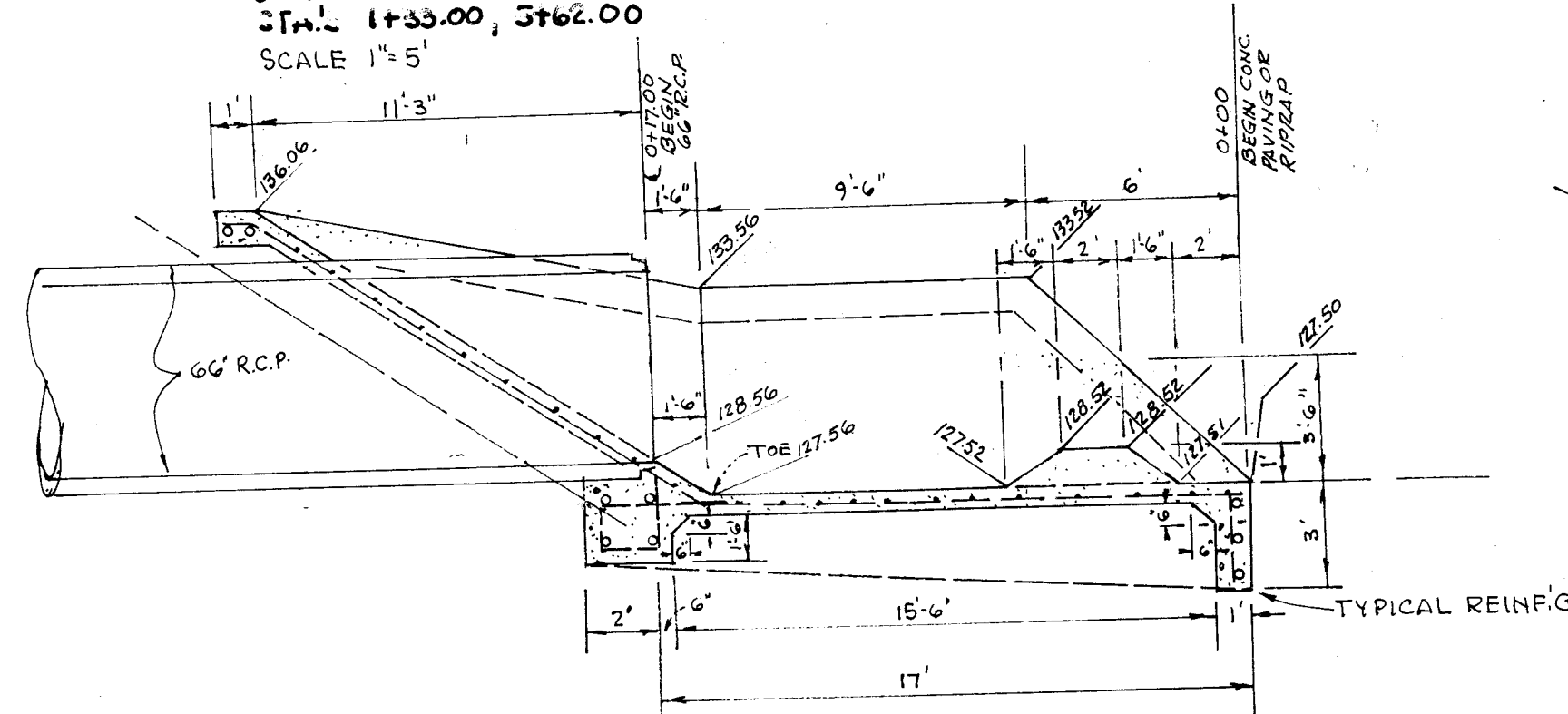
SECTION BB



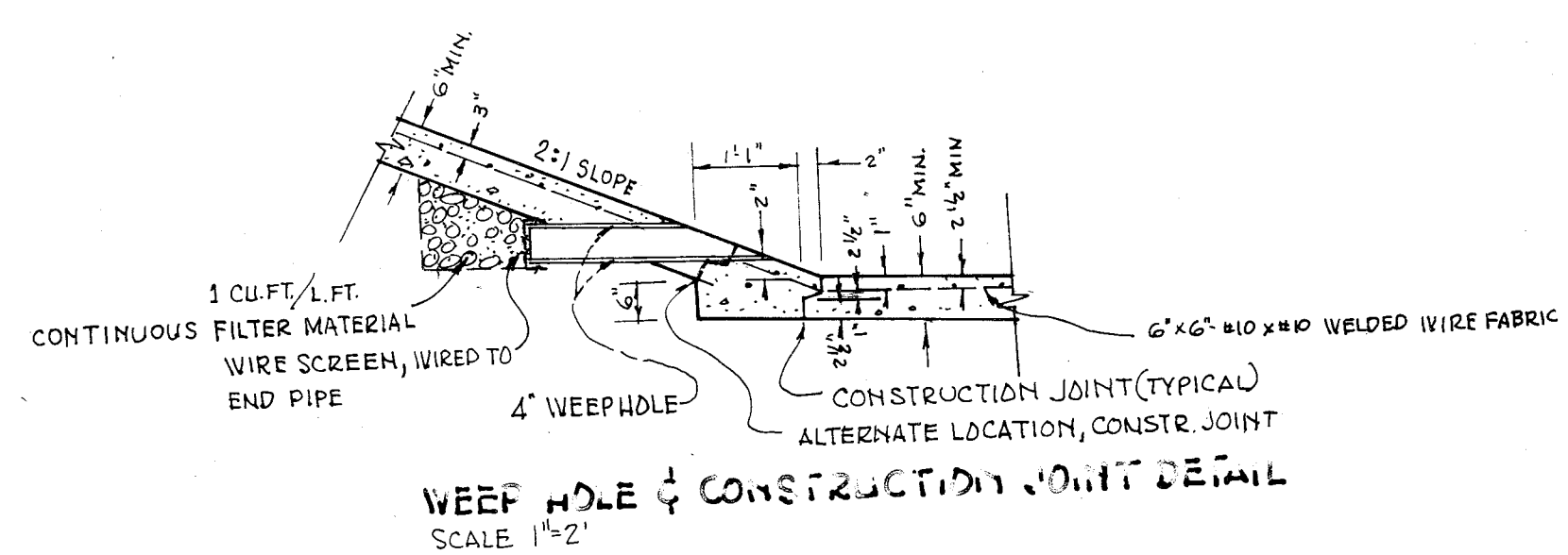
CONC. SLOPE PAVING @ STA. 1+21.00-TYPICAL PAVEMENT
CUT-OFF WALL & COPING @ INLET STA. 3147.00; OUTLET STA. 3153.00
SCALE 1"=5'



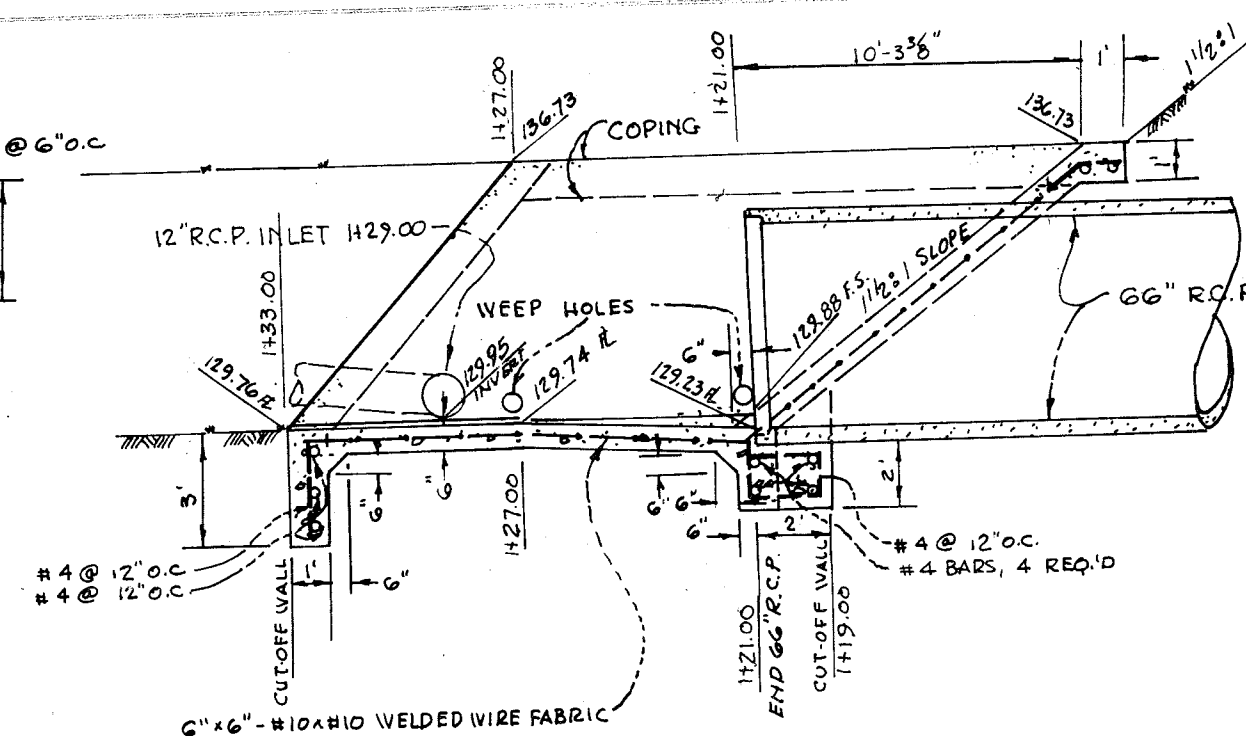
CUT-OFF WALL @ STA. 3122.60-TYPICAL REINFORCING FOR
STA. 1+33.00, STA. 3162.00
SCALE 1"=5'



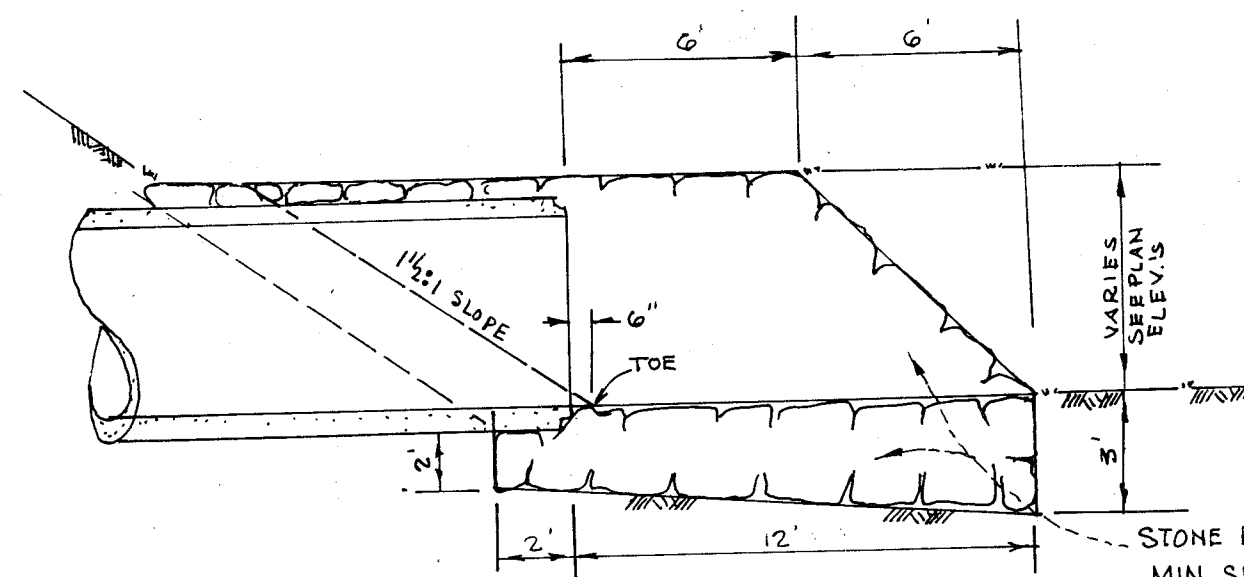
CONC. SLOPE PAVING- STA. 3122.60
SCALE 1"=5'



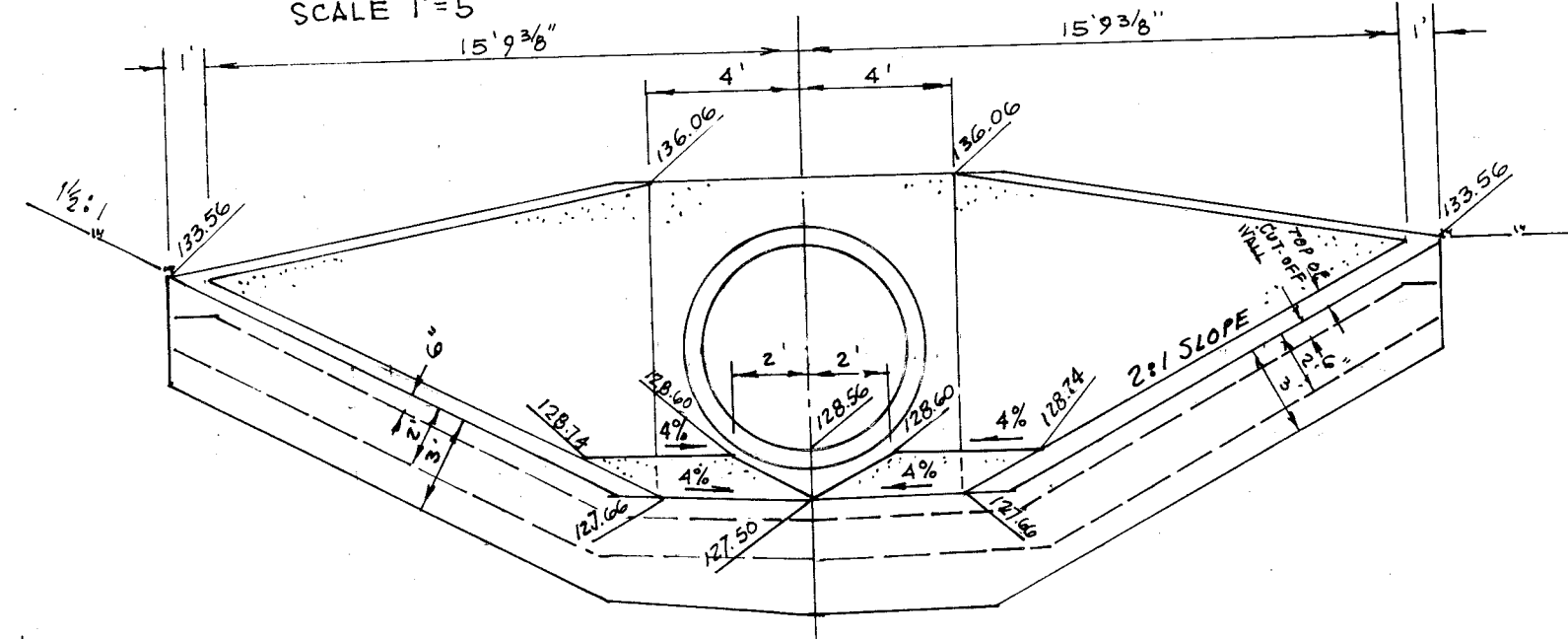
WEEP HOLE & CONSTRUCTION JOINT DETAIL
SCALE 1"=2'



SECTION CC
SCALE 1"=5'

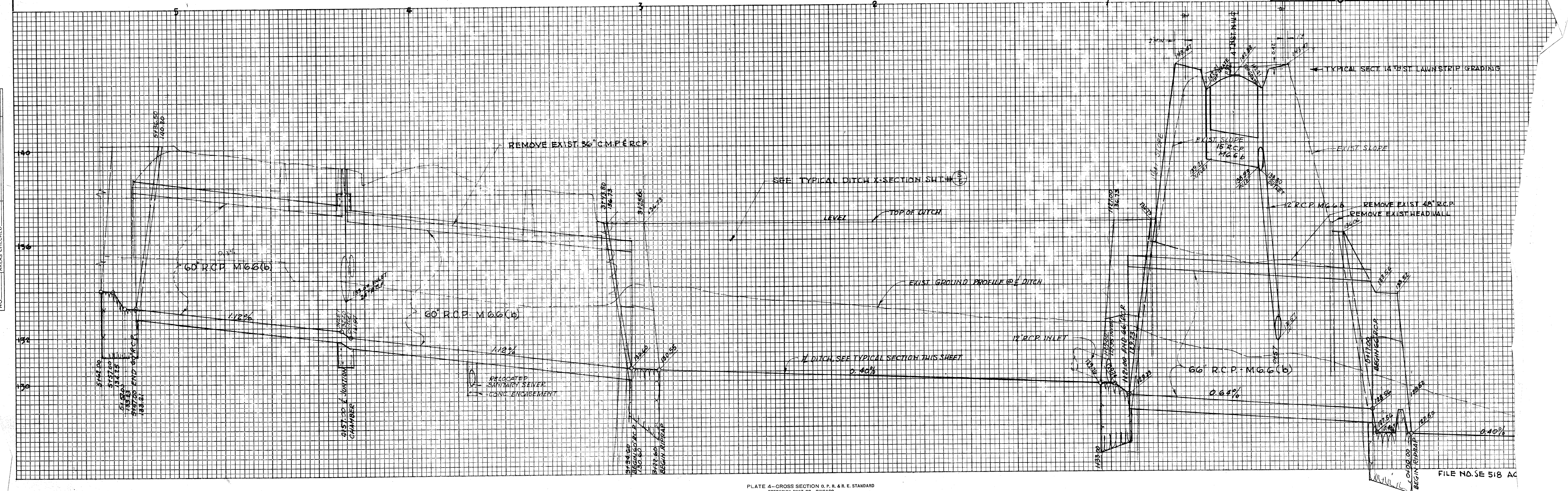


TYPICAL RIP-RAP DETAIL, SECTION DIMENSIONS
SAME AS SLOPE PAVING
SCALE 1"=5'



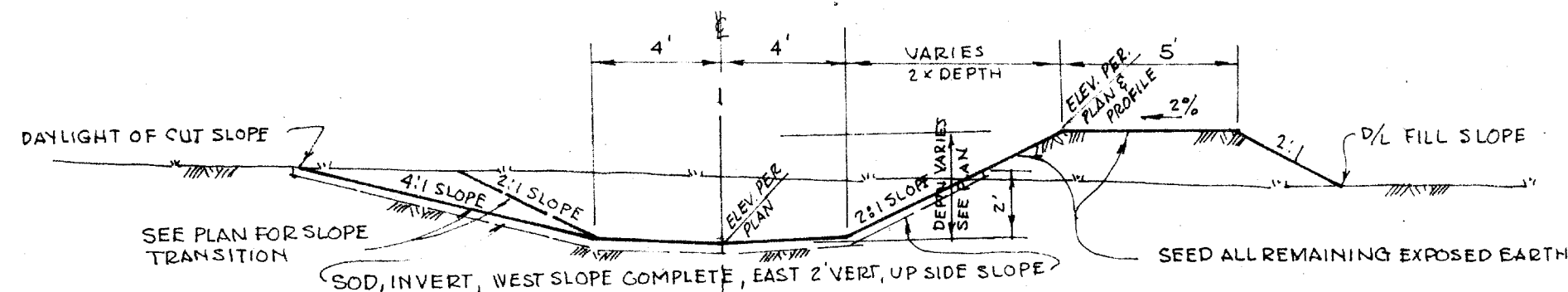
CONC. SLOPE PAVING- STA. 3122.60
SCALE 1"=5'

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	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		

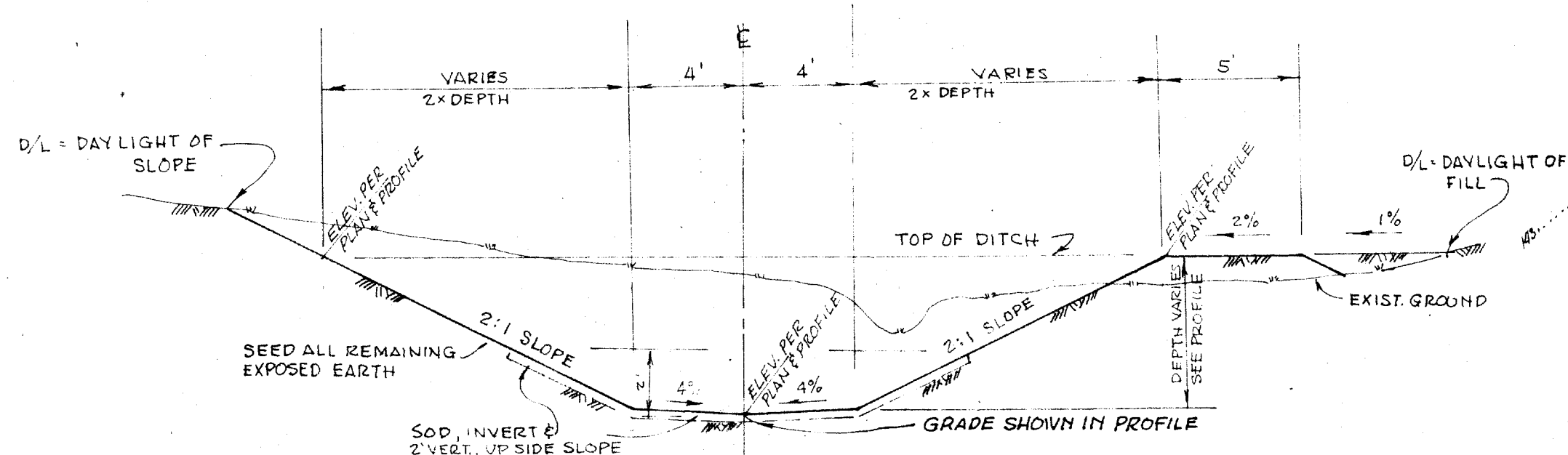


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SURVEY	BY
TEMPLATE	
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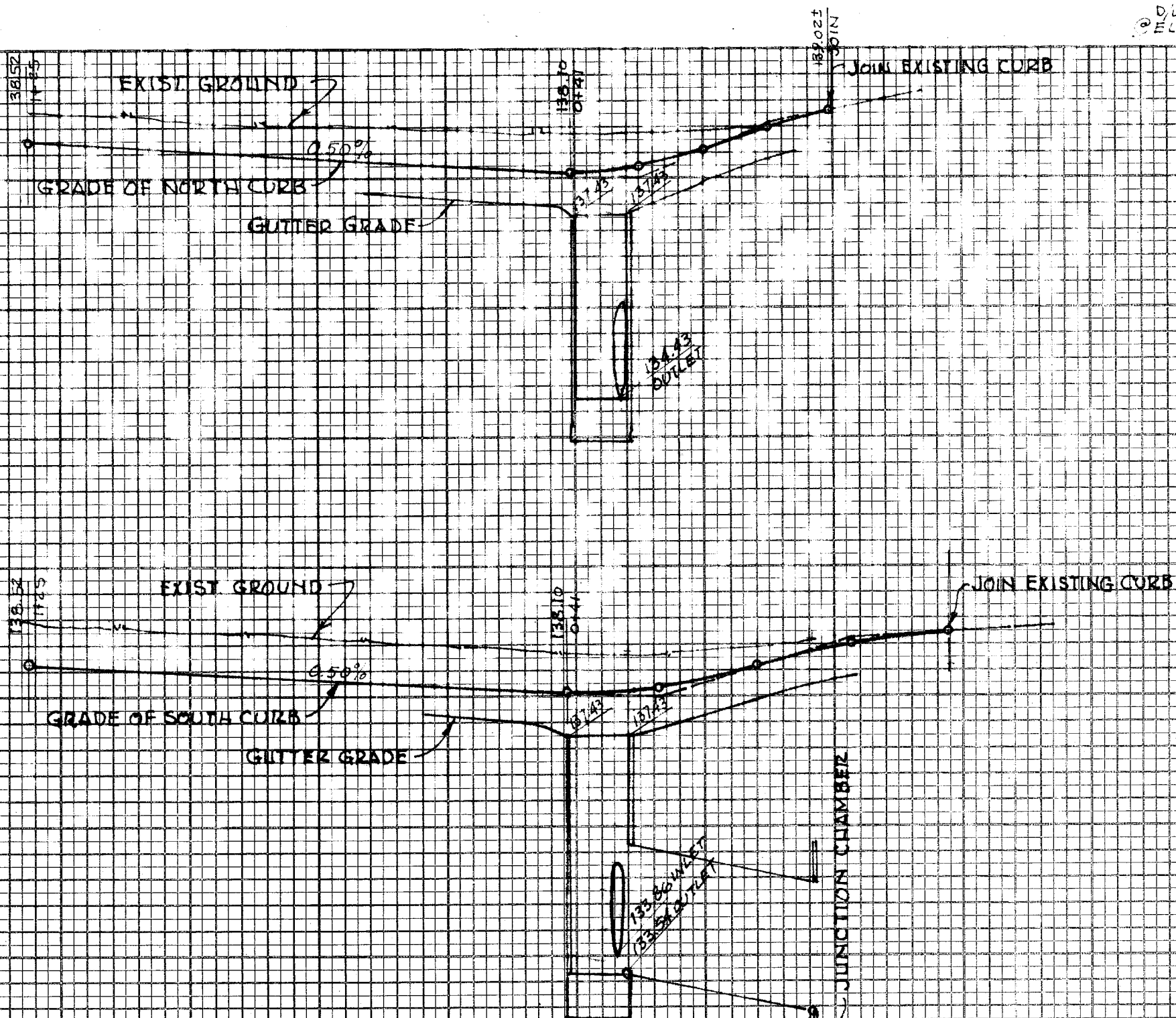
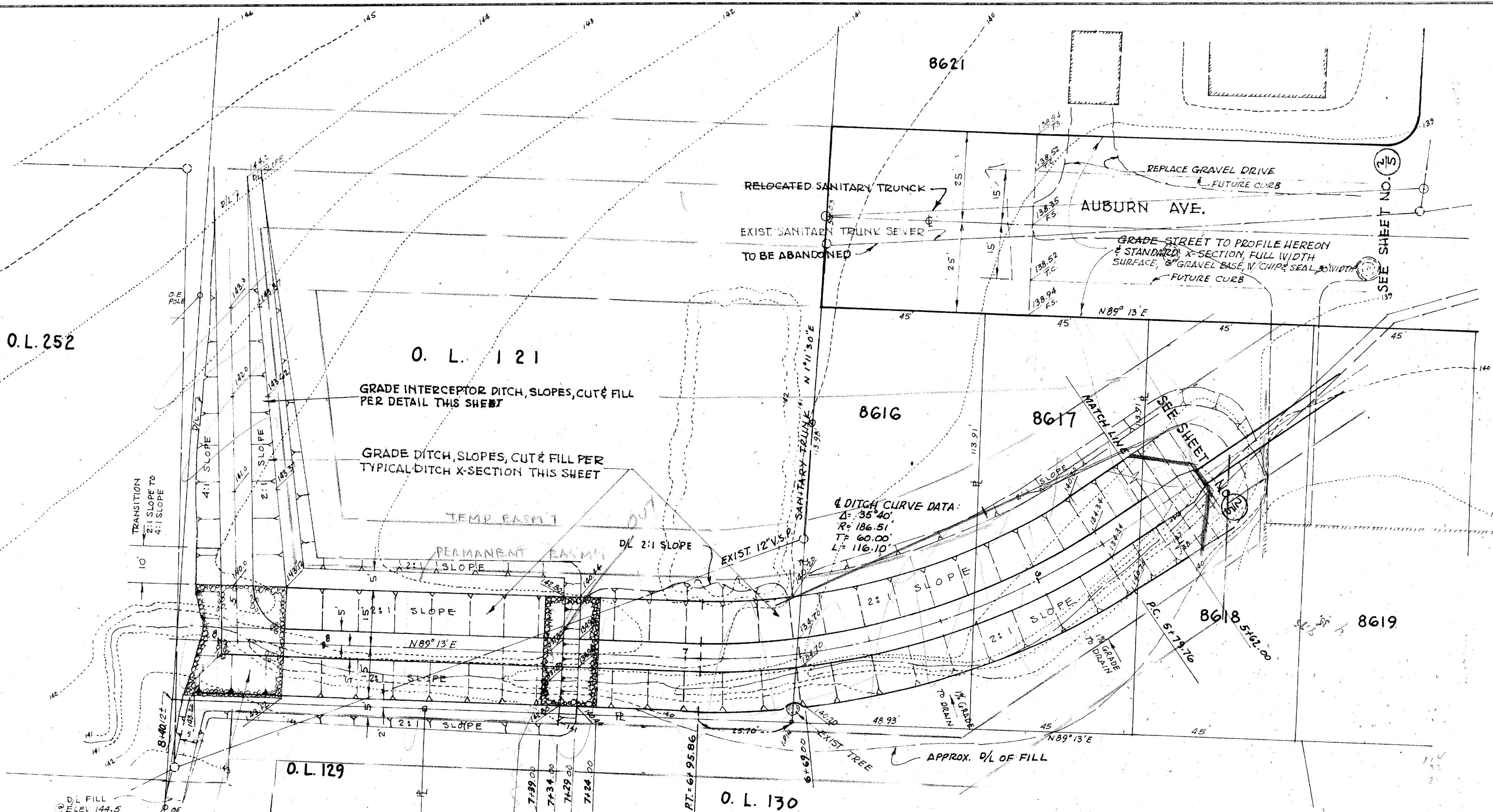
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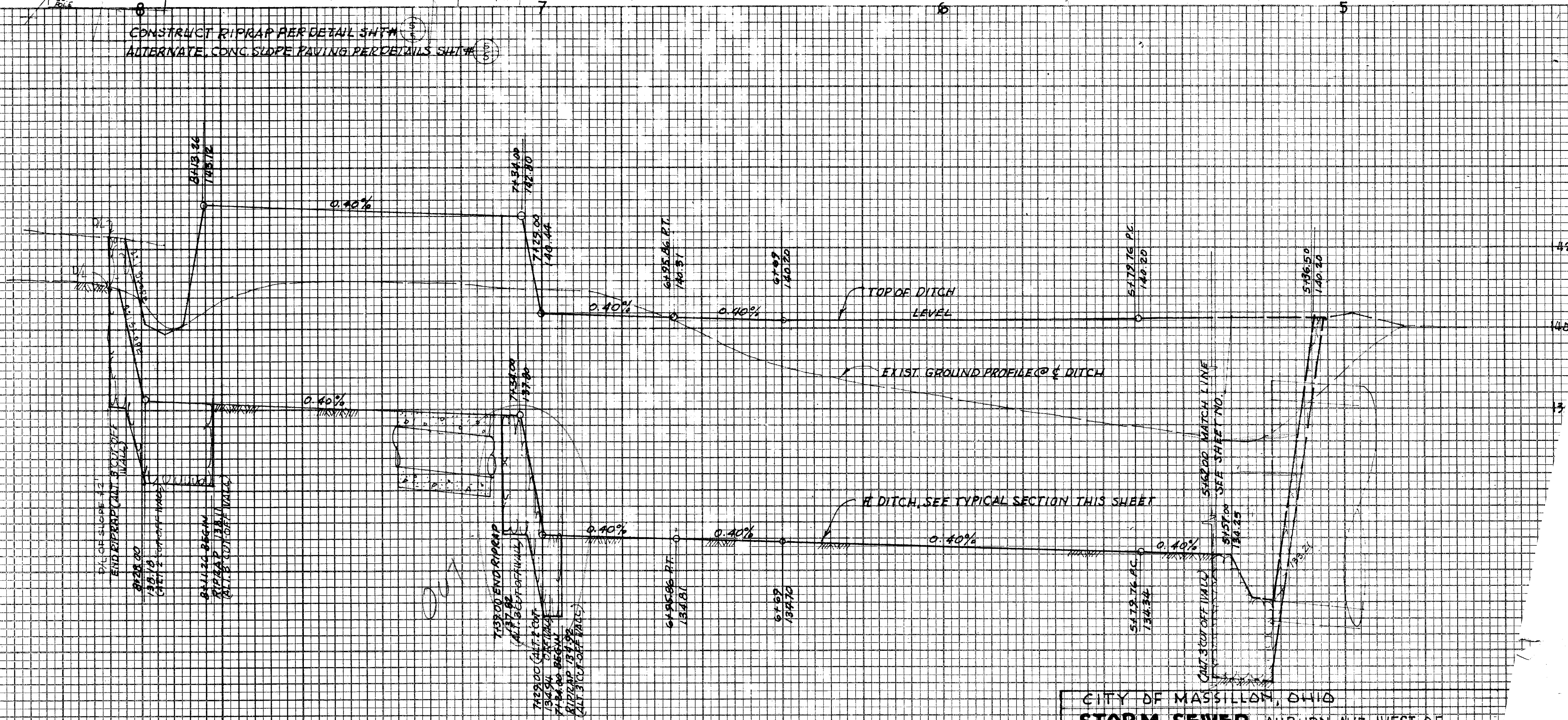
INTERCEPTOR DITCH X-SECTION
SCALE 1"=5'



TYPICAL DITCH X-SECTION
SCALE 1"=5'



PROFILE: AUBURN AVE. N.W. GRADING & CURB WEST OF 15TH ST. N.W.
SCALE 1"=20' HORIZ. 1"=2' VERT.



CITY OF MASSILLON, OHIO	
STORM SEWER - AUBURN AVE. WEST OF 15TH ST. N.W.	
APPROVED	DEPT. OF PUBLIC SERVICE
CITY ENGINEER	ENGINEERING DIVISION
0221 K.F.M.	NOV. 1926
SCALE 1"=20' HORIZ. 1"=2' VERT.	FILE NO. SE 518 ACC. NO.