

FINEFROCK INDUSTRIAL PARK

SANDERS AVENUE S.W.

PHASE II

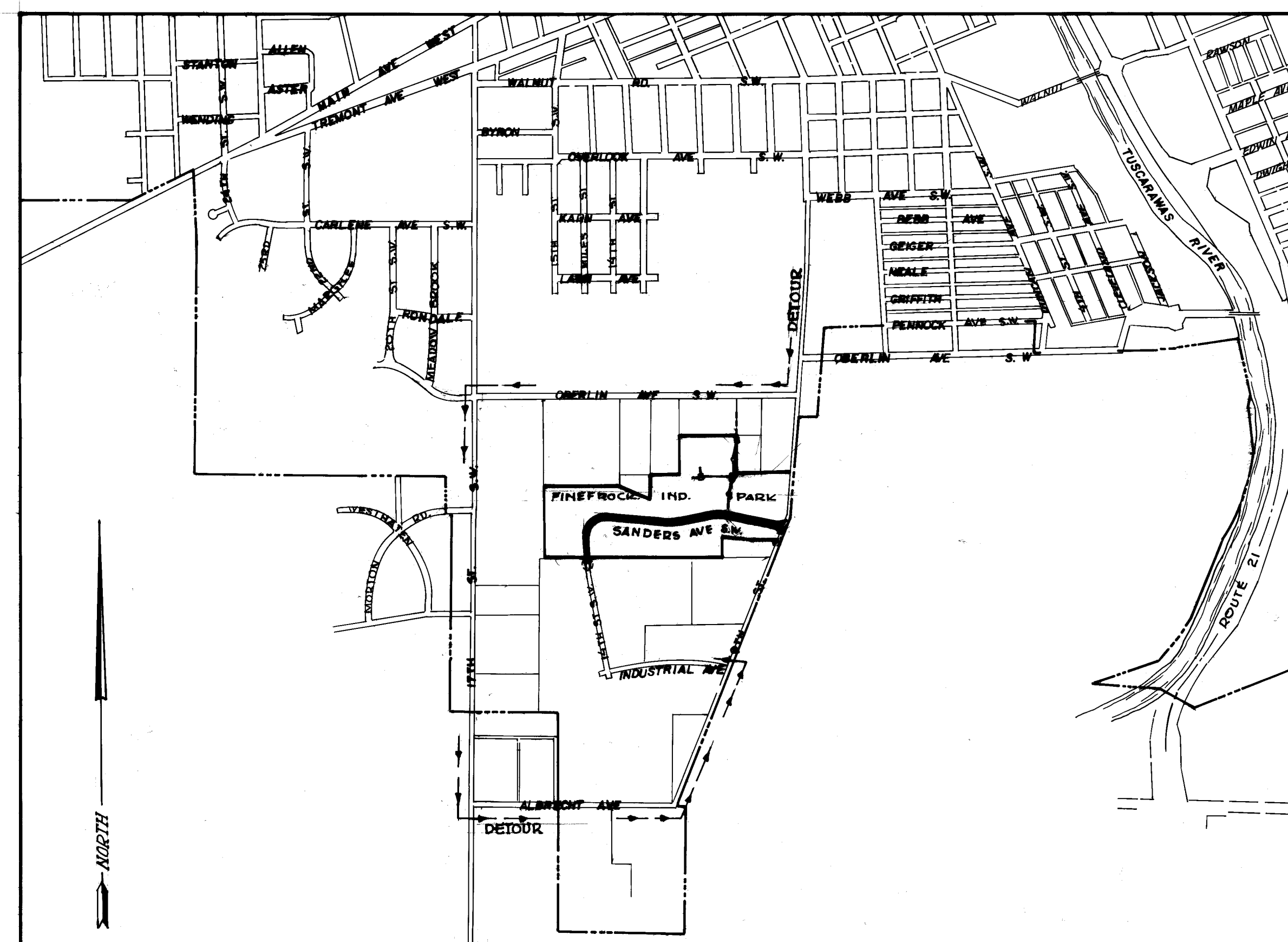
CONVENTIONAL SIGNS

MANHOLES	○ NEW ○ EXIST
EDGE PROPOSED PAV'T	— C — C —
Q. SURVEY	— P _W —
UNDER GROUND CABLE	— X — X —
QTR. SECTION LINE	— R —
EXIST. RIGHT-OF-WAY	— I G —
PROPOSED RIGHT-OF-WAY	— I W —
SECTION LINE	— HYD —
CORPORATION LINE	— RAILROAD —
FENCE LINE	— TOWNSHIP LINE —
GUARD RAIL (EXIST.)	— POLES —
GUARD RAIL (PROPOSED)	— SIGNS —
PROPERTY LINE	— LIGHT POLES —
POWER POLES	— WATER LINES —
TELEPHONE POLES	— GAS LINE —
TREES OR STUMPS (EXIST)	— SANITARY SEWER —
TREES OR STUMPS (TO BE REMOVED)	— STORM SEWER —
EXIST. UNDERGROUND UTILITIES	
GAS VALVE	
WATER VALVE	
FIRE HYDRANT	
RAILROAD	
TOWNSHIP LINE	
POLES	
SIGNS	
LIGHT POLES	
WATER LINES	
GAS LINE	
SANITARY SEWER	
STORM SEWER	

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SITE MAP



MAYOR.....DELBERT A. DEMMER
 SAFETY SERVICE DIR.....RICHARD S. KASERMAN
 CITY ENGINEER.....ROBERT WAGONER

PREPARED BY RON MCPHERSON
 MASSILLON CITY ENGINEERING DEPARTMENT

GENERAL SUMMARY

[illegible]

CALCULATIONS

ITEM 304 ASPHALT CONCRETE BASE 8" THICK		ITEM 404 ASPHALT CONCRETE ON 9TH ST S.W. 1 1/2" THICK	
STA. 0+16 TO STA. 13+50		STA. 9+00 TO STA. 12+00 300 x 32 x 12500	
924 CU.YDS. (FR. EXIST X-SECT)		27 = 44.44 CU. YDS	
205 CU. YDS. @ SEWER DITCHES			
STA. 13+50 TO STA. 21+01.08		ITEM 609 COMBINED CURB & GUTTER (MASS. STD.) MODIFIED 8" THICK GUTTER	
751.08 x 36 x .6666		SHT. 4 - STA. 0+00 TO STA. 13+00 RT. & LT. = 1300' x 2 = 2600.00 L.F.	
27 = 667.55 CU. YDS.		SHT. 5 - STA. 13+00 TO STA. 20+74.84 LT. = 774.84 L.F.	
TRIANGLE AREA AT S.W. COR. ON SANDERS & 9TH		SHT. 5 - CURB RETURN S.W. COR. SANDERS AVE S.W. = 53.32 L.F.	
348.45 x .6666		SHT. 5 - CURB " N.W. COR. SANDERS " N.W. = 47.75 L.F.	
27 = 860 CU. YDS		SHT. 6 ON 9TH ST. FROM STA. 10+44.68 TO STA. 11+00 LT. = 55.32 L.F.	
TRIANGLE AREA AT N.W. COR. ON SANDERS & 9TH		4289.19 L.F.	
178.164 x .6666		(TOTAL - 4289.00 L.F.)	
27 = 439 CU. YDS			
(1809.54 CU. YDS. TOTAL) SAY 1810 CY.			
ITEM 310 SUBBASE GRADING "B" 6" THICK		ITEM 203 SUB GRADE COMPACTION	
STA. 0+16 TO STA. 13+50 ONLY		STA. 0+16 TO 21+01.08 SANDERS AVE.	
283 CU. YD. (FR. EXIST X-SECT)		2117.08 x 41 = 9644.48	
154 CU. YD. @ SEWER DITCHES		9	
(437 CU. YDS. TOTAL) = 437 CY.		Δ @ S.W. COR. = 348.45	
		9 = 38.72	
		Δ @ N.W. COR. = 178.16	
		9 = 19.80	
		SUB. TOT. 9703.00 SQ. YDS.	
ITEM 402 ASPHALT CONCRETE - 1 1/2" THICK ON (SANDERS AVE)		STA. 9+00 TO 12+00 WEST	
STA. 0+16 TO STA. 13+50		Δ WEST 9+00 TO 9+38.48	
13' x 36 x .12500		38.44 x 12 = 25.63	
27 = 227.67 CU. YDS.		9	
STA. 13+50 TO STA. 21+01.08		9+38.48 TO 11+00 WEST	
751.08 x 36 x .12500		161.52 x 12 = 215.36	
27 = 125.18 CU. YDS.		9	
TRIANGLE AREA AT S.W. COR. ON SANDERS & 9TH		Δ 11+00 TO 12+00 WEST	
348.45 x .12500		100 x 12 = 66.67	
27 = 1.61 CU. YDS		9	
TRIANGLE AREA AT N.W. COR. ON SANDERS & 9TH		9+00 TO 10+35	
178.164 x .12500		135 x 20 = 300.00	
27 = .82 CU. YDS		9	
355.28 CU. YDS		SUB. TOT. 607.66	
ITEM 402 ASPHALT LEVLYNG COURSE ON 9TH ST S.W. 4" THICK		TOTAL 10310.66 SAY 10,311 SQ. YD.	
STA. 9+00 TO STA. 12+00			
3/4" (607.71 SQ. YD. + 366.67 SQ. YDS)			
= 108.26 CU. YDS.			
(463.54 CU. YDS. TOTAL) = 464 CY.			
ITEM 404 ASPHALT CONCRETE 1 1/2" THICK ON (SANDERS AVE)			
STA. 0+16 TO STA. 13+50			
1366 x 36 x .12500			
1350 27 = 227.67 CU. YDS.			
STA. 13+50 TO STA. 21+01.08			
751.08 x 36 x .12500			
27 = 125.18 CU. YDS.			
TRIANGLE AREA AT S.W. & N.W. - SAME AS ITEM 402			
2.43 CU. YDS			
355.28 CU. YDS			

SEWERS

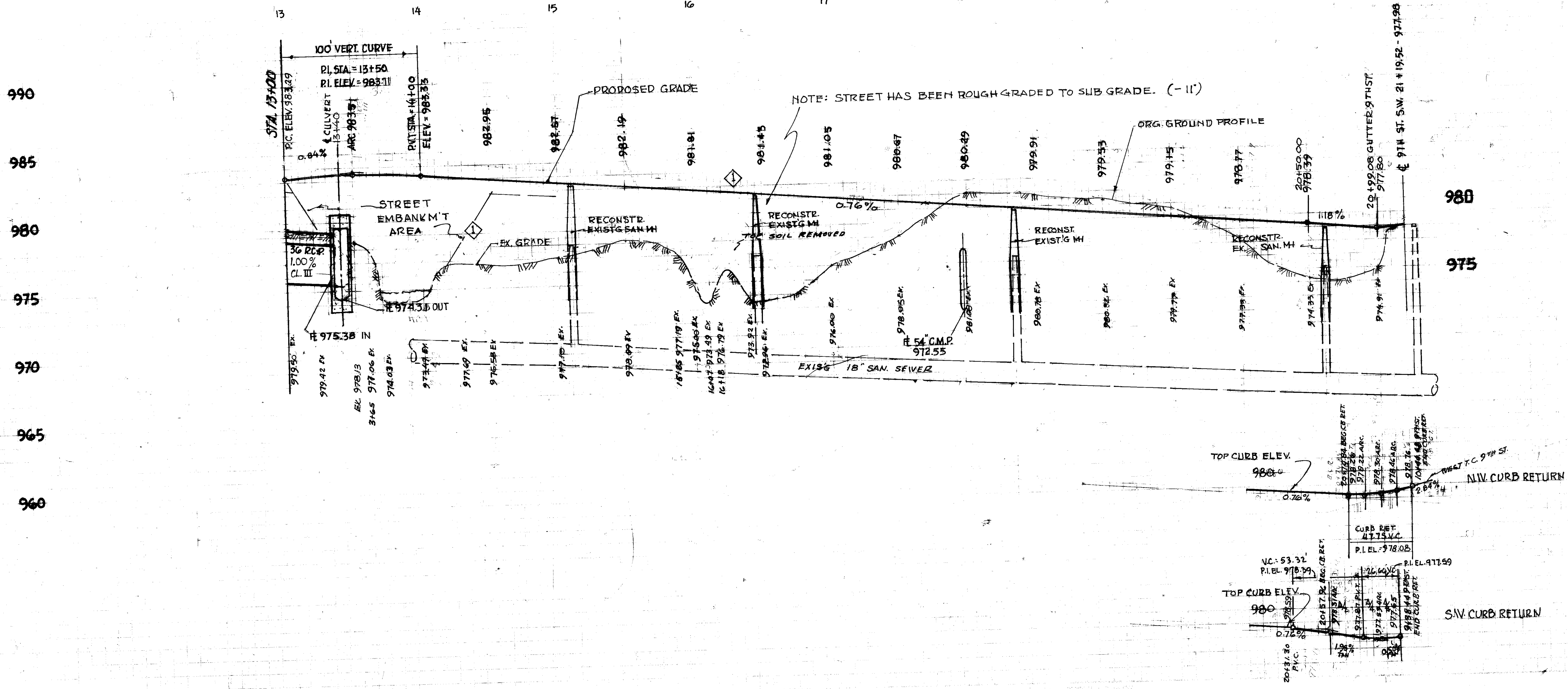
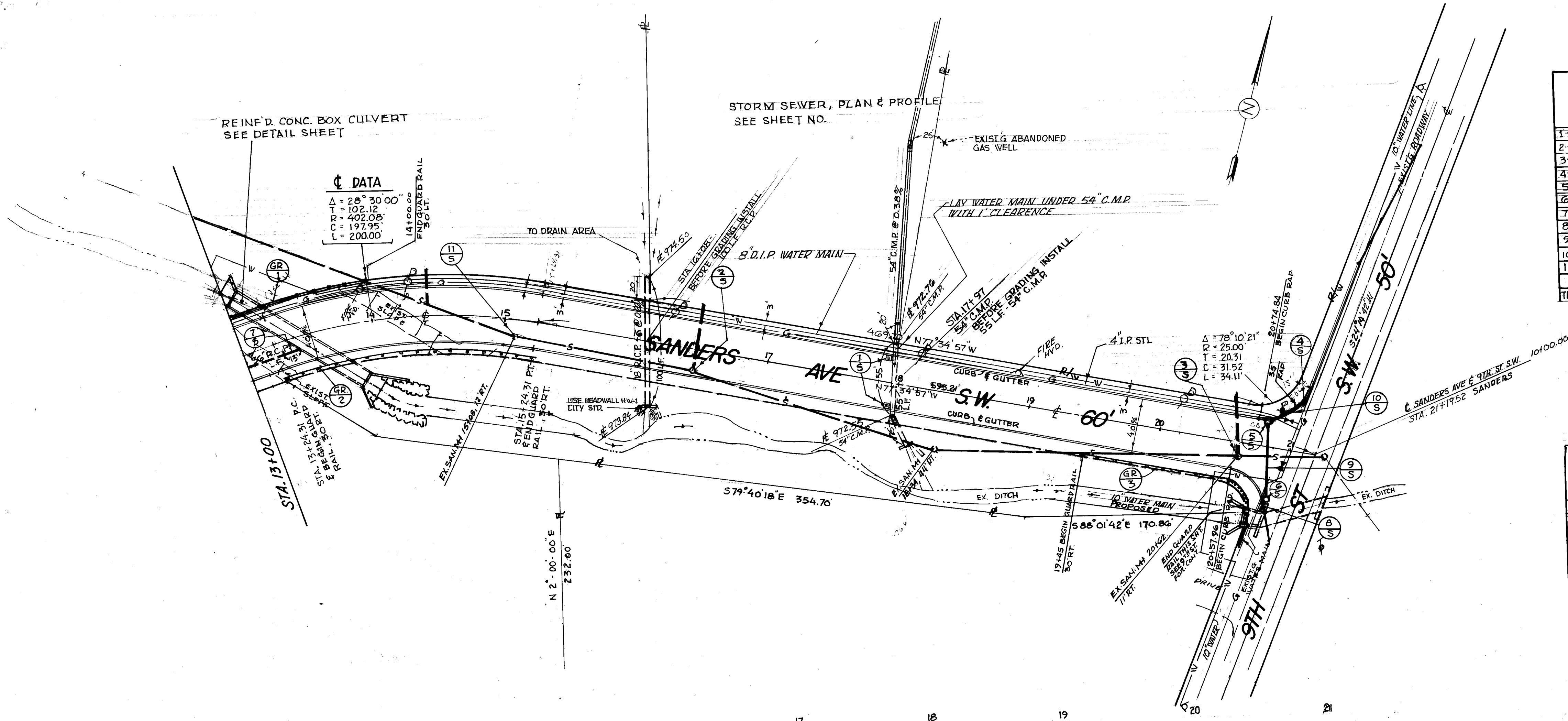
STATION	FROM	TO	SIDE	603 54" RCP CLASS III PIPE L.F.	604 EX. MANHOLE ADJ'D TO GRADE E.A.	603 21" RCP CL. III PIPE L.F.	603 18" RCP CL. III PIPE L.F.	603 15" RCP CL. III PIPE L.F.	604 TYPE 'A' CATCH BASIN E.A.
1-S	17+90	17+90	RT-LF						2
2-S	16+45	16+45	RT-LF						
3-S	20+52	20+52	RT-LF						
4-S	21+00	21+00	LF						1
5-S	20+80	20+80	LF						1
6-S	20+87	20+87	RT						
7-S	13+32	13+32	RT	13					
8-S	20+87	20+87	RT			12			
9-S	20+87	20+87	RT-LT				65		
10-S	20+79	21+04	LF					27	
11-S	14+44	14+44	LF						
TOTAL				13		3	12	65	27

GUARD RAIL

STATION	FROM	TO	SIDE	606 GUARD RAIL TYPE 4 L.F.
GR-1	13+00	14+00	LT	107
GR-2	15+24	15+24	RT	186
GR-3	19+45	20+78	RT	228
TOTAL				521

BENCH MARKS: TOP HYD. @ OBERLIN & 9TH ST. S.W. - CITY BENCH ± U.S.G.S. ± .54
13.8.03 ± 849.04 ± .54 = 987.61

TOP HYD. S. END OF MIDWESTERN BLDG. = 990.20
TOP HYD. BETWEEN MIDWESTERN & SANDERS = 992.13
BENCHES ARE IN FIELD BOOK, 232 PAGE 55



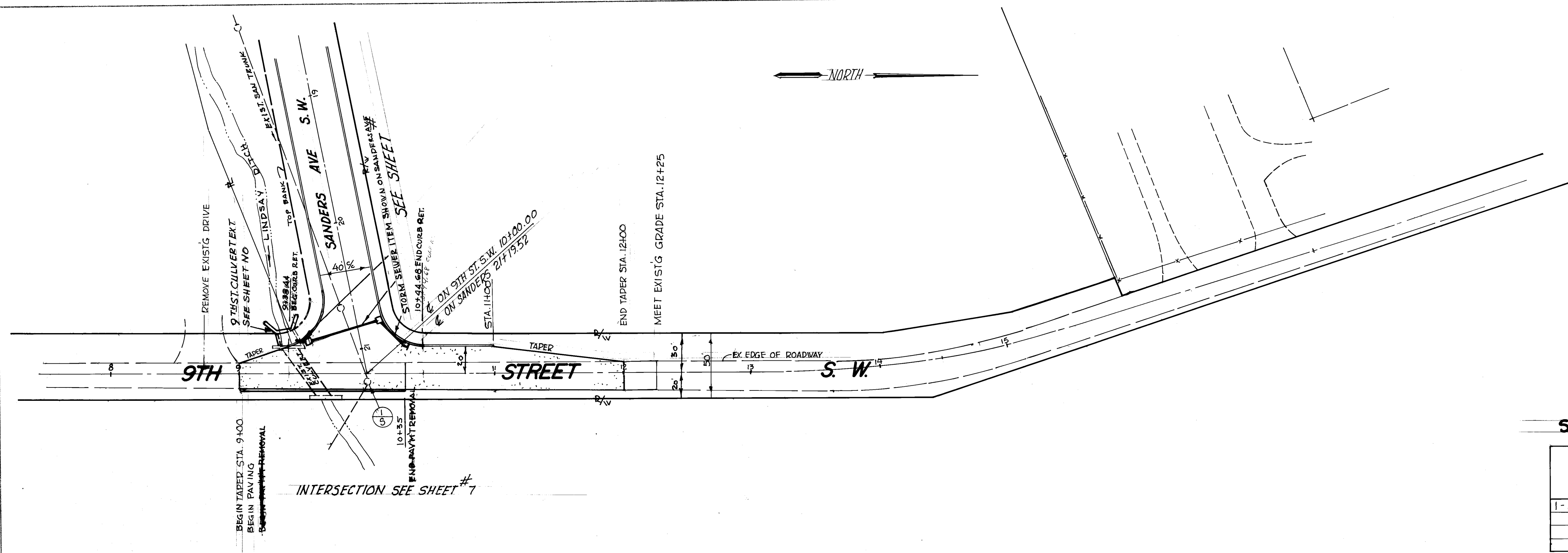
CITY OF MASSILLON, OHIO

SANDERS AVE S.W.
STREET IMPROVEMENT

DR. BY RONNIE MCPHERSON
CITY ENG. ROBERT WAGONER
SCALE: 1"=50' HORZ. & 1"=5' VERT.

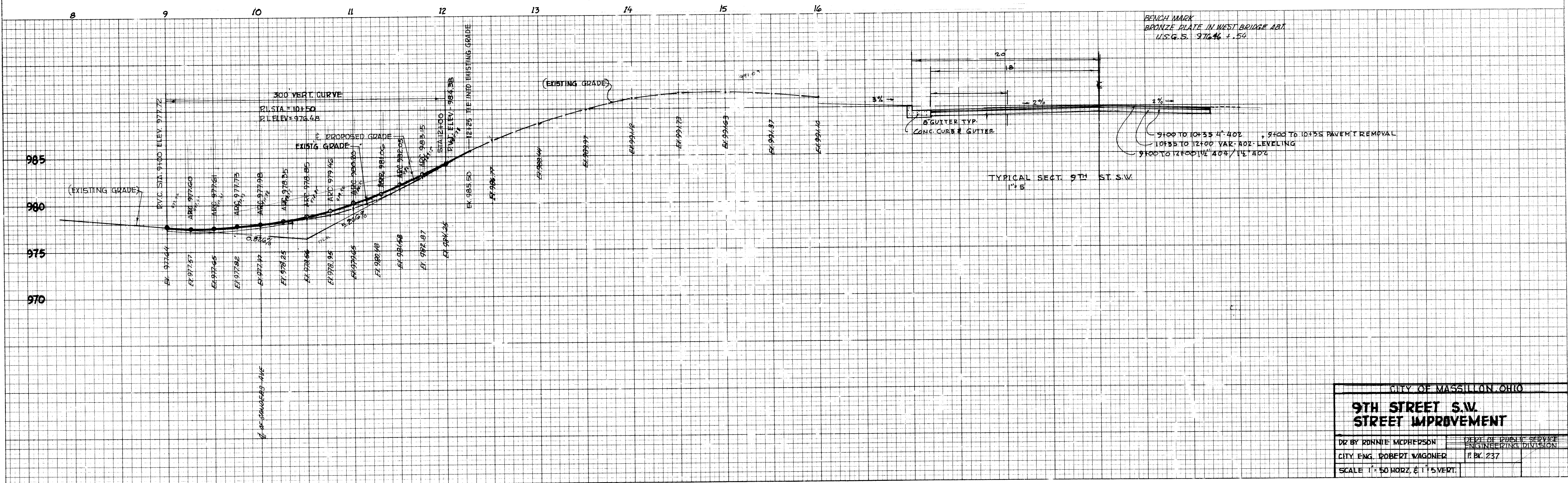
DES. BY TERRY SERVICE
FIELD BK. 237
ACC. NO. 2925

NO. _____	DATE _____
FINAL SURVEY	
SURVEYED _____	
PLOTTED _____	
TEMPLATE _____	
AREAS _____	
AREAS CHECKED _____	

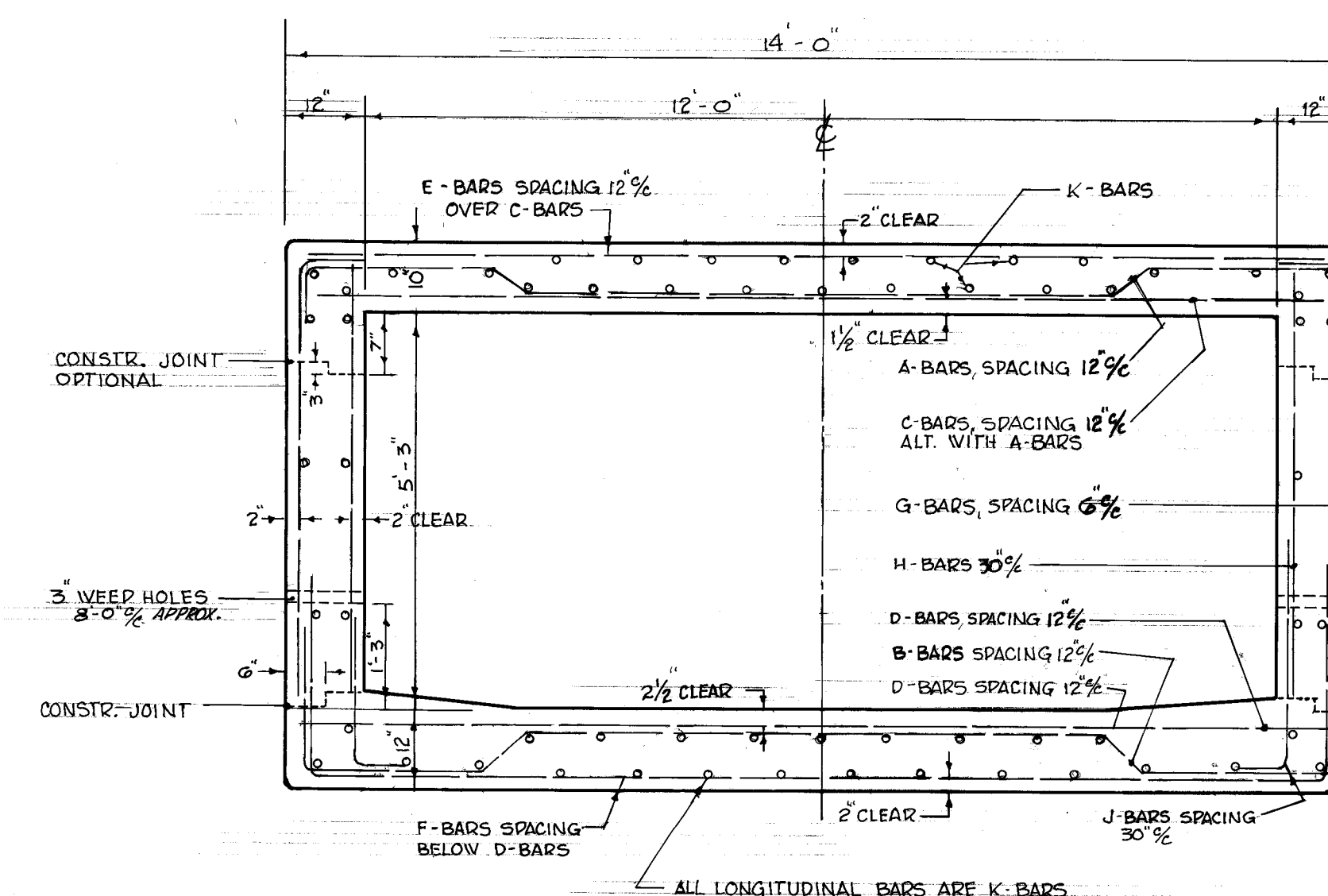
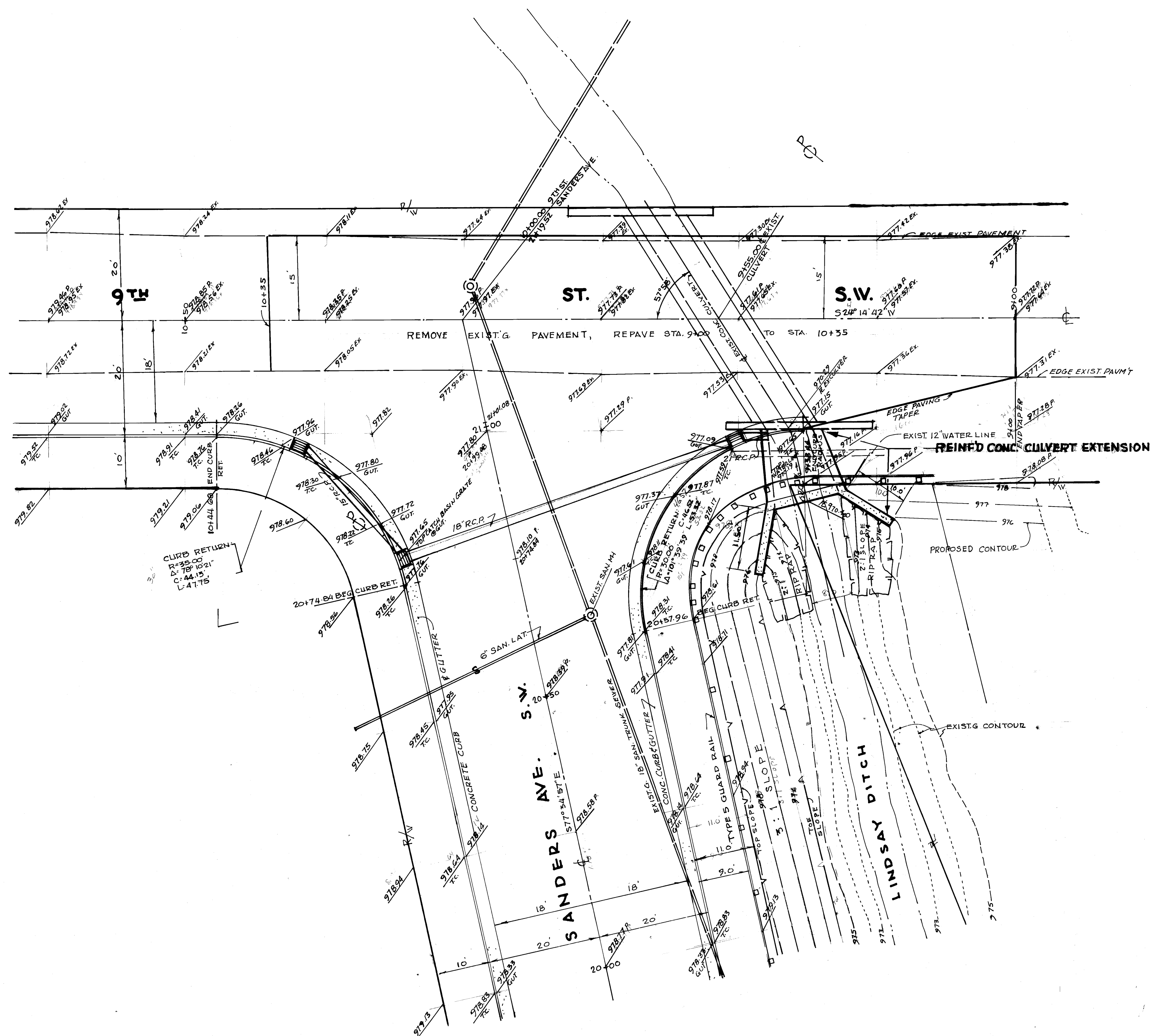


SEIVERS

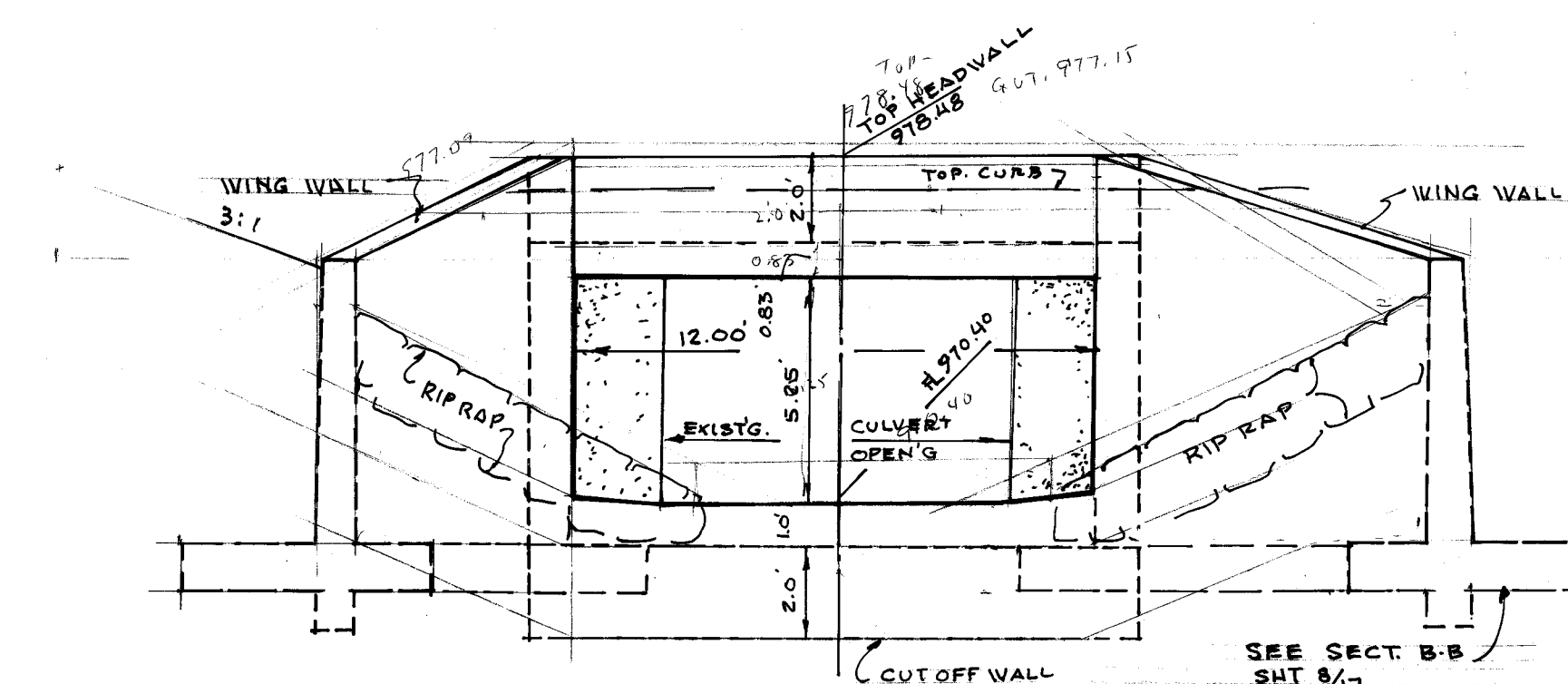
	STATION				
	FROM	TO	604 EX MANHOLE ADD 10 TO GRADE E.A.		
1-S	241952		1		



ORIGINAL	SURVEYED	BY	DATE
SURVEY	PLOTTED		
NOTE BOOK	TEMPLATE		
	AREAS		

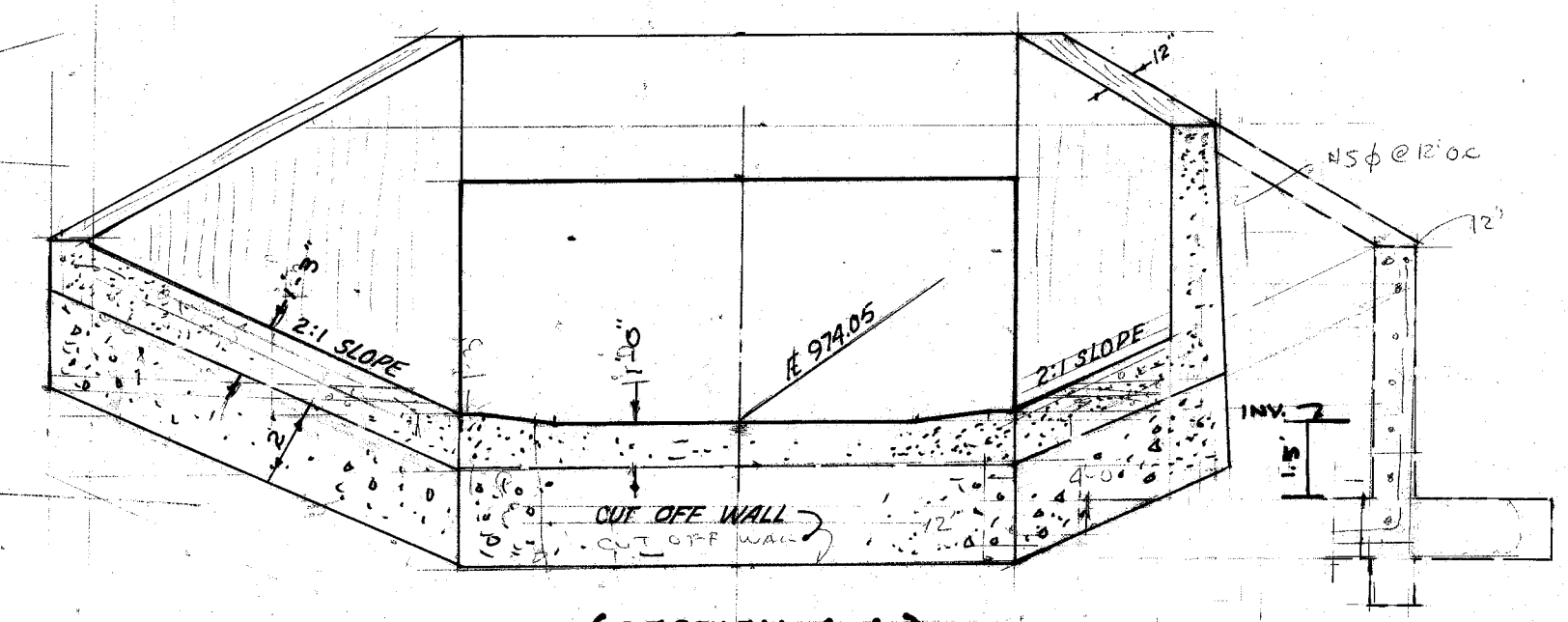
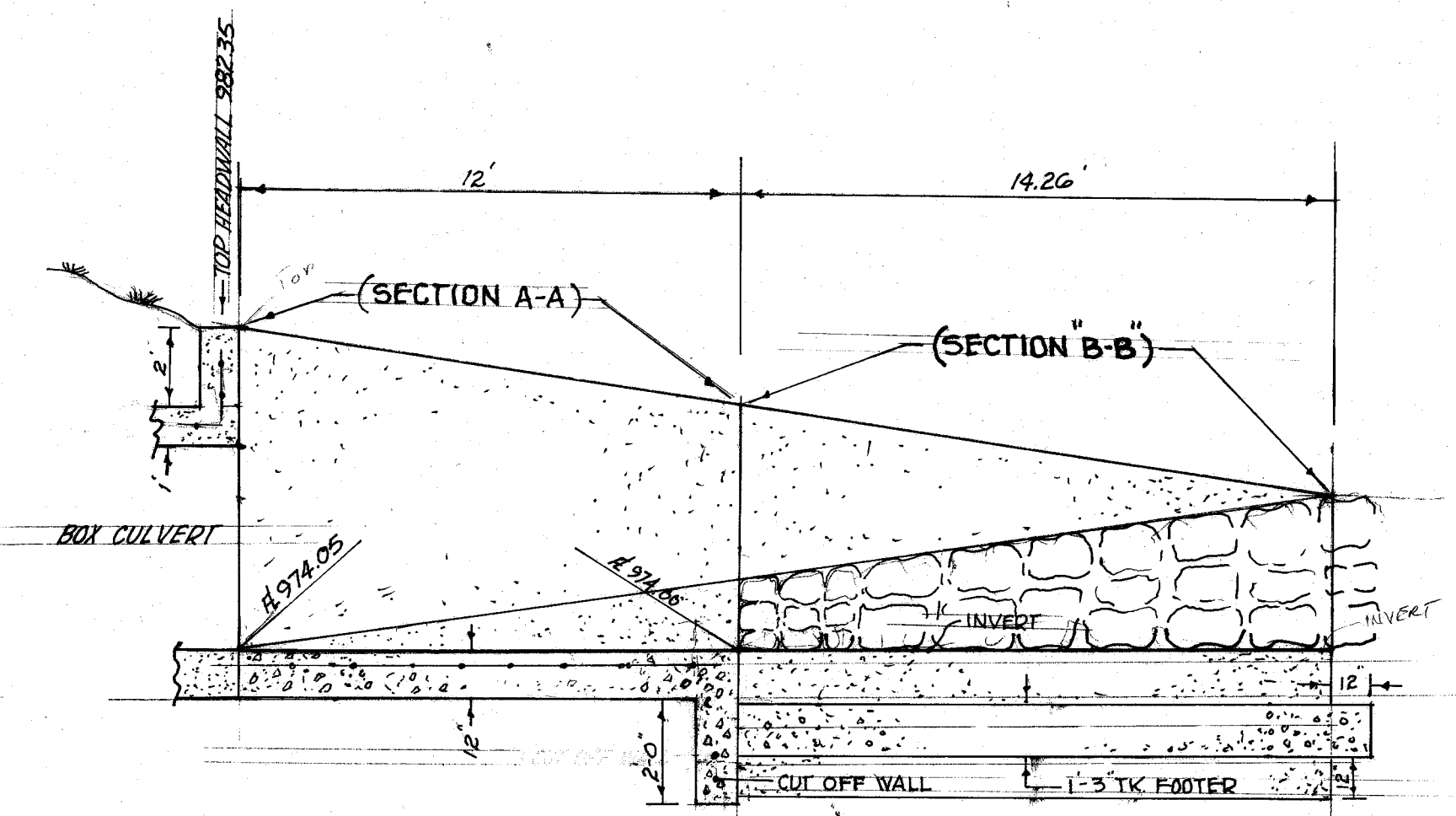
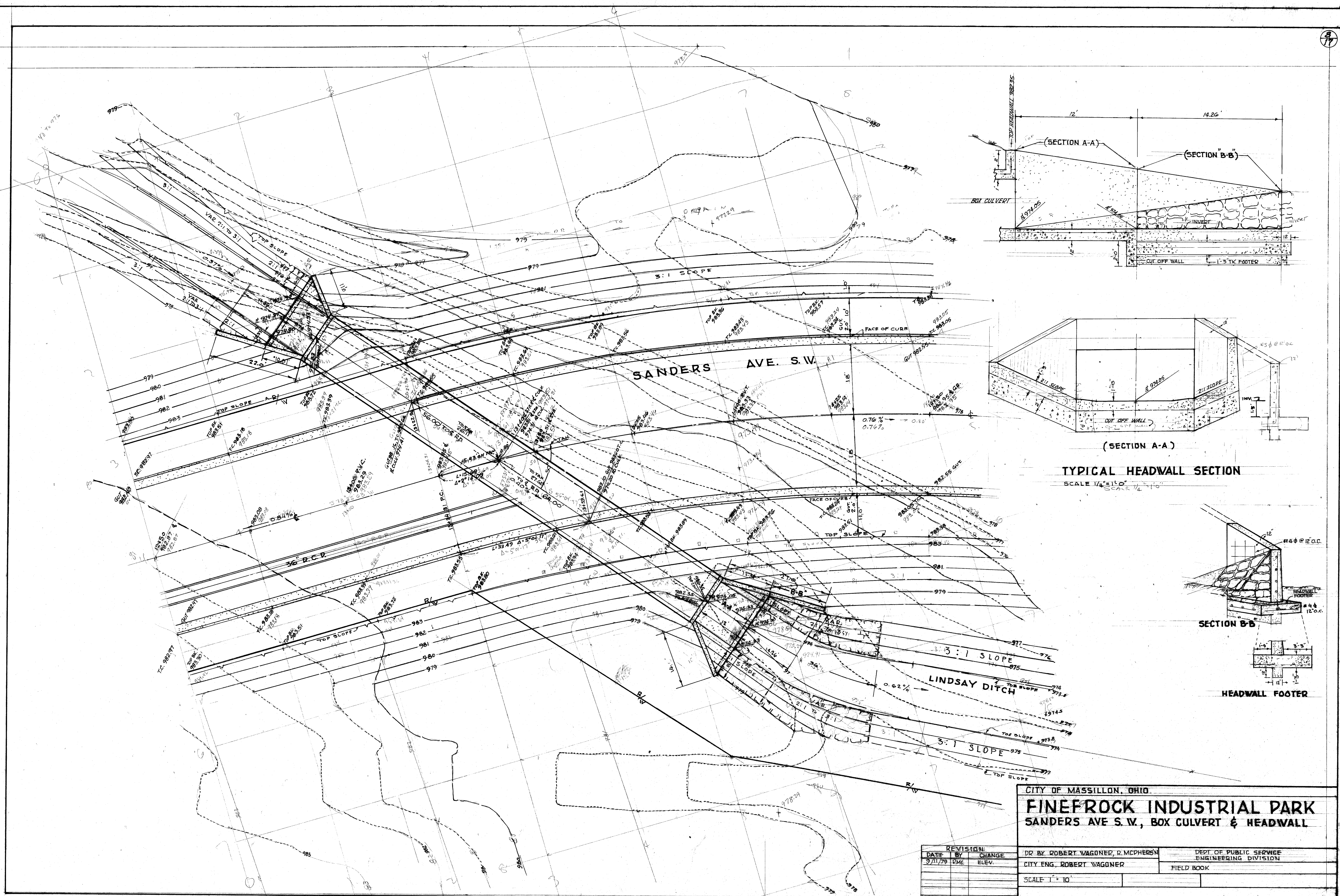


TYPICAL X-SECTION REINF'D BOX CULVERT
SCALE 1/2" = 1'-0"

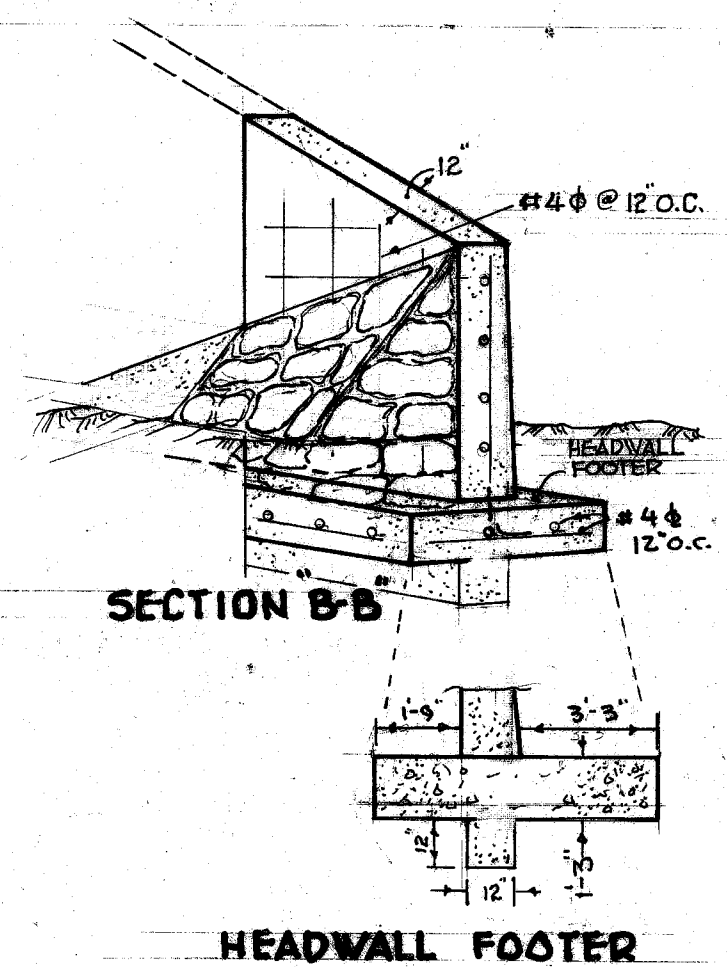


WEST ELEVATION, INLET, REINF'D CONC. CULV. EXT.
SCALE 1/4" = 1'-0"

CITY OF MASSILLON, OHIO	
FINE ROCK INDUSTRIAL PARK	
INTERSECTION DETAIL & CULVERT EXT.	
9TH ST. S.W. & SANDERS AVE. S.W.	
SCALE 1" = 10'	DEPT. OF PUBLIC SERVICE ENGINEERING DIVISION
	FIELD BK.
FILE NO. P-308 ACC. NO. 2927	

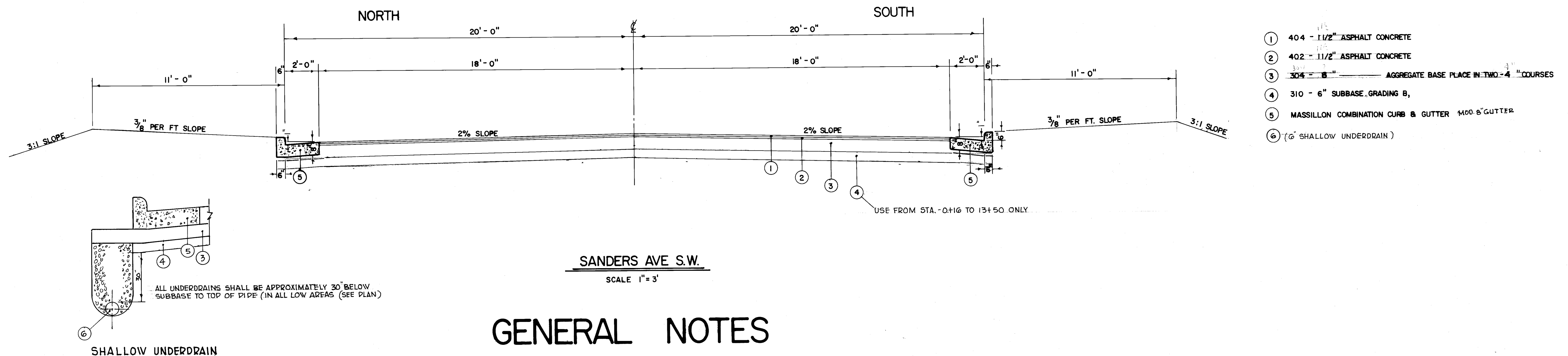


(SECTION A-A)
TYPICAL HEADWALL SECTION
SCALE 1/4" = 1'-0"



CITY OF MASSILLON, OHIO			
FINEFROCK INDUSTRIAL PARK			
SANDERS AVE S.W., BOX CULVERT & HEADWALL			
REVISION	DATE	BY	CHANGE
1	9/11/79	DMC	ELEV.
DR BY ROBERT WAGONER, R. MCPHERSON			
CITY ENG. ROBERT WAGONER			
DEPT. OF PUBLIC SERVICE			
ENGINEERING DIVISION			
FIELD BOOK			
SCALE 1" = 10'			

TYPICAL SECTIONS



GENERAL NOTES

REFERENCE

ALL REFERENCE TO ITEM AND SECTION NUMBERS APPEARING IN THESE PLANS SHALL BE CONSIDERED TO READ ITEM AND SECTION NUMBERS OF THE STATE OF OHIO: DEPARTMENT OF TRANSPORTATION CONSTRUCTION AND MATERIAL SPECIFICATIONS IN FORCE ON JANUARY 1, 1979 CITY OF MASSILLON STANDARD CURB AND GUTTER, CATCH BASINS AND MANHOLES SHALL BE USED.

NOTIFICATION

THE CONTRACTOR SHALL NOTIFY POLICE AND FIRE AUTHORITIES PRIOR TO CONSTRUCTION AS TO CLOSING OF 9TH ST. S.W.

UNDERGROUND UTILITIES

THE LOCATION OF THE UNDERGROUND UTILITIES SHOWN ON THE PLANS HAVE BEEN OBTAINED BY DILIGENT FIELD CHECK AND SEARCHES OF AVAILABLE RECORDS. IT IS BELIEVED THAT THEY ARE ESSENTIALLY CORRECT, BUT THE CITY OF MASSILLON DOES NOT GUARANTEE THEIR ACCURACY OR COMPLETENESS APPROXIMATE DEPTH OF UTILITIES ARE:

(OHIO WATER SERVICE CO. VARIES 4 TO 5 FT. COVER)
(EAST OHIO GAS CO. VARIES 2 1/2 TO 3 FT. COVER)

LIST OF AFFECTED UTILITIES

THE EAST OHIO GAS CO.
1717 EAST NINTH ST.
CLEVELAND, OHIO 44114

OHIO BELL TELEPHONE CO.
832 MCKINLEY AVE N.W.
ROOM 01
CANTON, OHIO 44703

OHIO EDISON COMPANY
48 1ST STREET N.E.
MASSILLON, OHIO 44646

OHIO WATER SERVICE CO.
123 THIRD ST. S.E.
MASSILLON, OHIO 44646

MASSILLON CABLE T.V.
814 CABLE CT. N.W.
MASSILLON, OHIO 44646

ESTIMATED QUATITIES

SPECIFIC LOCATIONS AND USAGE OF ESTIMATED QUANTITIES SET UP ON THIS PLAN TO BE USED" AS DIRECTED BY THE ENGINEER" SHALL BE MADE A MATTER OF RECORD BY INCORPORATION INTO THE FINAL CHANGE OR GOVERNING COMPLETION OF THIS PROJECT. ESTIMATED QUANTITIES OF MATERIAL SHALL NOT BE ORDERED FOR DELIVERY TO THE PROJECT UNLESS AUTHORIZED BY THE ENGINEER.

CENTERLINE CONTROL

THE CITY OF MASSILLON WILL FURNISH CENTERLINE CONTROL AND CONSTRUCTION STAKES, STAKES WILL BE SET ONE TIME ONLY, STAKES THAT ARE DISTURBED OR DESTROYED WILL BE REPLACED BY THE CONTRACTOR, AT HIS OWN EXPENSE.

SEEDING AND SODDING

QUANTITIES FOR SEEDING AND SODDING ARE CALCULATED FOR THE SOIL AREAS BETWEEN WORK LIMITS AS SHOWN ON THE CROSS SECTIONS. ALL AREAS OUTSIDE OF THE WORK LIMITS WHERE THE VEGETABLE GROWTH HAS BEEN DISTURBED OR DESTROYED BY THE CONTRACTOR SHALL BE SEED OR SODDED, AS REQUIRED, IN ACCORDANCE WITH THE SPECIFICATIONS BY THE CONTRACTOR AT NO EXTRA COST TO THE CITY.

REMOVAL OF EXISTING PIPE

THE REMOVAL OF ALL EXISTING PIPE DRAINS WHICH WOULD NORMALLY BE REMOVED IN THE VARIOUS EXCAVATION ITEMS SHALL BE INCLUDED FOR PAYMENT IN THE UNIT PRICES, BID FOR THE RESPECTIVE EXCAVATION ITEM UNLESS OTHERWISE SHOWN IN THE PLANS.

CONNECTION TO EXISTING PIPE

WHERE THE PLANS PROVIDE FOR PROPOSED CONDUIT TO BE CONNECTED TO OR TO CROSS EITHER OVER OR UNDER AN EXISTING SEWER, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE THE EXISTING PIPE BOTH AS TO LINE AND GRADE BEFORE HE STARTS TO LAY THE PROPOSED CONDUIT. PAYMENT FOR ALL OPERATIONS DESCRIBED ABOVE SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE PERTINENT 603 CONDUIT ITEMS.

OLD FOUNDATIONS

IF OLD FOUNDATIONS, CISTERNS OR WELLS OR ENCOUNTERED DURING EXCAVATION OR GRUBBING, THE COST TO REMOVE SUCH SHALL BE INCLUDED IN THE COST OF CLEANING AND GRUBBING. IF ANY EXISTING FILLS ARE ENCOUNTERED, THEY SHALL BE RECOMPACTED AND INCLUDED IN THE EMBANKMENT ITEM.

SCHEDULE

THE CONTRACTOR SHALL SUBMIT TO THE CITY ENGINEER A TENTATIVE SCHEDULE AS TO HOW HE PLANS TO PROCEED WITH THE WORK REQUIRED UNDER THIS CONTRACT INCLUDING SEQUENCE AND TENTATIVE DATE AS TO COMPLETION. IT IS OF THE UTMOST IMPORTANCE THAT THE CONTRACTOR CONCENTRATE HIS ENDEAVORS TO FINISH THE PORTION OF THE ROAD TO THE FIRE STATION AS SOON AS POSSIBLE.

COMMERCIAL FERTILIZER

ALL AREAS TO BE SEED OR SODDED SHALL HAVE COMMERCIAL FERTILIZER (18-46-0) MIX APPLIED AT THE RATE OF TWENTY POUNDS PER 1000 SQUARE FEET.

DUST CONTROL

THE FOLLOWING QUANTITIES OF CALCIUM CHLORIDE AND WATER ARE PROVIDED FOR DUST CONTROL FOR USE AS DIRECTED BY THE ENGINEER:

ITEM 616 WATER 10 M
ITEM 616 CALCIUM CHLORIDE 2 TON

REMOVAL OF TREES AND STUMPS

ALL TREES AND STUMPS SPECIFICALLY MARKED FOR REMOVE WITHIN THE CONSTRUCTION LIMITS OF THIS PROJECT SHALL BE REMOVED UNDER THE LUMP SUM PRICE BID FOR ITEM 201 CLEARING AND GRUBBING (UNDER 12" IN DIAMETER). THE FOLLOWING IS AN APPROXIMATE ESTIMATE OF THE NUMBER OF TREES AND STUMPS TO BE REMOVED.

SIZES 12" & OVER NO TREES 4 NO STUMPS 0

THE ABOVE ESTIMATE IS APPROXIMATE AND THE CITY RESERVES THE RIGHT TO ORDER THE REMOVAL OF ADDITIONAL TREES OR STUMPS OUTSIDE OF THE LIMITS OF CONSTRUCTION BUT WITHIN RIGHT-OF-WAY AND/OR EASEMENT LINES. PAYMENT FOR THE REMOVAL OF THESE ADDITIONAL TREES OR STUMPS SHALL BE INCLUDED IN THE LUMP SUM PRICE BID FOR ITEM 201 CLEARING AND GRUBBING.

ITEM 605 SHALLOW UNDERDRAINS

UNDERDRAINS SHALL BE PLACE AS DIRECTED BY THE ENGINEER. AN ESTIMATED QUANTITY OF 1910 LIN FT. OF UNDRAIN HAS BEEN PROVIDED IN THE GENERAL SUMMARY FOR THESE ITEMS.

REVIEW OF DRAINAGE FACILITIES

BEFORE ANY WORK IS STARTED ON THE PROJECT AND AGAIN BEFORE FINAL ACCEPTANCE BY THE CITY REPRESENTATIVES OF THE CITY AND THE CONTRACTOR SHALL MAKE AN INSPECTION OF EXISTING SEWERS WITHIN THE WORK LIMITS WHICH ARE TO REMAIN IN SERVICE AND WHICH MAY BE AFFECTED BY THE WORK. THE CONDITION OF THE EXISTING CONDUITS AND THEIR APPURTENANCES SHALL BE DETERMINED FROM FIELD OBSERVATIONS. RECORDS THE INSPECTIONS SHALL BE KEPT IN WRITING BY THE CITY.

ALL NEW CONDUITS INLETS, CATCH BASINS, MANHOLES AND SUMP BASINS CONSTRUCTED AS A PART OF THIS PROJECT SHALL BE FREE OF ALL FOREIGN MATTER AND IN A CLEAN CONDITION BEFORE THE PROJECT WILL BE ACCEPTED BY THE CITY. ALL EXISTING SEWERS INSPECTED INITIALLY BY THE ABOVE MENTIONED PARTIES SHALL BE MAINTAINED AND LEFT IN A CONDITION REASONABLY COMPARABLE TO THAT DETERMINED BY THE ORIGINAL INSPECTION. ANY CHANGE IN THE CONDITION RESULTING FROM THE CONTRACTORS OPERATIONS SHALL BE CORRECTED BY THE CONTRACTOR TO THE SATISFACTION OF THE ENGINEER. PAYMENT FOR ALL OPERATIONS DESCRIBED ABOVE SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE PERTINENT 603 CONDUIT ITEMS OF THIS CONTRACT.

COOPERATION WITH UTILITY COMPANIES

THE CONTRACTS IS ADVISED THAT THROUGHOUT THESE PLANS THE UTILITY COMPANIES HAVE BEEN CALLED UPON TO PERFORM NECESSARY ADJUSTMENT, RELOCATIONS AND INSTALLATION OF PUBLIC OR PRIVATE UTILITY FIXTURES, PIPE LINES AND OTHER APPURTENANCES WITHIN OR ADJACENT TO THE LIMITS OF CONSTRUCTION. THE CONTRACTOR SHALL COOPERATE WITH THE UTILITY COMPANIES IN ACCORDANCE WITH 105.06 TO ARRANGE A MUTUALLY ACCEPTABLE WORK SCHEDULE, SUBJECT TO THE APPROVAL OF THE ENGINEER COMPENSATION FOR THE ABOVE COOPERATION SHALL BE INCIDENTAL TO THE VARIOUS PAY ITEMS INCLUDED WITHIN THE PROJECT.

INTERPRETATION OF NOTES AND DETAILS

WHEN CONFLICT ARISES OVER THE INTERPRETATION OF NOTES AND DETAILS, THE NOTES AND DETAILS IN THE DRAWINGS TAKE PREFERENCE OVER THE GENERAL PROVISIONS AND SPECIFICATIONS THAT APPEAR IN THE CONTRACT.

PRIVATE ENTRANCE & MAINTAINING TRAFFIC TO GEM. TEC. BUILDING

THE CONTRACTORS ATTENTION IS DIRECTED TO SECTION 614.02 OF SPECIFICATION REGARDING VEHICULAR AND PEDESTRIAN INGRESS AND EGRESS FOR THE GEM. TEC. BUILDING ADJACENT TO THE PROPOSED IMPROVEMENT. WHEN THE NEW ROADWAYS ARE OPENED TO VEHICULAR TRAFFIC ALL THE PEDESTRIAN TRAFFIC FACILITIES ADJACENT TO ALL ROADWAY IMPROVEMENT SHALL ALSO BE OPENED. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN BARRICADES AND LIGHTS AS MAY BE NECESSARY TO ACCOMMODATE TO A REASONABLE MANNER THE PEDESTRIANS TRAFFIC WHICH IS TO BE MAINTAINED. SANDERS AVE TRAFFIC TO GEM TEC, FROM 9TH ST. S.W. OR 14TH ST. S.W. SHALL BE MAINTAINED AT ALL TIMES.

LIGHTS AND SIGNS ADJACENT ROAD INTERSECTION

THE CONTRACTOR SHALL IN ADDITION TO THE GENERAL REQUIREMENTS OF ITEM 614 ON THIS PROJECT PERFORM THE FOLLOWING: PROVIDE, ERECT AND MAINTAIN STANDARD 48" x 30" SIZE ROAD CLOSED SIGNS, SIGN SUPPORT AND LIGHT AT THE FOLLOWING LOCATIONS DURING PERIOD IN WHICH THE 9TH ST. S.W. IS CLOSED TO TRAFFIC.

- (A) AT THE INTERSECTION OF 9TH ST. S.W., SOUTH OF OBERLIN RD. S.W.
(B) AT THE INTERSECTION OF ALBRECHT AVE S.W., EAST OF CARMONT S.W.

DETOUR

A DETOUR SHALL BE PROVIDED BY THE CONTRACTOR FOR 9TH ST. S.W. & SANDERS AVE S.W. AS SHOWN OF SHEET NUMBER 1. THE CONTRACTORS SCHEDULE FOR CLOSING MUST BE KEPT TO A MINIMUM. ALL WORK SHALL BE COMPLETED OUTSIDE EXISTING ROADWAY THAT IS PRACTICAL BEFORE ROADWAY IS CLOSED.

WEEKLY AND MONTHLY REPORTS

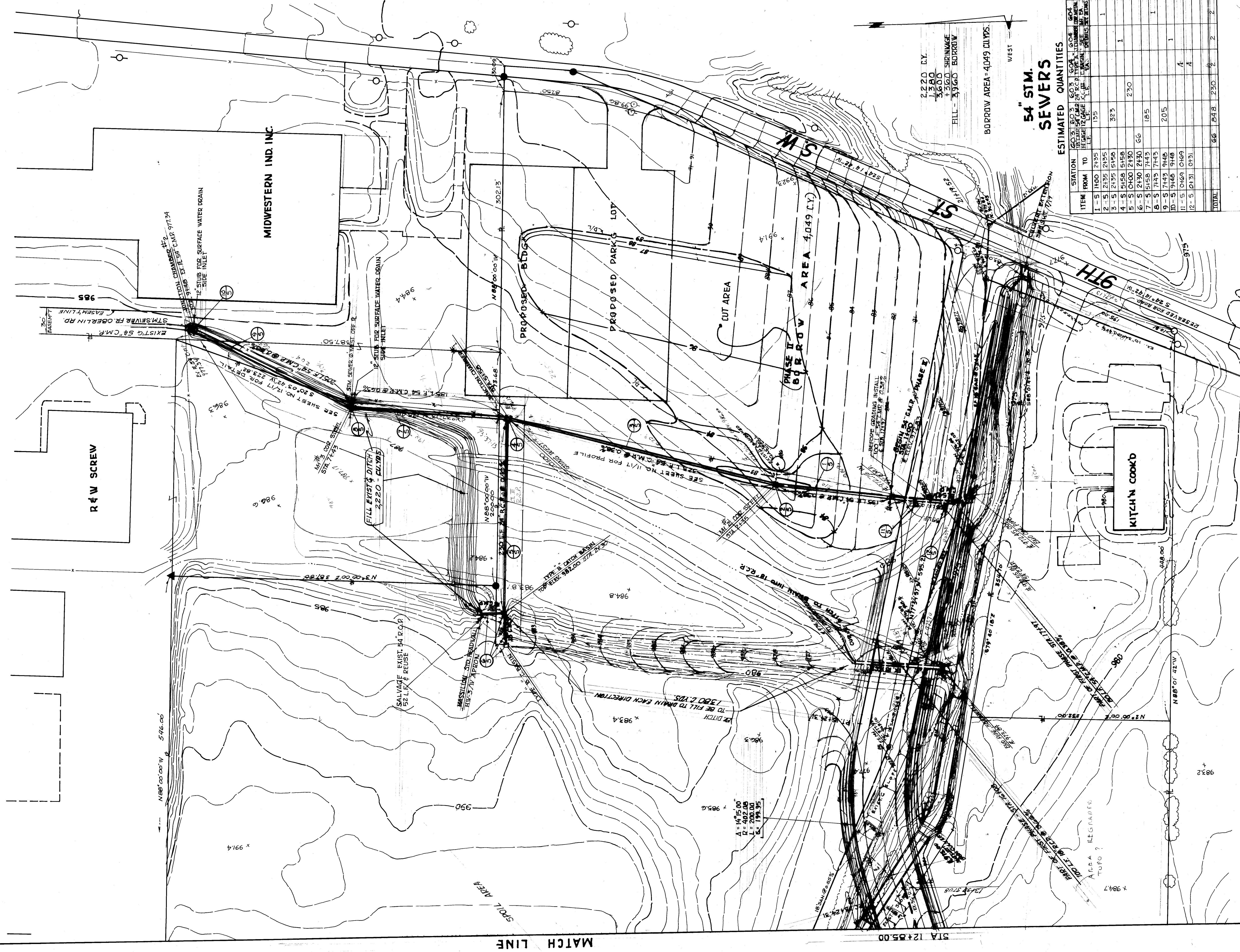
THE EEO OFFICER SHALL RECIEVE BOTH THE WEEKLY REPORTS (WH-347) AND THE MONTHLY REPORTS (STANDARD FORM 257) ON THIS PARTICULAR PROJECT.

OVERTIME

THE CONTRACTOR WILL PAY THE CITY INSPECTORS OVERTIME WAGES FOR ALL WORK THAT IS DONE ON SATURDAY, SUNDAY OR LEGAL HOLIDAYS. THE OVERTIME WAGES WILL BE PAID DIRECTLY TO THE CITY OF MASSILLON.

203 EXCAVATION

THIS ITEM IS TO INCLUDE ALL NECESSARY EXCAVATION TO FINISH GRADE & CROSS-SECTION WITHIN PROJECT LIMITS INCLUDING STREET RIGHT-OF-WAYS, SLOPES, SEWER EASEMENTS, BORROW AREA

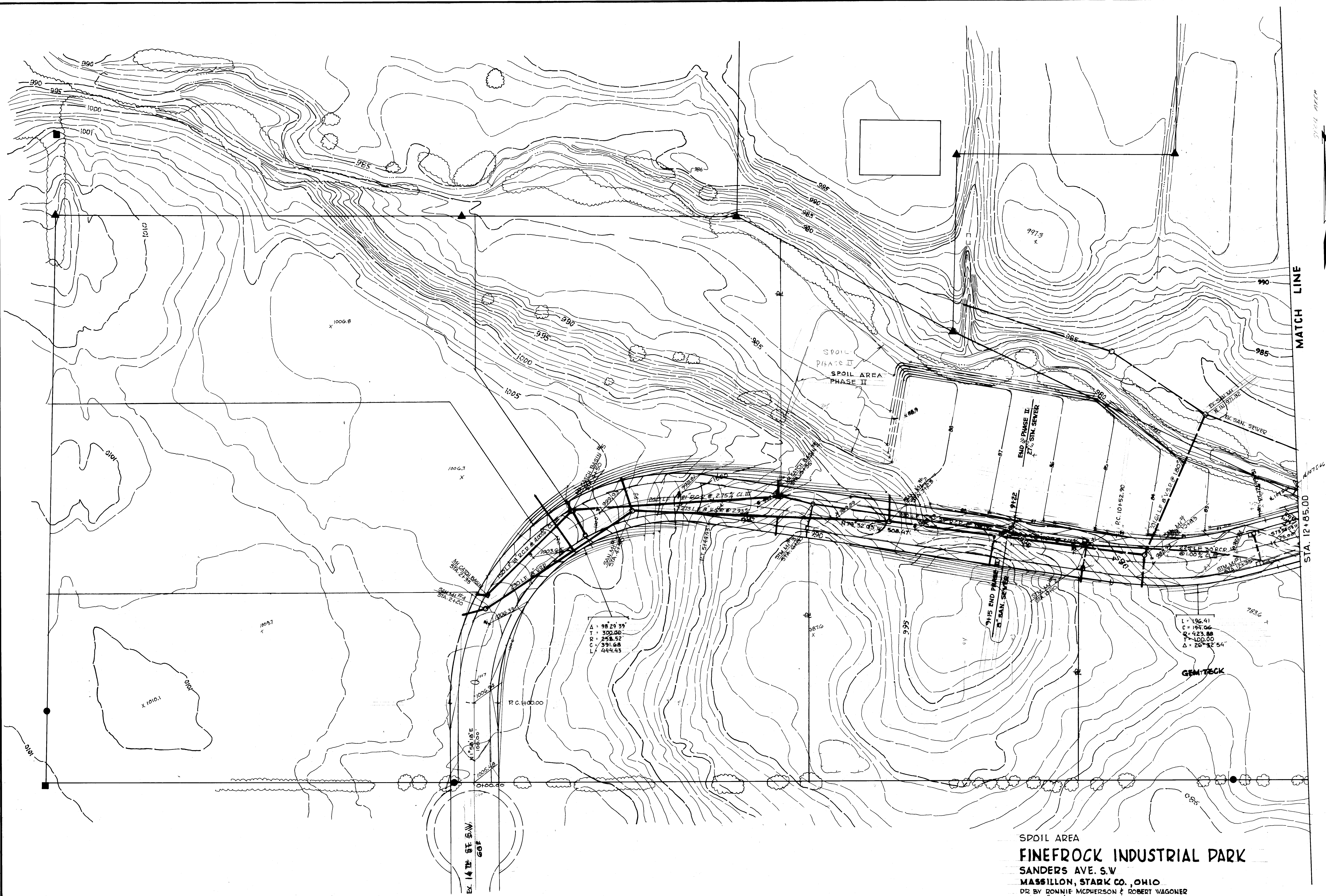
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54" S.T.M.
SEWERS

BORROW AREA = 4049 CU.YDS.

2,220	C.Y.
<u>1,380</u>	
3,600	
+ 360	SHRINKAGE
<u>HILL - 3,960</u>	BORROW

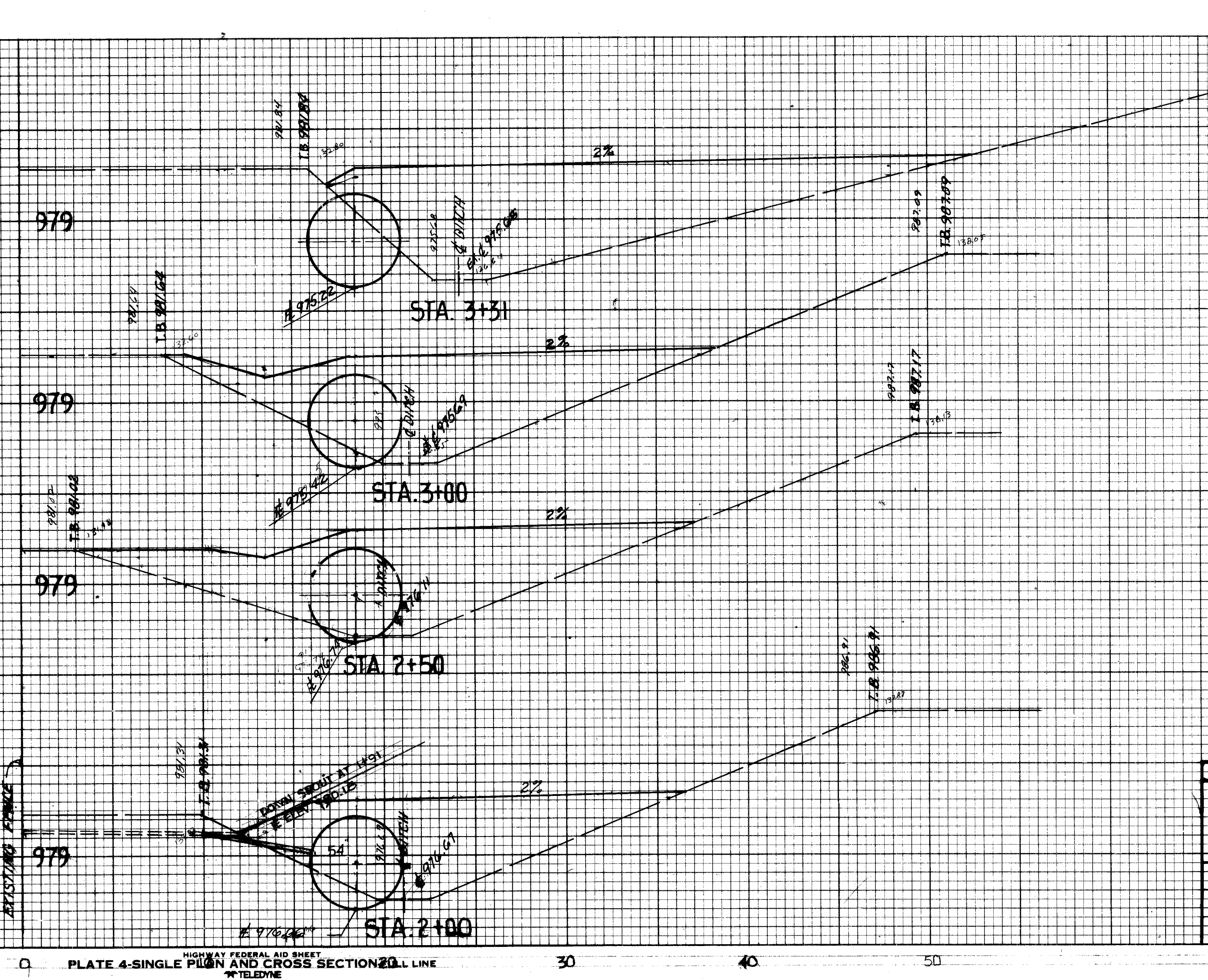
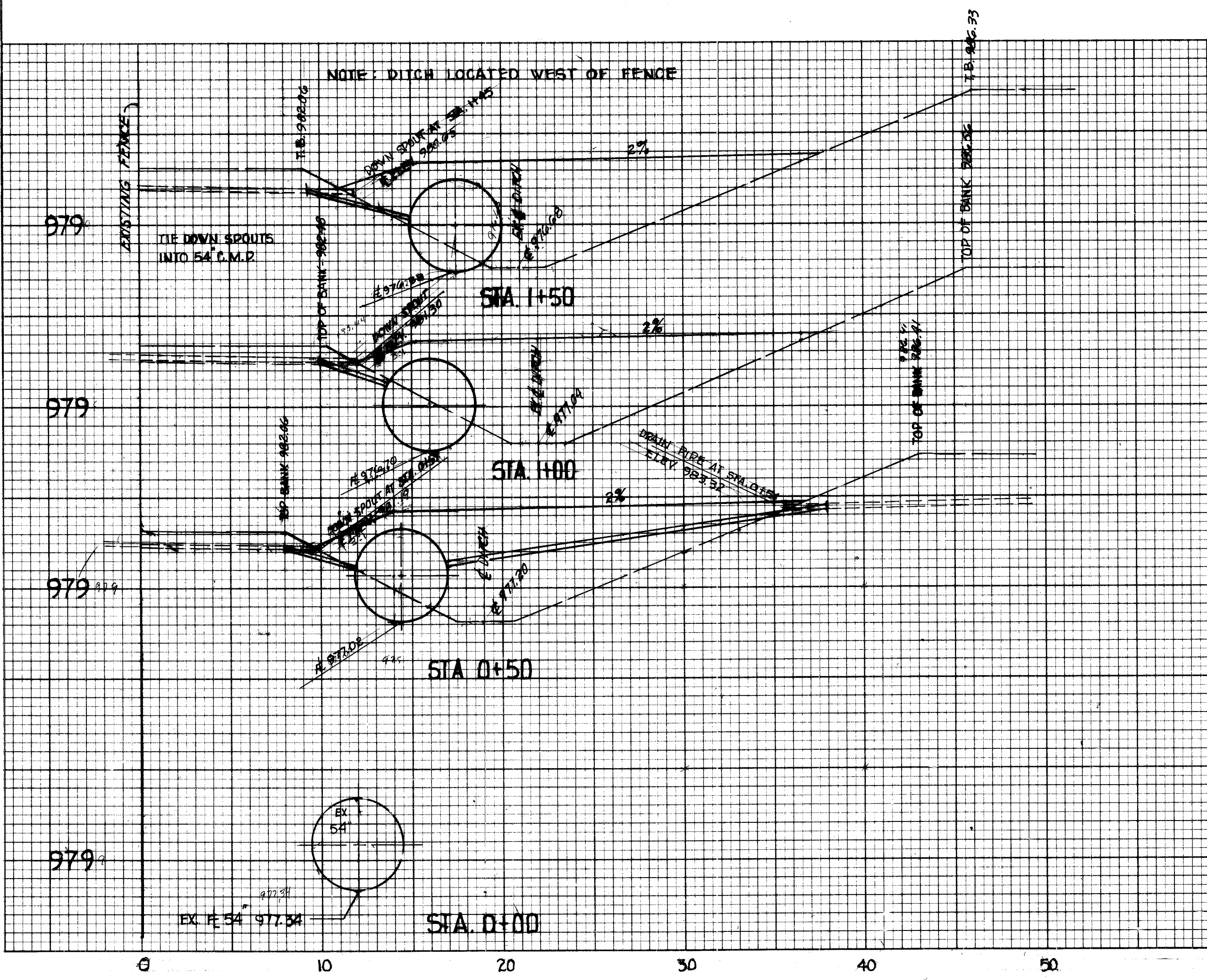
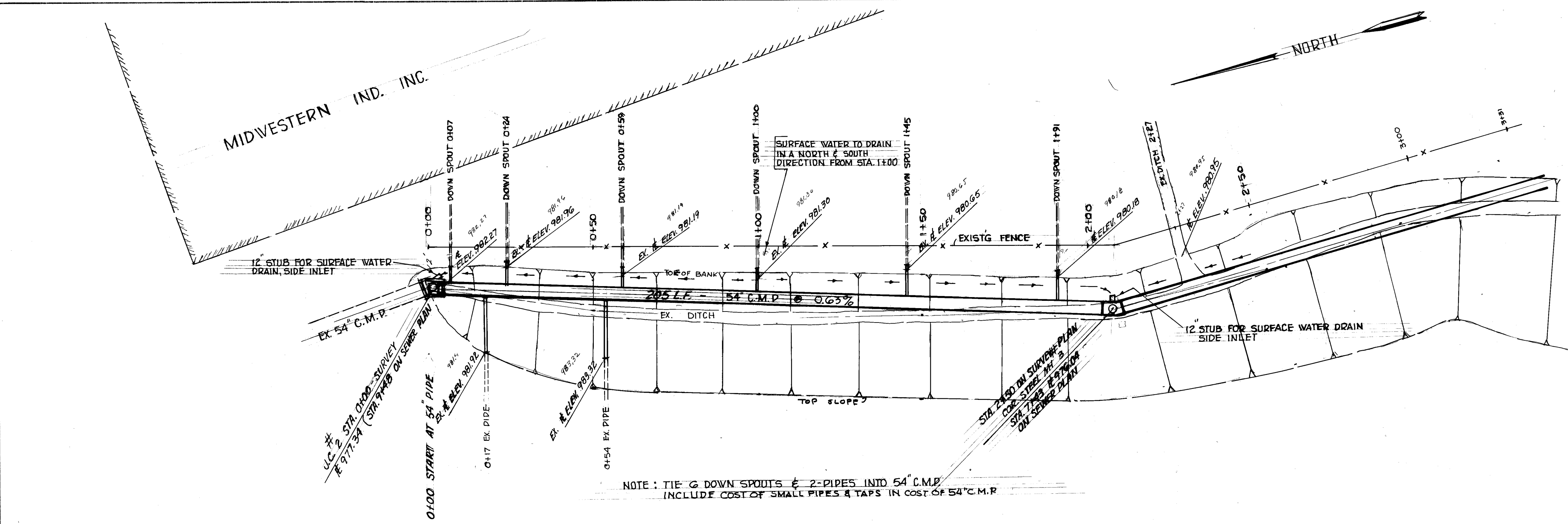
FINEFROCK INDUSTRIAL PARK
SANDERS AVE. S.W. + 7000 J.W.
MASSILLON, STARK CO., OHIO
DR BY RONNIE MCPHERSON
SCALE 1"=50'



SPOIL AREA
FINEFROCK INDUSTRIAL PARK
SANDERS AVE. S.W.
MASSILLON, STARK CO., OHIO
DR. BY RONNIE MCPHERSON & ROBERT WAGONER
SCALE 1" = 50'

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

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

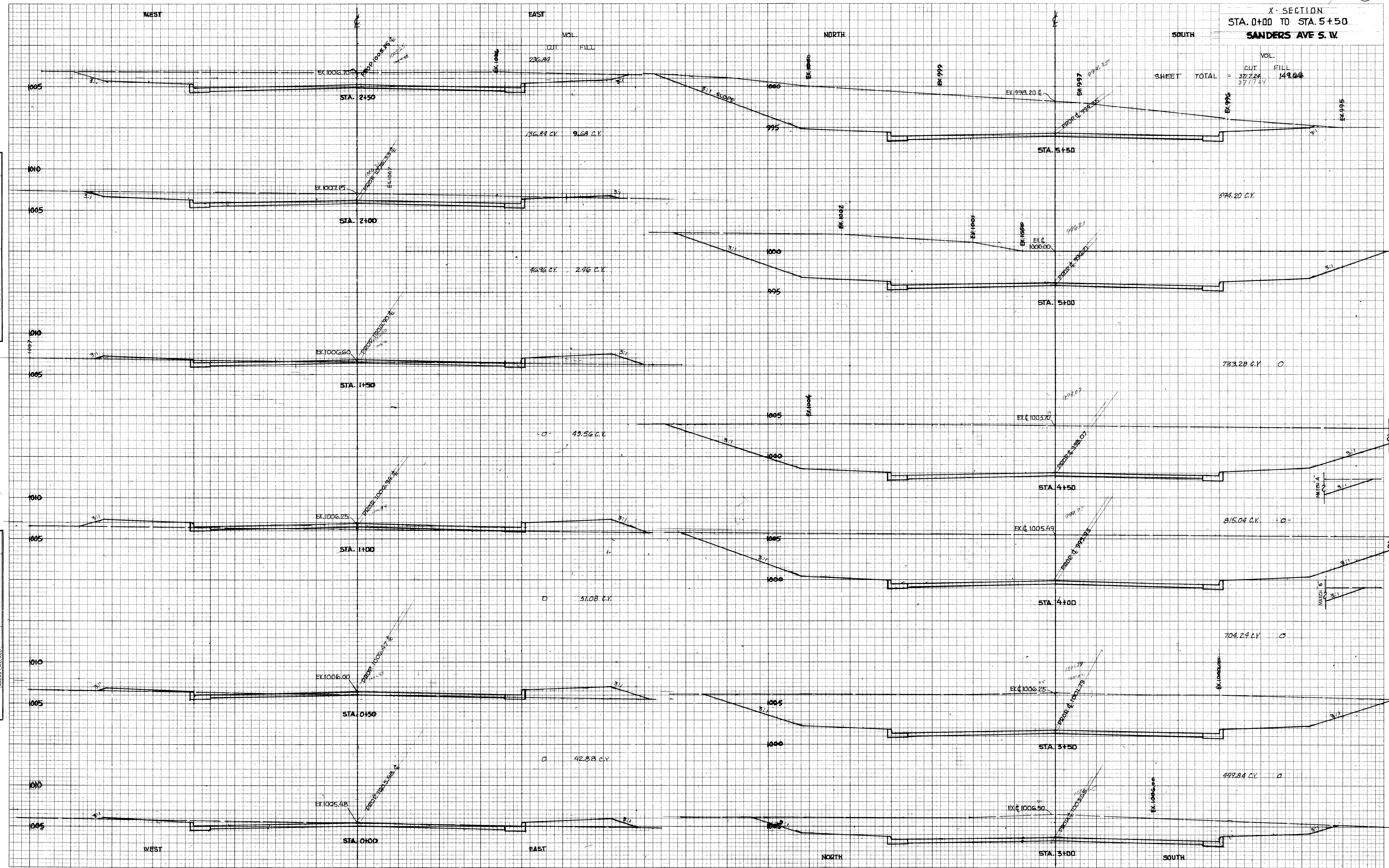


CITY OF MASSILLON OHIO	
FINEFROCK INDUSTRIAL PARK	
EX DOWN SPOUTS & EX PIPES	
DR BY RONNIE MCPHERSON	ENGINEERING DIVISION
CITY ENGINEER ROBERT WAGONER	FIELD BK 237 PAGE 77
SCALE 1"=20'	

VOL.

CUT FILL

SHEET TOTAL = $\frac{377.224}{371724}$ 149.66



FINAL	BY	DATE
SURVEY		
PLOTTED		
TEMP.		
NOTE BOOK		
AREAS		
AREAS CHECKED		
NO.		

DATE	BY	
		SURVEYED
		PLOTTED
		TEMPLATE
		AREAS
		AREAS SURVEYED
		NO

X-SECTIONS
STA. 6+00 TO 10+50
SANDERS AVE S.W.

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

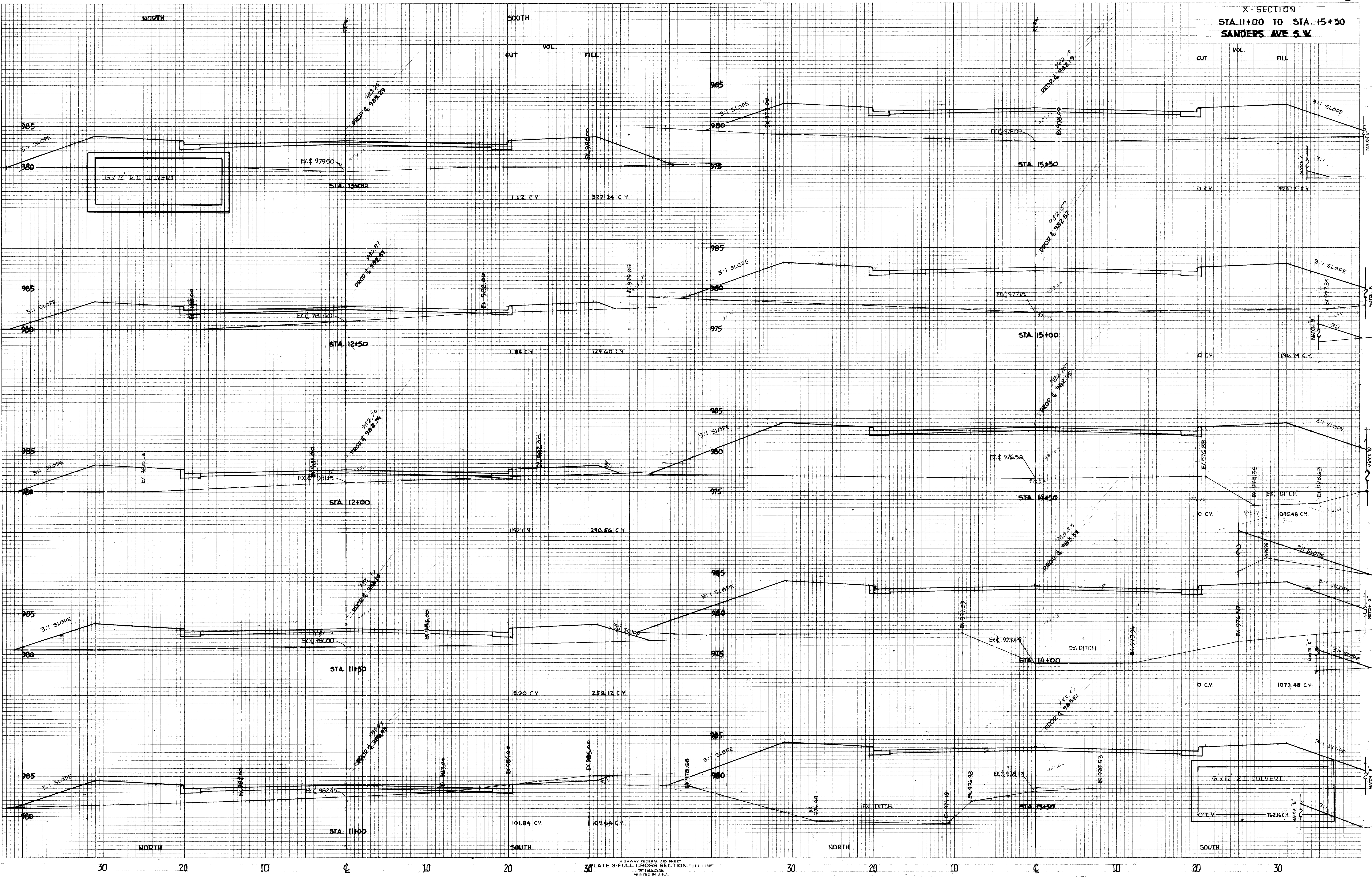
ORIGINAL SURVEY	DATE
	BY
	SURVEYED
	PLOTTED
NOTE BOOK	NO.
TEMPLATE	NO.
AREAS CHECKED	NO.



X-SECTION
STA. 11+00 TO STA. 15+50
SANDERS AVE S.W.

FINAL SURVEY
DATE
BY
SURVEYED
PLOTTED
NOTE BOOK
NO.
AREAS CHECKED

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



X-SECTION
STA. 16+00 TO STA. 20+00
SANDERS AVE S. W.

EX 984.78

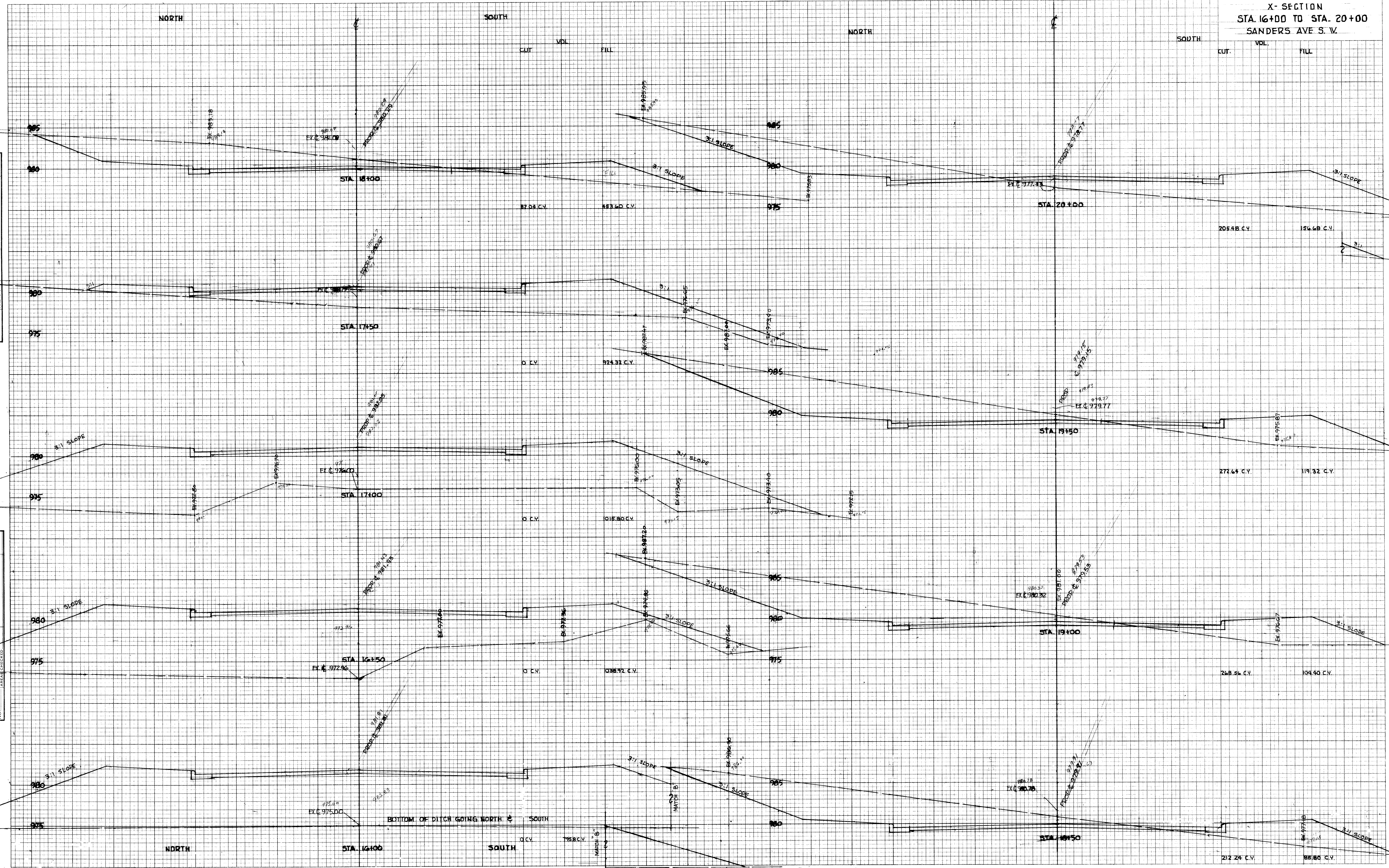
EX 984.45

EX 973.90

EX 974.75

FINAL SURVEY	SURVEYED	DATE
	PLOTTED	BY
	NOTED	NO.
	CHECKED	AREAS CHECKED

ORIGINAL SURVEY	SURVEYED	DATE
	PLOTTED	BY
	NOTED	NO.
	CHECKED	AREAS CHECKED



X- SECTION
STA. 20+50 TO STA. 21+19.52
SANDERS AVE S.W.

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

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

