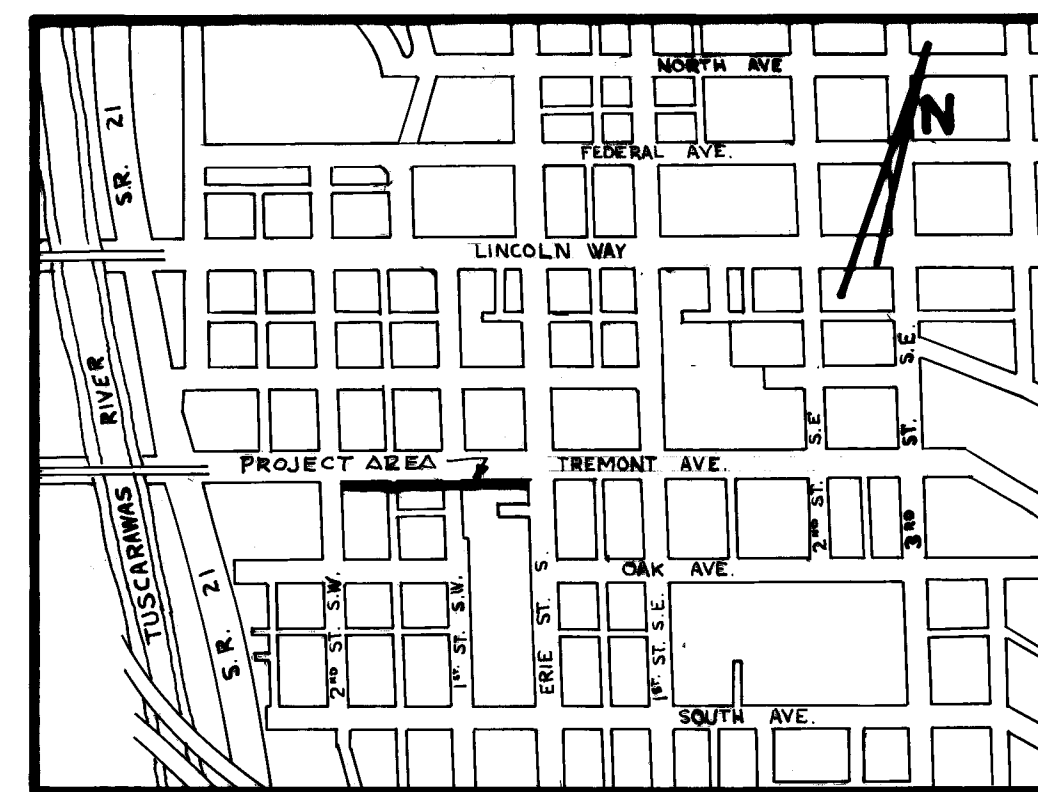


LOWRY PRICE RENEWAL AREA

CANAL STORM SEWER BYPASS

TREMONT AVE. S.W., 2nd ST. to ERIE ST. S.

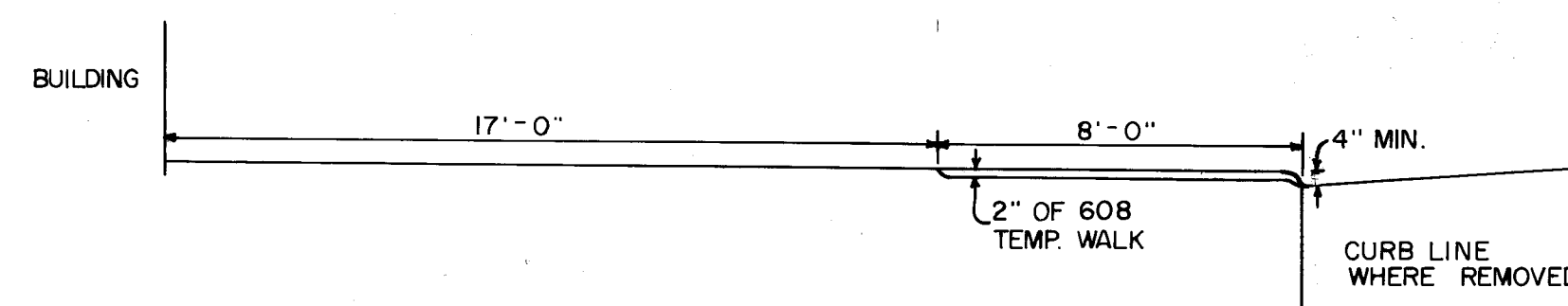
SITE MAP SCALE 1" = 600'



GENERAL NOTES:

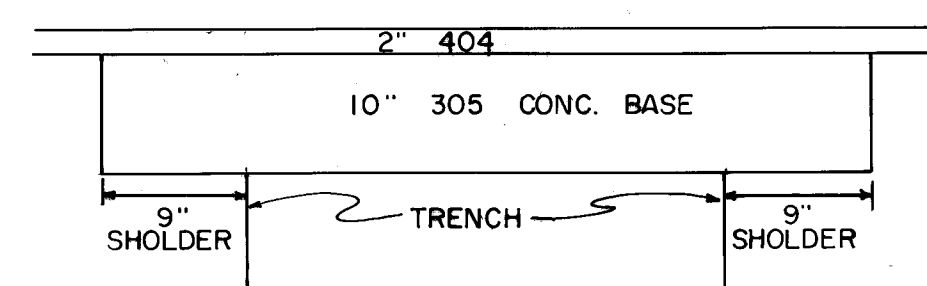
1. ALL CONSTRUCTION TO BE PER CITY OF MASSILLON & OHIO DEPARTMENT OF TRANSPORTATION SPECIFICATIONS AND STANDARDS. WHEN THERE IS CONFLICT BETWEEN SPECIFICATIONS & STANDARDS THE CITY'S TAKES PREFERENCE.
2. CONTRACTOR SHALL PAY THE CITY'S INSPECTORS FOR ALL WORK BEFORE 7:30 A.M. AND AFTER 4:00 P.M. MONDAY THROUGH FRIDAY AND ALL HOURS ON SATURDAY, SUNDAY OR HOLIDAYS AT TIME AND ONE HALF THE RATE IN THE CITY'S WAGE ORD. THAT IS IN EFFECT.
3. CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANYS BEFORE WORK IS DONE.
4. CONSTRUCTION SIGNS: CONTRACTOR SHALL ERECT AND MAINTAIN ALL NECESSARY CONSTRUCTION SIGNS, BARRICADES AND LIGHTS. THIS IS TO BE INCLUDED IN THE BASE PRICE OF THE PIPE.
5. O-RINGS TO BE USED IN PRECAST MANHOLES.
6. ALL MANHOLES TO BE PRECAST CONCRETE WITH A MINIMUM OF 1'-0" OF ADJUSTING RINGS ON TOP OF CONE.
7. BACKFILL TO BE COMPACTED PER SPECIFICATIONS. IF UNSUITABLE GRANULAR BACKFILL MAY BE ORDERED BY THE ENGINEER.
8. COST OF COMPACTION PER LIN. FT. WILL BE INCLUDED IN THE PRICE OF CONCRETE PIPE.
9. ALL C-BASINS & MANHOLES TO BE MASSILLON CITY STANDARD. SEE ATTACHED SHEETS.
10. BACKFILL MUST BE AT OPTIMUM MOISTURE.
11. ONLY A QUALIFIED BRICK LAYER EXPERIENCED IN C-BASINS MAY BE USED.
12. BRICK LAYER & METHOD OF CONSTRUCTION SHALL BE SUBJECT TO THE APPROVAL OF THE CITY ENGINEER.
13. CITY'S STANDARD ON BRICK LAYING IN FREEZING WEATHER WILL BE STRICTLY ADHERED TO.
14. BEDDING IS TO BE INCLUDED IN THE PRICE OF PIPE. SEE SKETCH FOR STANDARDS. CITY WILL NOT PAY FOR EXCESS MATERIAL IF CONTRACTOR EXCAVATES DITCH WIDER OR DEEPER THAN PLANS SPECIFY.
15. PRECAST C-BASINS ARE PERMISSIBLE PROVIDED A SIX (6) INCH ADJUSTING RING IS USED.
16. ALL STREET REPAIR TO BE AS PER DETAIL.
17. MORTAR JOINTS OR MASTIC JOINTS ARE PERMISSIBLE IN THE CONCRETE PIPE.
18. WHEN CONFLICT ARISES OVER THE INTERPRETATION OF NOTES & DETAILS, THE NOTES & DETAILS IN THE DRAWINGS TAKE PREFERENCE OVER THE GENERAL PROVISIONS & SPECIFICATIONS THAT APPEAR IN THE CONTRACT.
19. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO MAINTAIN THE TEMPORARY REPAIR, FOR A PERIOD OF 60 DAYS.
20. CONNECTING THE NEW STORM SEWER TO THE EXISTING MANHOLE, EXISTING FIELD DRAINS, ETC., WILL BE INCLUDED IN THE UNIT PRICE OF THE PIPE.
21. IF SANITARY SEWER LATERALS ARE BROKEN, THE CONTRACTOR WILL REPAIR THE LATERAL AT HIS OWN EXPENSE.
22. 203 EMBANKMENT GRANULAR BORROW; MATERIAL SHALL BE A GRANULAR BANK RUN GRAVEL, CONSOLIDATED TO IT MAXIMUM DENSITY IN PLACE.

D. A. DEMMER _____ MAYOR
RICHARD KASERMAN _____ SAFETY SERVICE DIR.
ROBERT WAGONER _____ CITY ENGINEER



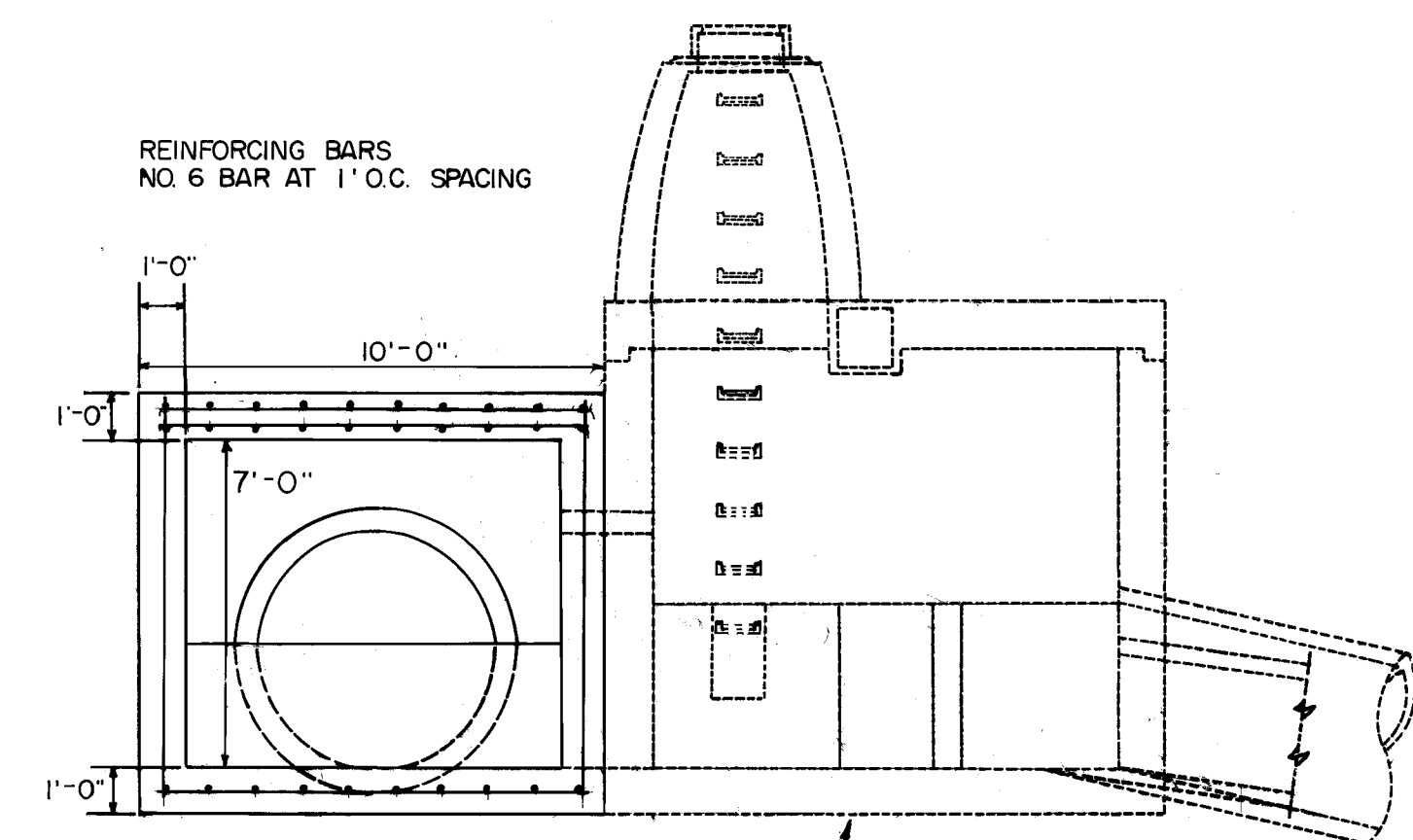
SKETCH OF
TEMPORARY WALK

SCALE 1/4" = 1'

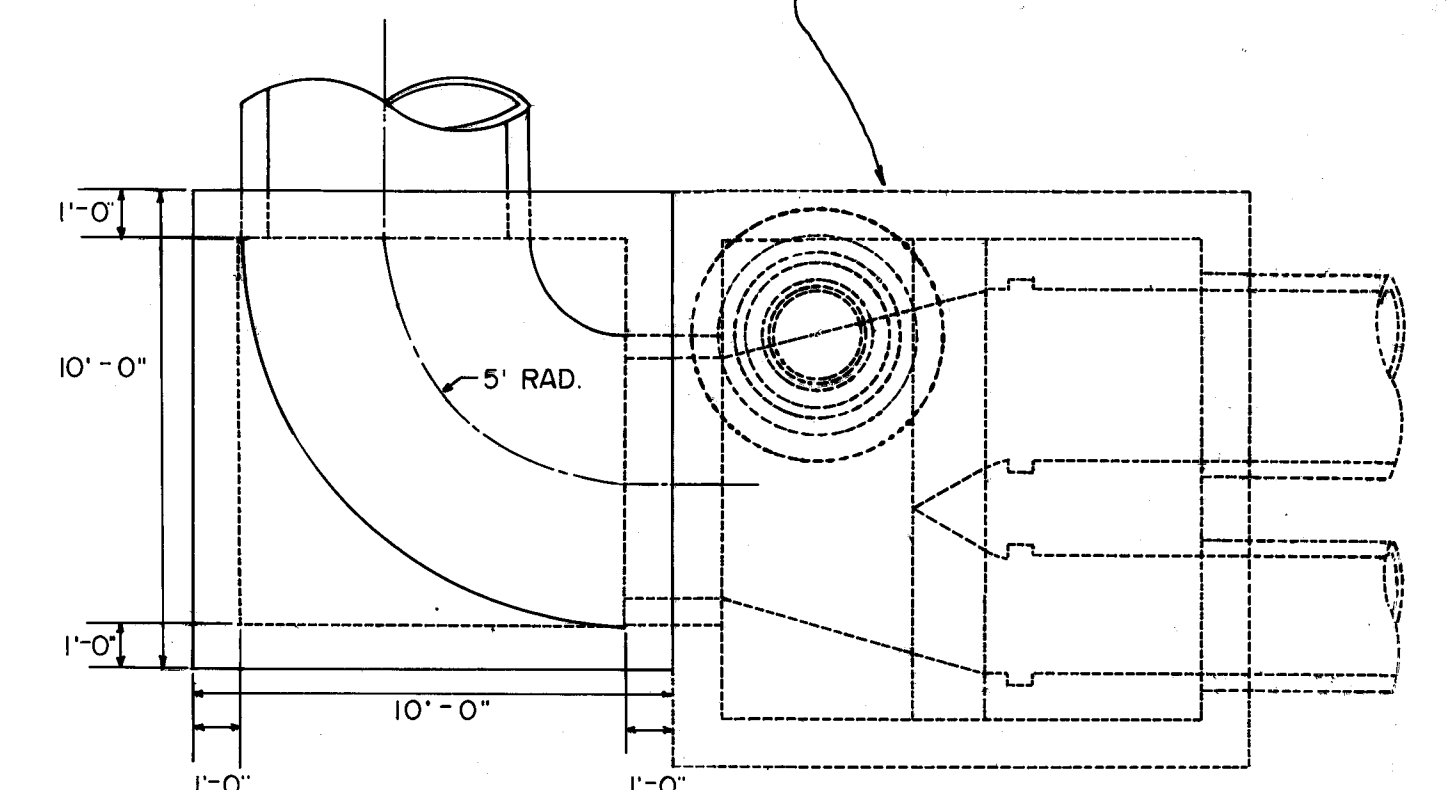


TYPICAL SECTION OF
TRENCH

SCALE 1" = 1'

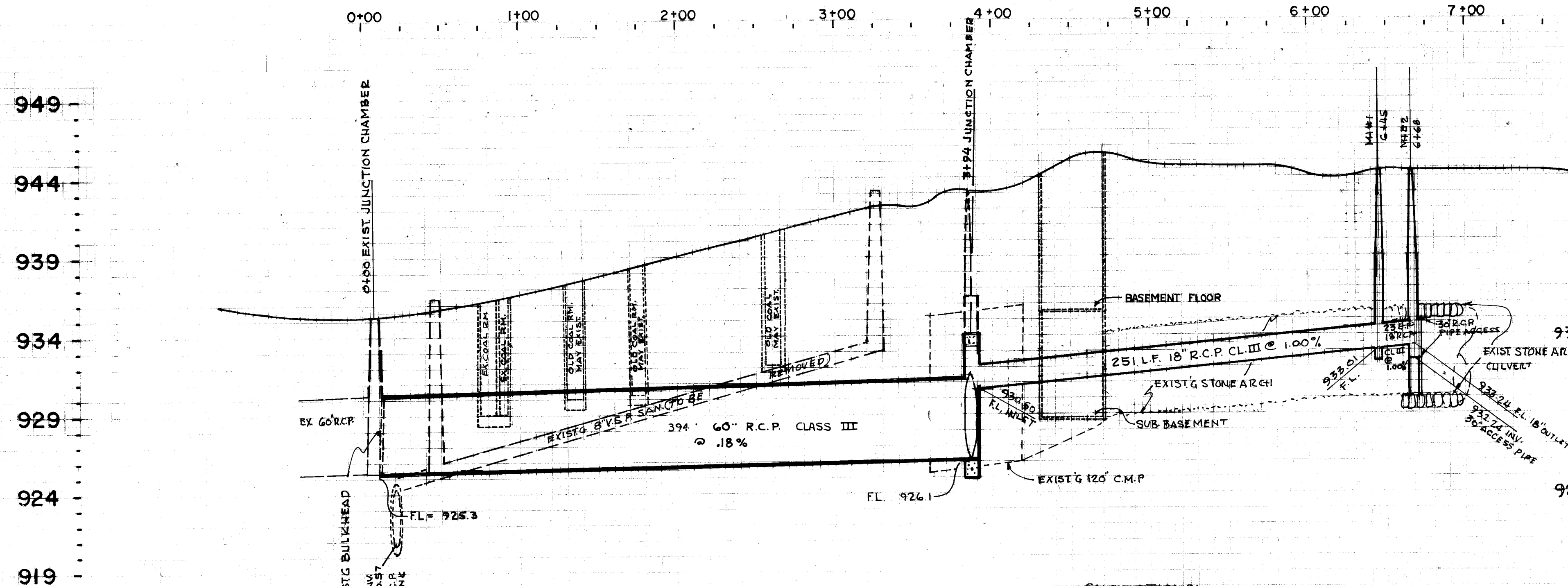
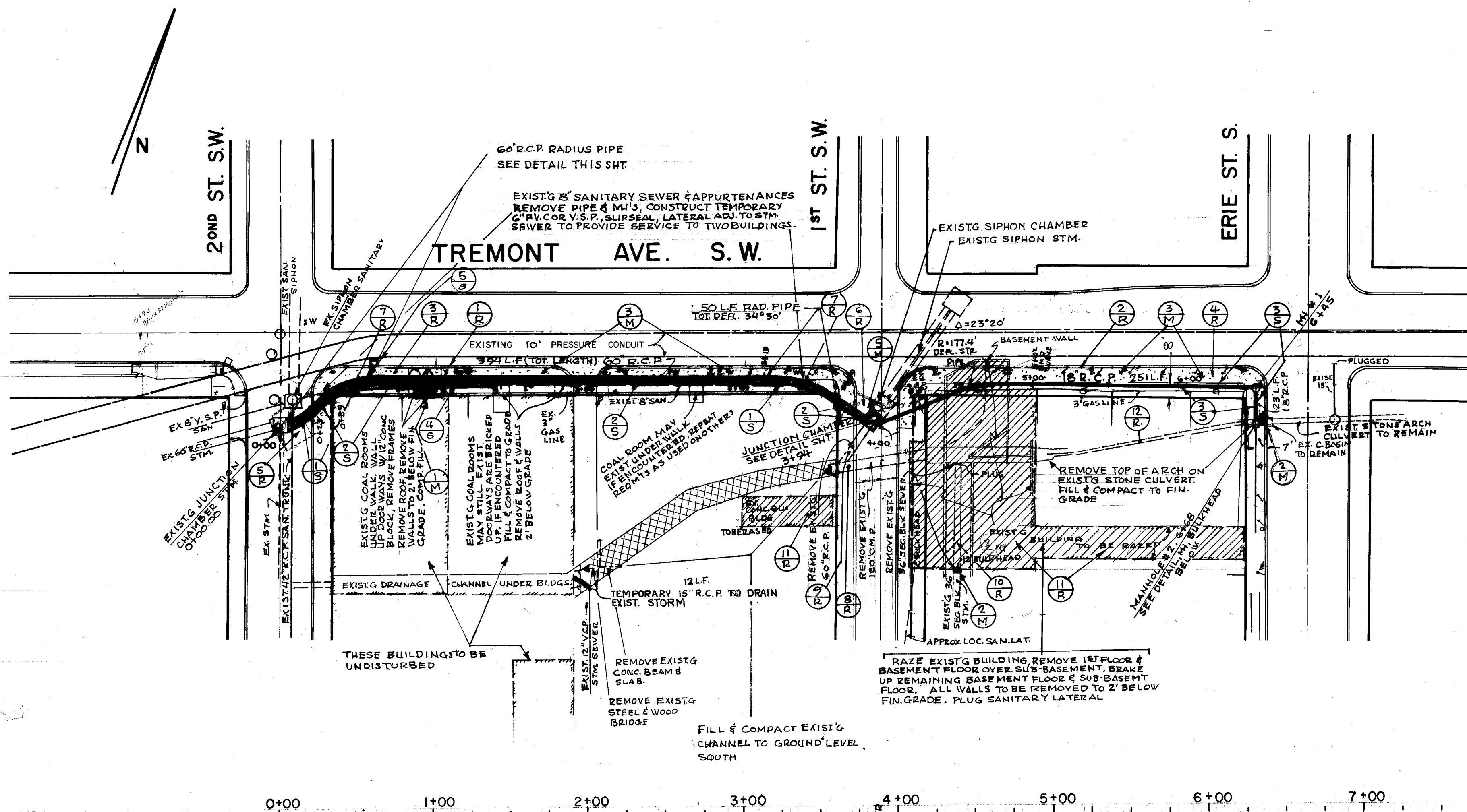


EXISTING SIPHON CHAMBER



DETAIL 604 JUNCTION CHAMBER

SCALE 1/4" = 1'



CALCULATIONS:

ITEM 205 EMBANKMENT: GRANULAR BORROW
 1+95 TO 3+60, RE-FILL OLD CHANNEL 1352 CY.
 3+60 TO 4+25 RT. FILL 60" R.C.P. REMOVAL 598 CY.
 4+25 TO 5+05 RT. BLDG. REMOVAL 1260 CY.
 5+05 TO 6+40 CULVERT REMOVAL 240 CY.
 4174 CY.

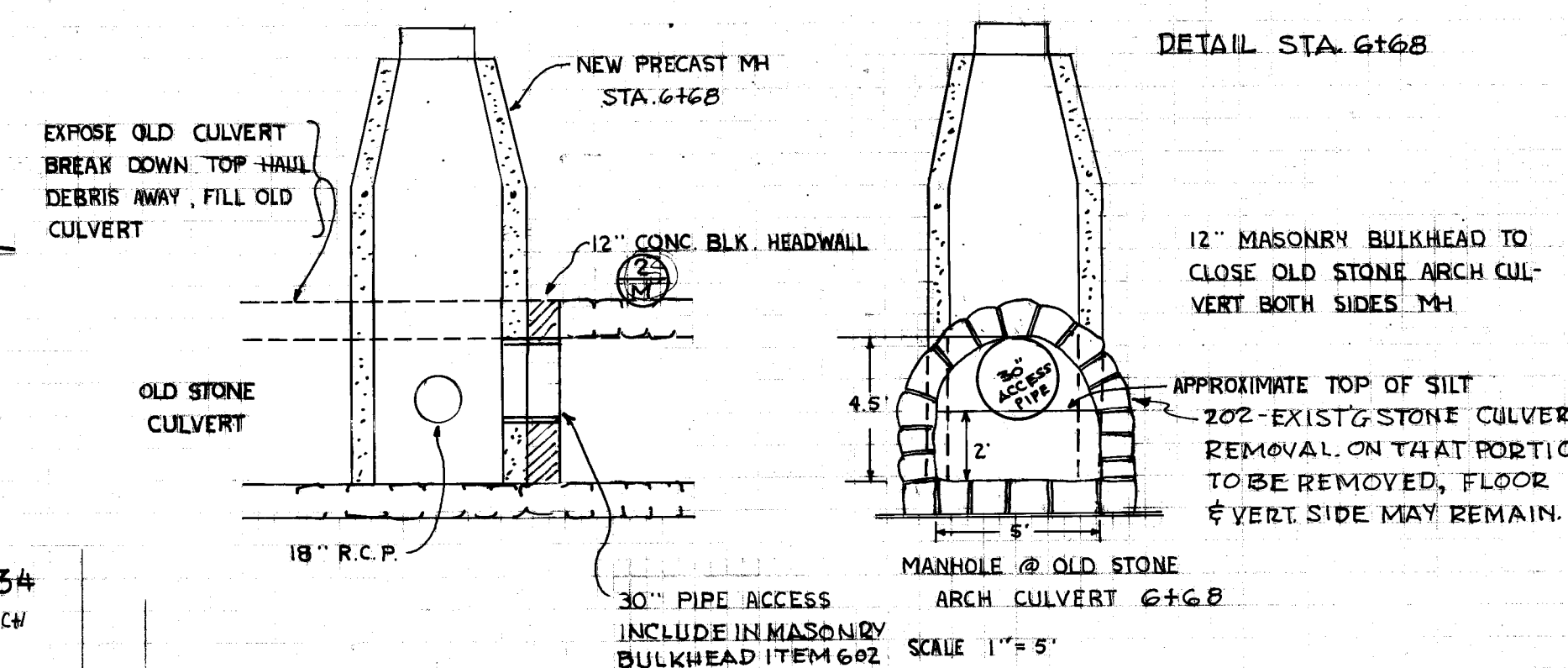
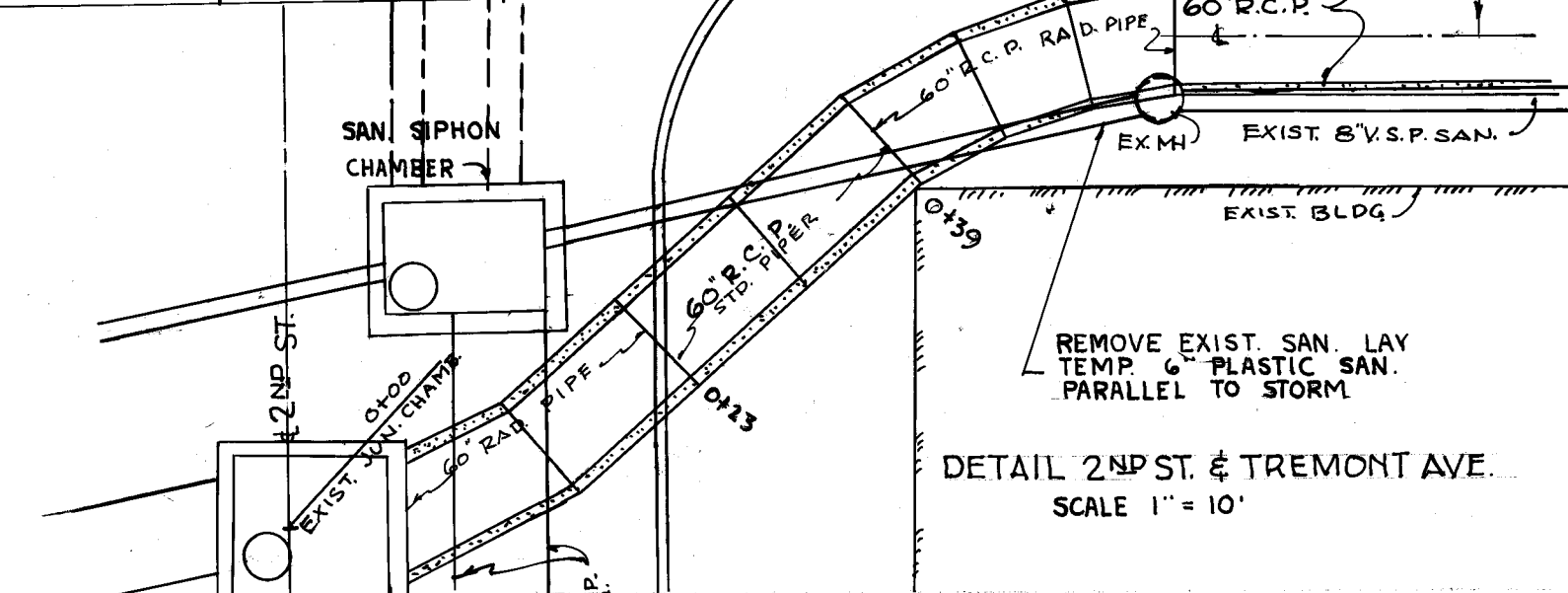
ITEM 304 AGGREGATE BASE 12" OVER TRENCH
 605' X 18" X 12" = 1444 CY. (1 CY.)

REMOVALS

	STATIONS		SIDE	202	202	202	202	202	202	202	202	202	202
	FROM	TO		REMOVE EX. CURB L.F.T.	REMOVE EX. WALK Sq. FT.	REMOVE EX. PAVT Sq. YDS.	REMOVE EX. M.H.'S EA.	REMOVE EXIST. 8" PIPE L.F.	REMOVE EXIST. 12" C.M.P. L.F.	REMOVE EX. 60" R.C.P. L.F.	REMOVE EX. 36" S.C. S.W. L.F.	EXIST'G BLDG'S REMOVED EA.	EXIST'G STONE CUL. REMOVED L.F.
1R	0+20	3+90	RT. L.T.	430									
2R	4+08	6+75	RT. L.T.	308									
3R	0+20	3+90	RT. L.T.		6260								
4R	4+08	6+75	RT. L.T.		4310								
5R	0+00	0+30	RT. L.T.			772							
6R	3+82	4+12	RT. L.T.			155							
7R	0+35	3+43	E.				2	300					
8R	3+80	4+25	RT.						60				
9R	3+85	3+96	RT.							40			
10R		4+45	RT.								70		
11R	3+50	4+65	RT.									2	
12R	5+05	6+68	RT.										150
	TOTALS			738	10,570	227	2	300	60	40	70	2	150

SEWERS

	STATIONS		SIDE	603	603	603	604	604	603	NOTE:	
	FROM	TO		60" R.C.P. RAD. PIPE L.F.	60" R.C.P. CL. III L.F.	18" R.C.P. CL. III L.F.	JUNCTION CHAMBER PER DET. EA.	STM M.H. EA.	6" U.S.P. OF P.V.C. L.F.	STA. 0+57, 604, TYPE A CBAS. 1 EA. 55	TOT. 603 12" R.C.P. 5 L.F.
1S	0+00	0+25	E.	88							
2S	0+25	0+55	E.		304		1				
3S	3+94	4+68	E.			274		2			
4S	0+25	1+50	RT.						125		
TOTALS				88	304	274	1	2	125		



MISC.		602	608	404	2+04
STATION	FROM TO	12" BLOCK MASONRY BULKHEAD C.Y.	TEMPORARY VALVE BULKHEAD 50 FT. SQ. FT.	TEMPORARY PAVT. REPAIR 2" C.V.P. SQ. YD.	PAVMT. REPAIR 10' 305 SQ. YD.
1M	0+94	1+07	24		
2M	6+48	4+30	16		
3M	0+35	3+82		3440	
4M	0+00	0+30		2480	
5M	3+80	4+13			6.0
TOTALS			4.0	5920	6.0

CITY OF MASSILLON, OHIO

LOWRY PRICE - RENEWAL AREA

STORM SEWER, CANAL STORM SEWER BY-PASS

TREMONT AVE. S.W., 2ND ST. TO ERIE ST.

Approved: _____ PREPARED BY: DEPT. OF PUBLIC SERVICE

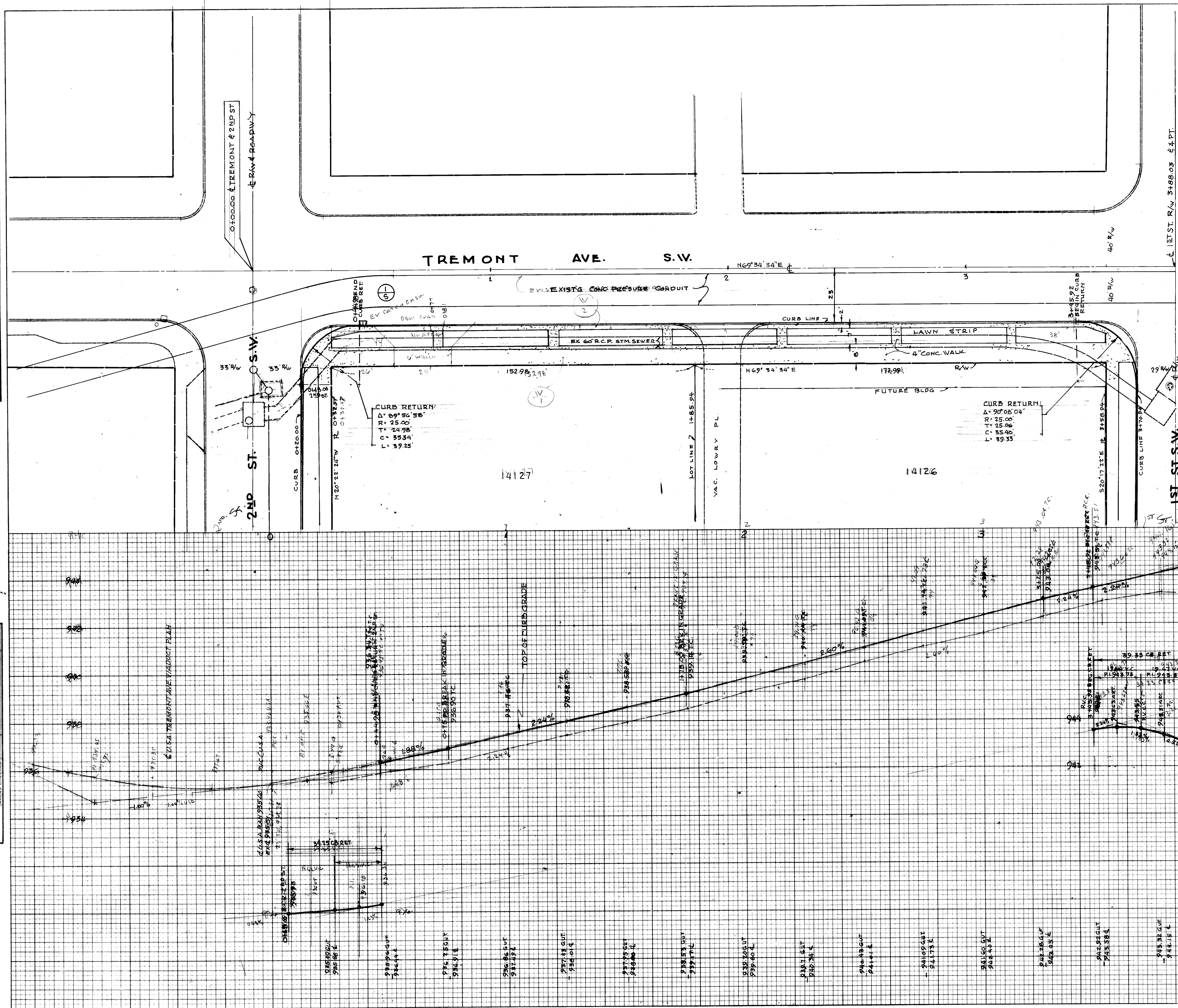
CITY ENGINEER: _____ ENGINEERING DIVISION

SCALE 1"=50' HOR 1"=5' VER. FEB. 1980

FILE NO. P-309 ACC. NO. 2940

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

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



SEWERS				
STATIONS		SIDE	604 C.BASIN OR MAIN ADJ TO GRADE EA.	
FROM	TO			
1-S				

REMOVALS				
STATIONS		SIDE	202 ASPH. & CONC. WALK RM. SQ. FT.	202 PAVEM'T REMOVD SQ. FT.
FROM	TO			
1 R				
2 R				

CITY OF MASSILLON, OHIO

LOWRY PRICE RENEWAL AREA

TREMONT AVE S.W. STREET IMPROVEMENTS

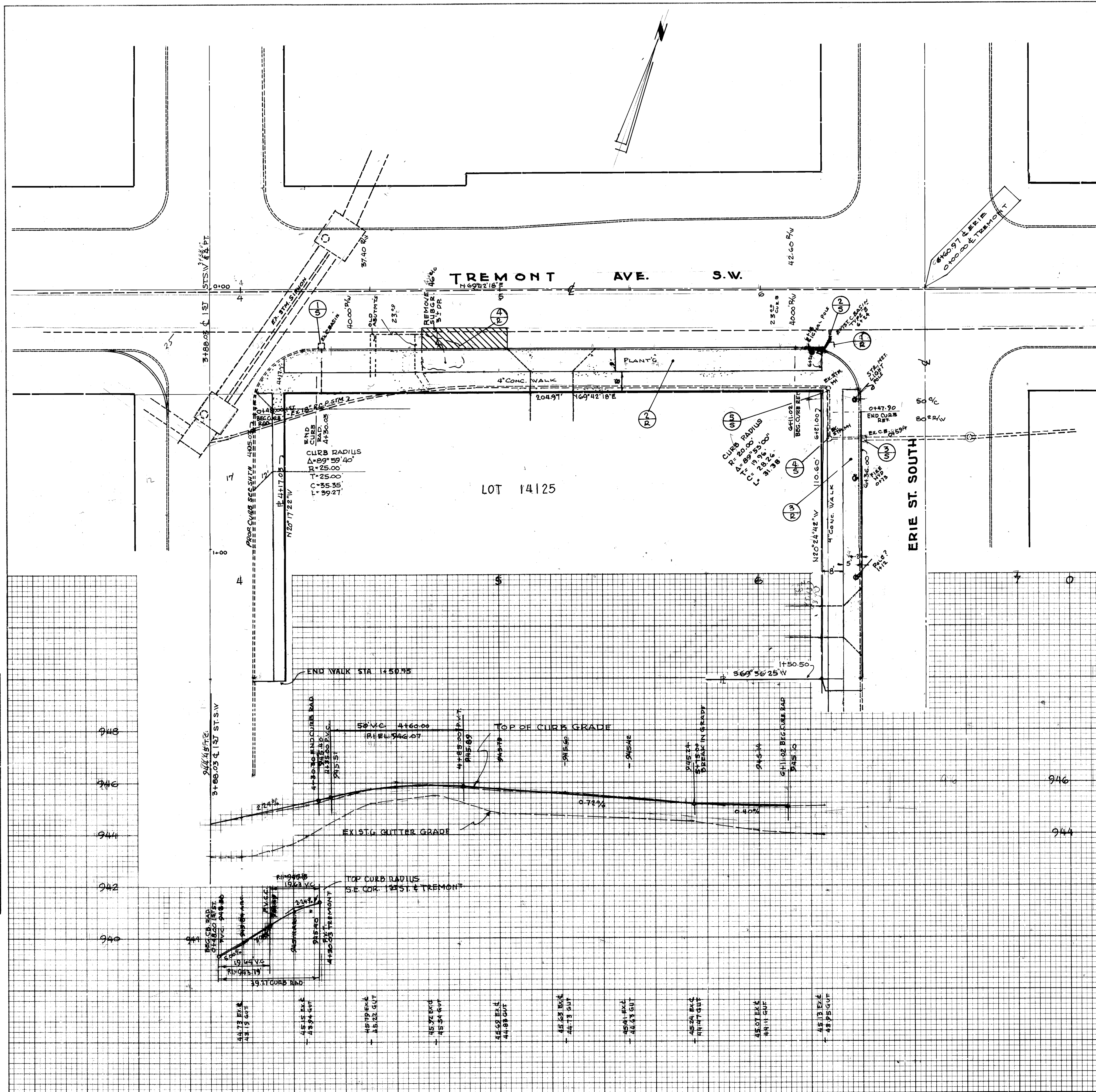
2ND ST. S.W. TO 1ST ST. S.W.

APPROVED: CITY ENGINEER PREPARED BY: DEPT. OF PUBLIC SERVICE ENGINEERING DIVISION

SCALE: 1"=20' HOR. 1"=2' VER. SEPT. 1980 FB 238-73

FILE NO. P-309 ACC. NO.

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



SEWERS						
	STATIONS		SIDE	604	604	603
	FROM	TO		CRAIG OR IN H.S. XOY TO TO GRAVE EA	E BASIN TYPE A EA	12 RCP SIMP. L.F.
1-S	4+31 TREN.		RT.	1		
2-S	6+22 - 6+27 TREN.		RT.	1	1	10
3-S	0+59.4 GRAVE		RT.	1		
4-S	0+60 GRAVE		RT.	1		
5-S	6+24 TREN.		RT.	1		

REMOVALS						
	STATIONS		SIDE	202 C.BASIN REMOVED EA.	202 ASPH.E CONC WALKRMP SQ.FT.	202 PAVEMT REMOVED SQ.FT.
	FROM	TO				
1-R	405	6+27 TREMON	RT	1		
2-R	405	6+36 TREMON	RT		1848	
3-R	0+40	1+55 ERIE	RT		1725	
4-R	405	6+40 TREMON	RT			560

