

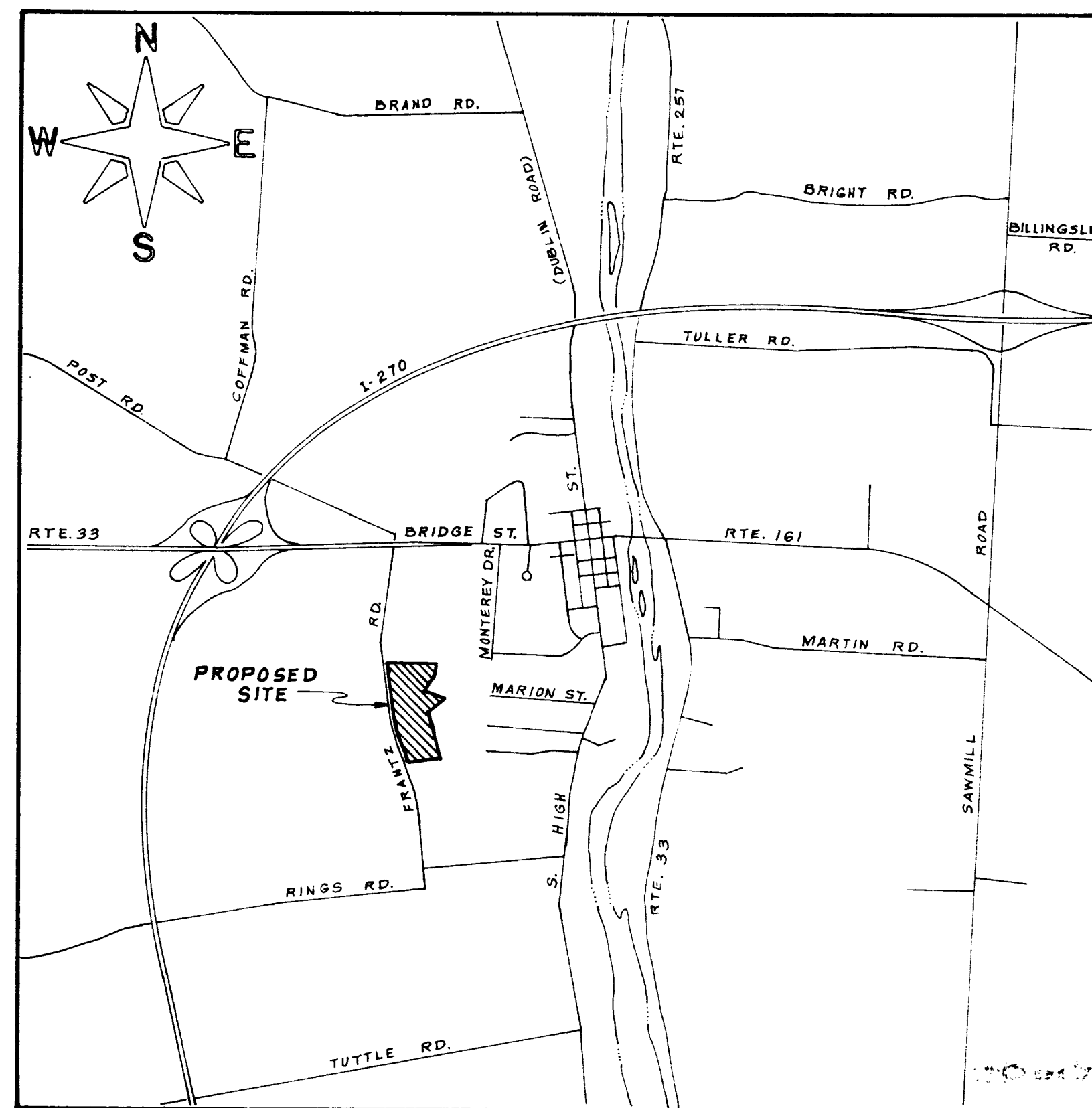
ESTIMATE OF QUANTITIES

ITEM	QUAN.	UNIT	DESCRIPTION
1.	5,820	C.Y.	STREET EXCAVATION INCLUDING EMBANKMENT
2.	273	C.Y.	1 1/2" AGGREGATE BASE O.D.O.T. ITEM 304 (2 COURSES)
3.	1,582	C.Y.	10 1/2" AGGREGATE BASE O.D.O.T. ITEM 304 (2 COURSES)
4.	2,200	GAL.	BITUMINOUS PRIME COAT (0.35 GAL/S.Y.) O.D.O.T. ITEM 408
5.	218	C.Y.	1 1/4" ASPHALT CONCRETE O.D.O.T. ITEM 402
6.	218	C.Y.	1 1/4" ASPHALT CONCRETE O.D.O.T. ITEM 404
7.	4,470	L.F.	STD. CURB & GUTTER
8.	4,470	L.F.	4" EXTRA-STRENGTH CLAY PIPE UNDERDRAIN
9.		S.F.	4" CONCRETE SIDEWALK
10.	140	L.F.	18" REINFORCED CONCRETE PIPE C-76, CL. III
11.	559	L.F.	15" REINFORCED CONCRETE PIPE C-76, CL. IV
12.	485	L.F.	12" REINFORCED CONCRETE PIPE C-76, CL. IV
13.	4	EA.	STANDARD CURB INLET, TYPE A
14.	7	EA.	STANDARD CURB INLET, TYPE B
15.	2	EA.	STANDARD MANHOLE, TYPE B
16.	10.0	C.Y.	DUMPED ROCK TYPE B
16.A	4	EA.	STANDARD END WALL
16.B	610	L.F.	TEMPORARY DRAINAGE DITCH
17.	2,600	L.F.	12" DUCTILE IRON WATERLINE CL. 4 OR CL. 54
18.	571	L.F.	8" DUCTILE IRON WATERLINE CL. 3 OR CL. 53
19.	737	L.F.	6" DUCTILE IRON WATERLINE CL. 3 OR CL. 53
20.	690	L.F.	3" DUCTILE IRON WATERLINE CL. 3 OR CL. 53
21.	3	EA.	12" GATE VALVE & BOX
22.	2	EA.	8" GATE VALVE & BOX
23.	2	EA.	6" GATE VALVE & BOX
24.	13	EA.	FIRE HYDRANT, TYPE B (MOD.)
25.	891	L.F.	1" TYPE K COPPER WATER SERVICE
26.	35	EA.	1" CORPORATION STOP
27.	35	EA.	1" CURB STOP & BOX

WATERFORD VILLAGE PHASE 8


VILLAGE OF DUBLIN, OHIO

STREET, STORM, & WATERLINE IMPROVEMENTS



LOCATION MAP
SCALE: 1" = 2,000'

PLANS PREPARED BY


WOLFE ENGINEERING CO.
 4010 Reed Rd., Columbus, Ohio 43220
 Phone 614/461-1211

Charles R. Wolfe
 REGISTERED ENGINEER NO. 35196 8-31-78 DATE

VILLAGE OF DUBLIN, OHIO

VILLAGE ENGINEER _____ DATE _____

VILLAGE ADMINISTRATOR _____ DATE _____

CHAIRMAN, PLANNING COMMISSION _____ DATE _____

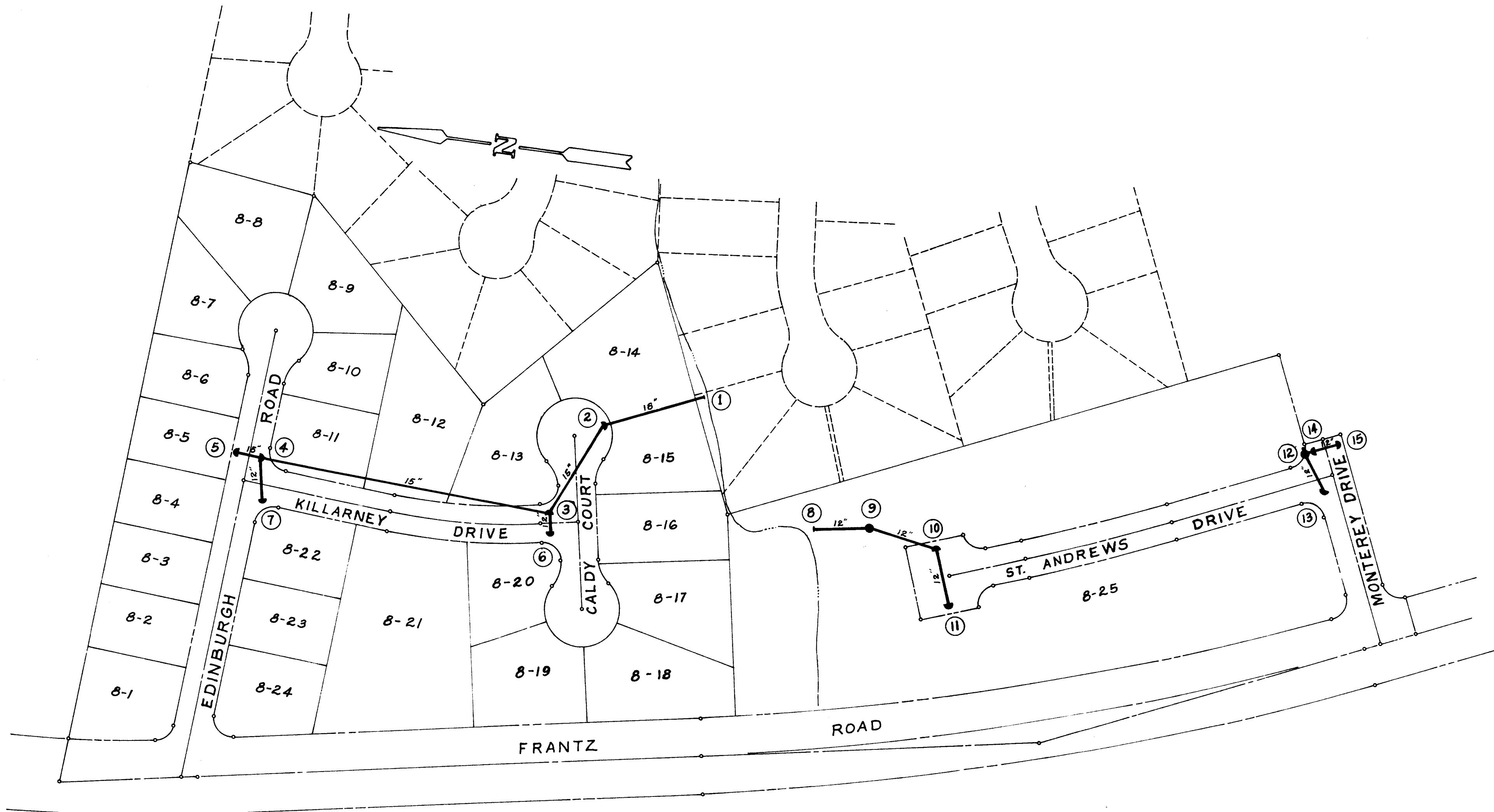
VILLAGE MAYOR _____ DATE _____

CITY OF COLUMBUS, OHIO

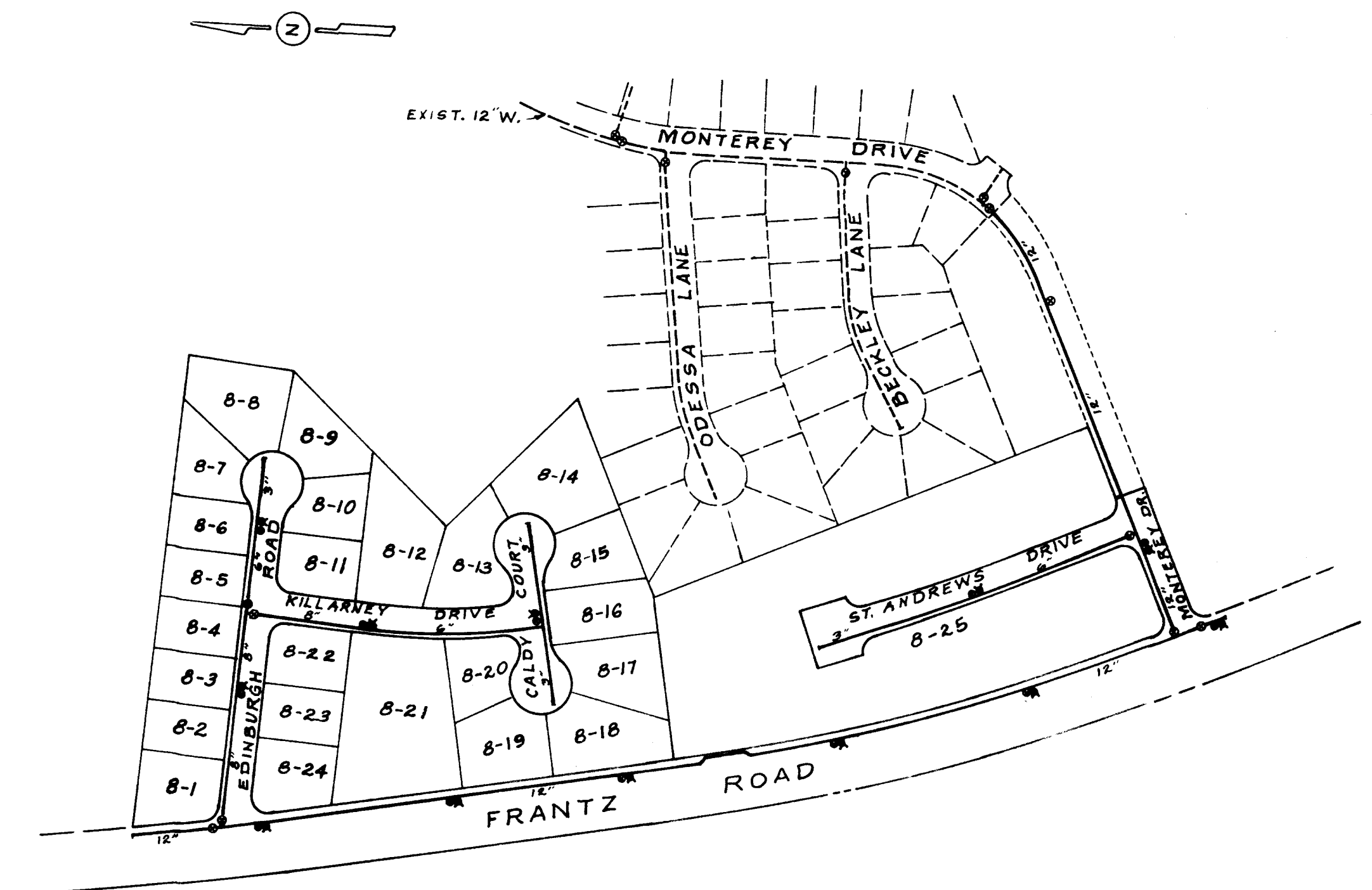
SUPERINTENDENT, DIVISION OF WATER _____ DATE _____

DIRECTOR OF PUBLIC SERVICE _____ DATE _____

APPROVAL ON THE PART OF THE CITY OF COLUMBUS IS GIVEN PURSUANT TO THE PROVISIONS OF THE WATER SERVICE AGREEMENT WITH THE VILLAGE OF DUBLIN, DATED JAN. 15, 1973.



**INDEX MAP
STORM SEWER IMPROVEMENTS**
SCALE: 1"=100'



**INDEX MAP
WATERLINE IMPROVEMENTS**
SCALE: 1"=200'

GENERAL NOTES

ALL CONSTRUCTION AND MATERIAL SHALL CONFORM TO APPLICABLE PROVISIONS OF THE DUBLIN VILLAGE STANDARD CONSTRUCTION REGULATIONS.

THE CONTRACTOR SHALL INVESTIGATE AND LOCATE ALL UTILITIES PRIOR TO ANY CONSTRUCTION.

THE PROPOSED WATERLINE AND SANITARY SEWER CONSTRUCTION IS TO BE COORDINATED IN STREET IMPROVEMENT AREAS.

WHEREVER THE STORM SEWER OR WATERLINE IS TO BE CONSTRUCTED WITHIN AN EMBANKMENT SECTION AND THE TOP OF PIPE IS LESS THAN 2.5 FEET BELOW THE EXISTING SURFACE, THE EMBANKMENT SHALL BE CONSTRUCTED (MINIMUM COVER 2.5 FEET) PRIOR TO PIPELINE CONSTRUCTION.

AT ALL POINTS OF CROSSING WATERLINES OR SEWERS, THE BACKFILL SHALL BE OF GRANULAR MATERIAL BETWEEN THE DEEPER AND SHALLOWER PIPE.

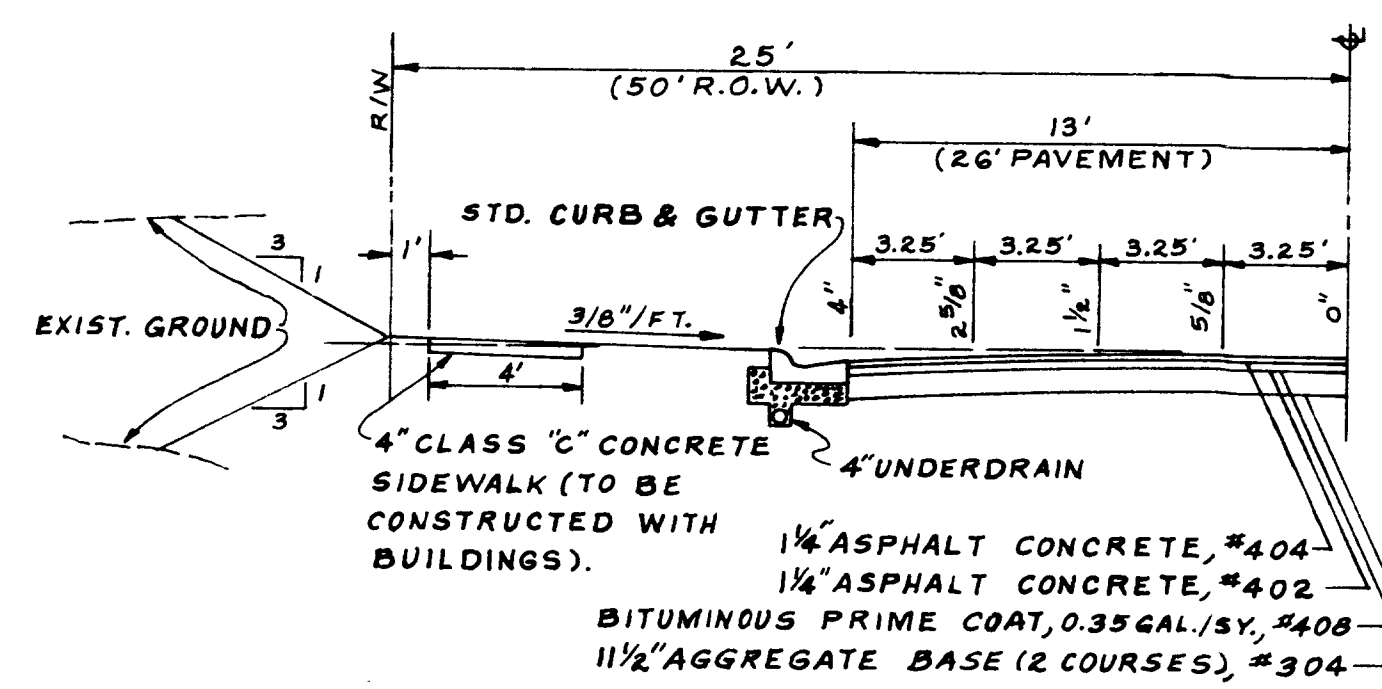
IN ALL CONFLICTS IN GRADE BETWEEN WATERLINES AND STORM SEWERS, THE WATERLINES SHALL BE LOWERED DURING CONSTRUCTION.

BLASTING OPERATIONS FOR ROCK EXCAVATION SHALL CONFORM TO ITEM 903 OF THE CITY OF COLUMBUS SPECIFICATIONS DATED 1978.

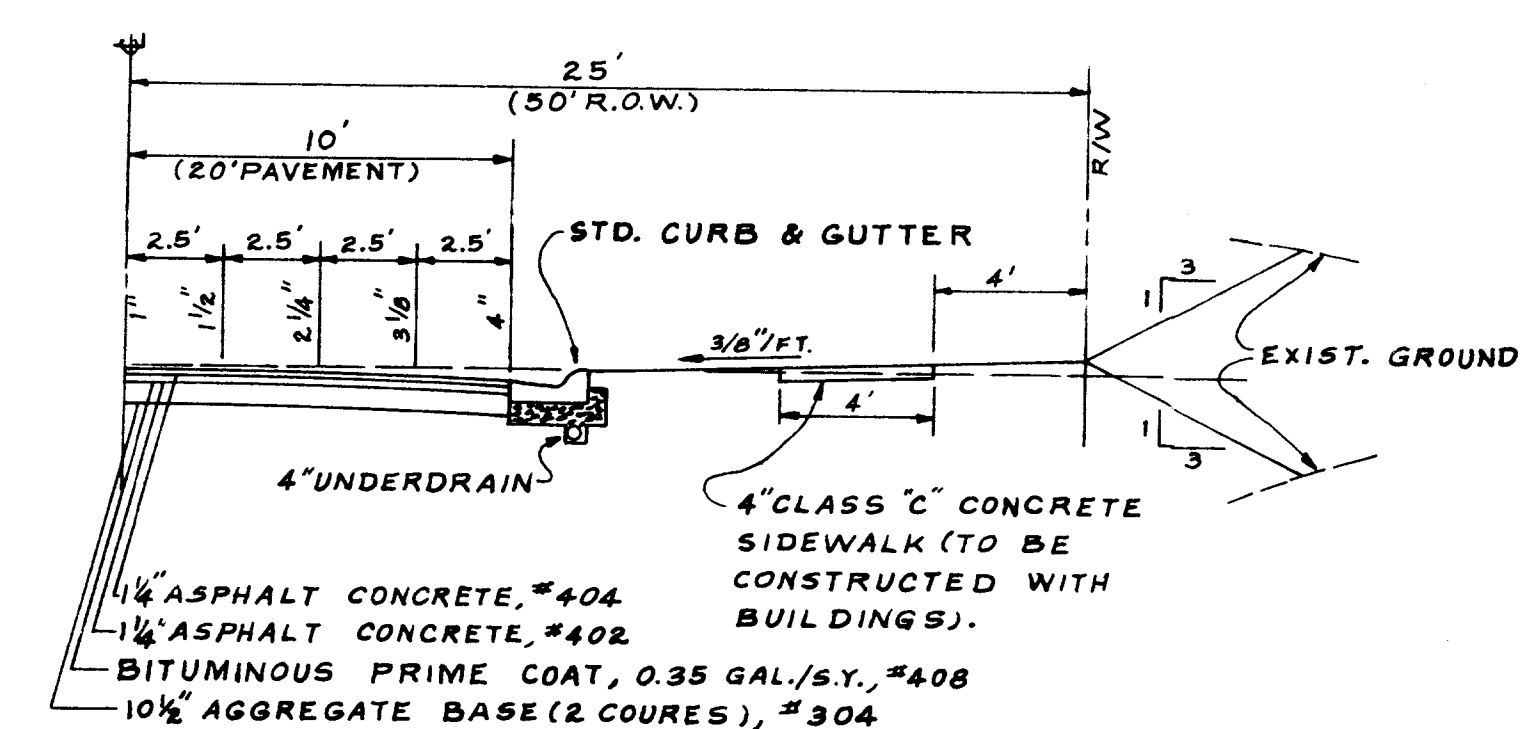
THE STANDARD VILLAGE OF DUBLIN CONSTRUCTION REGULATIONS DATED MAY 3, 1976 AND ANY SUPPLEMENTS THERETO SHALL GOVERN ALL CONSTRUCTION ITEMS THAT ARE A PART OF THIS PLAN. IT IS THE INTENT OF THESE REGULATIONS TO PROVIDE FOR CONSTRUCTION METHODS AND MATERIALS EQUAL TO OR EXCEEDING THE REQUIREMENTS OF THE 1978 CONSTRUCTION AND MATERIALS SPECIFICATIONS OF THE CITY OF COLUMBUS, OHIO.

BENCH MARK

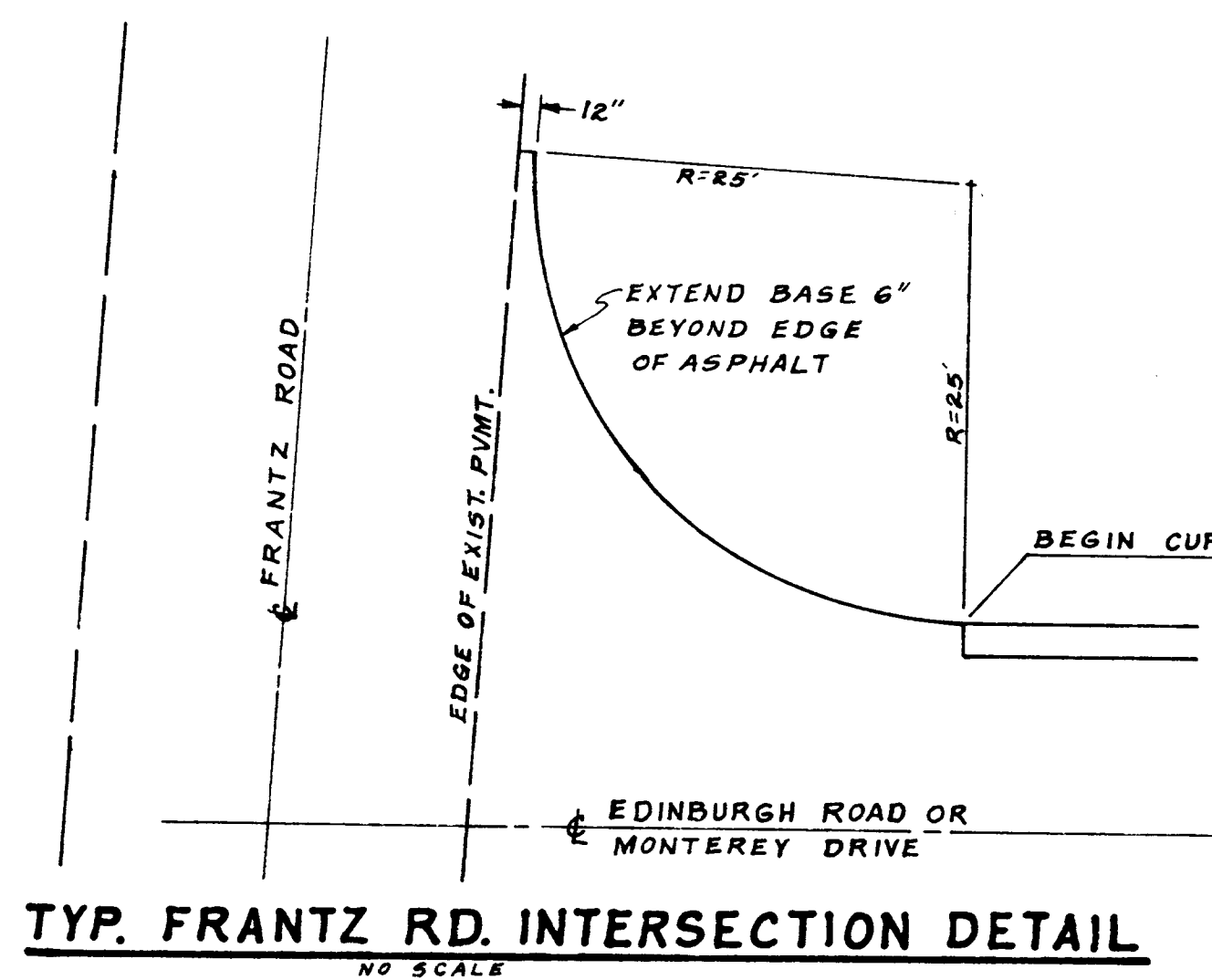
COUNTY SURVEY PLATE, S.E. HEADWALL
BRIDGE ON FRANTZ RD. AT COSGRAY
CREEK - 865.47



**TYPICAL HALF-SECTION
30' BACK TO BACK CURB
MONTEREY DRIVE**
NO SCALE



**TYPICAL HALF-SECTION
24' BACK TO BACK CURB
EDINBURGH ROAD
KILLARNEY DRIVE
CALDY COURT
ST. ANDREWS DRIVE**
NO SCALE

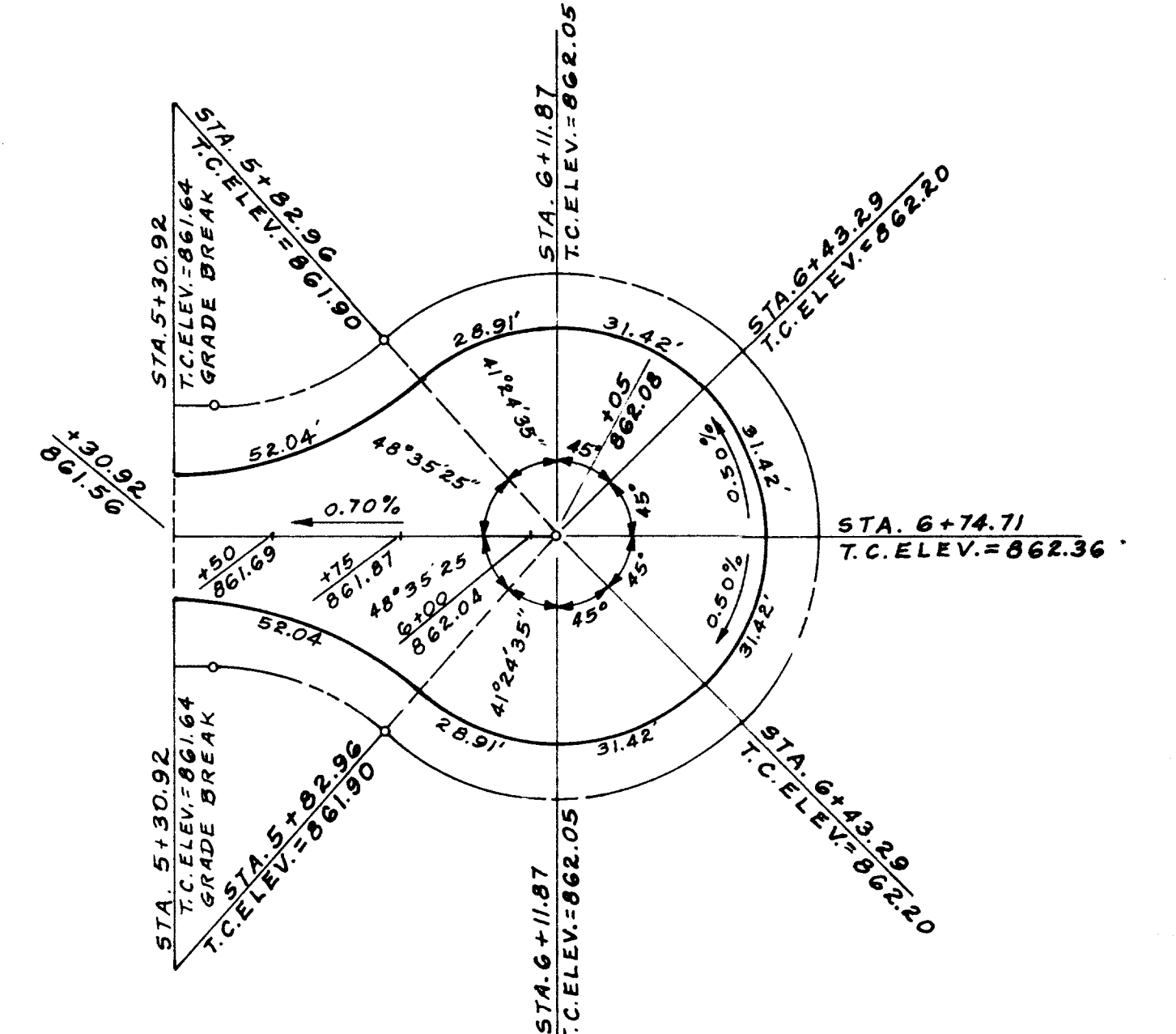
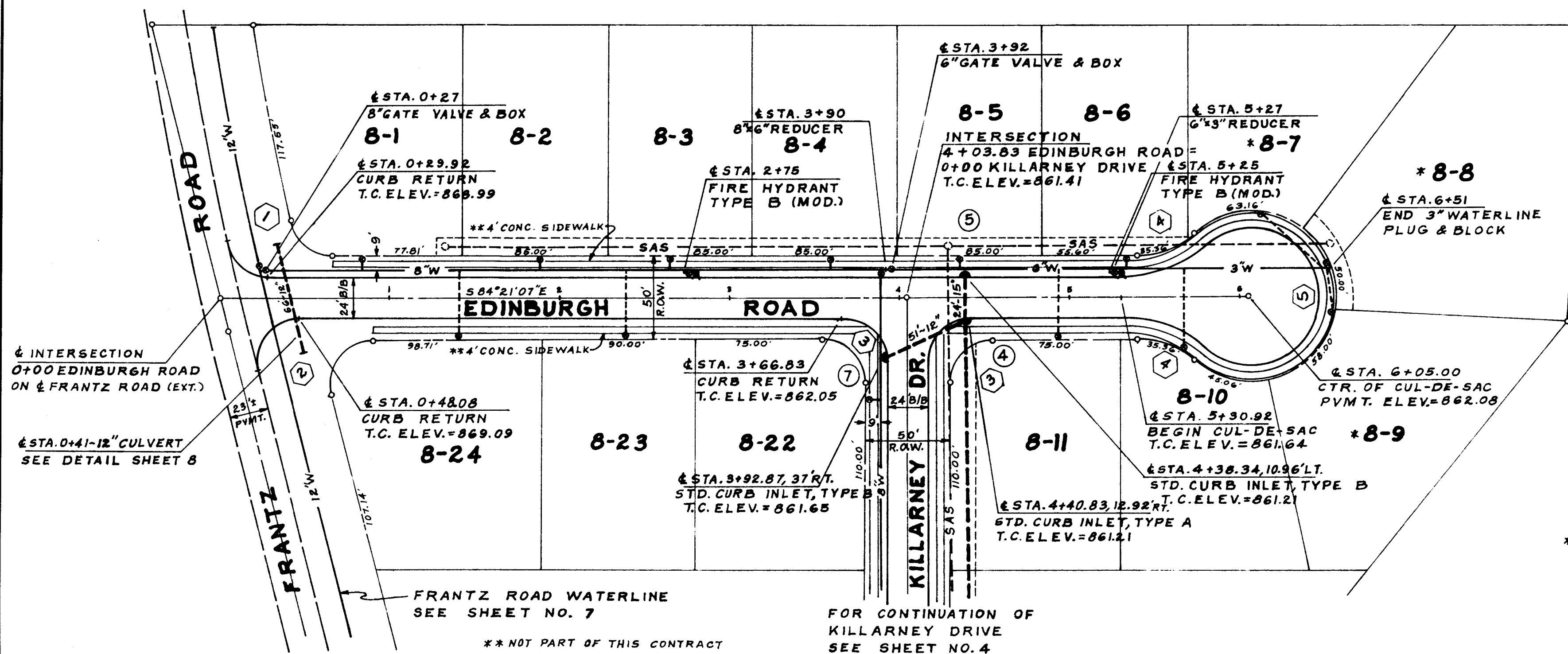


TYP. FRANTZ RD. INTERSECTION DETAIL
NO SCALE

DATE	REVISION	BY
WATERFORD VILLAGE PHASE 8 DUBLIN, OHIO		
INDEX MAPS OF IMPROVEMENTS		
SCALE HORIZ: 1"=50' VERT: 1"=8'	DATE AUG. 31, 1978	DRAWN BY CRW
		DWG. NO. 2 OF 8

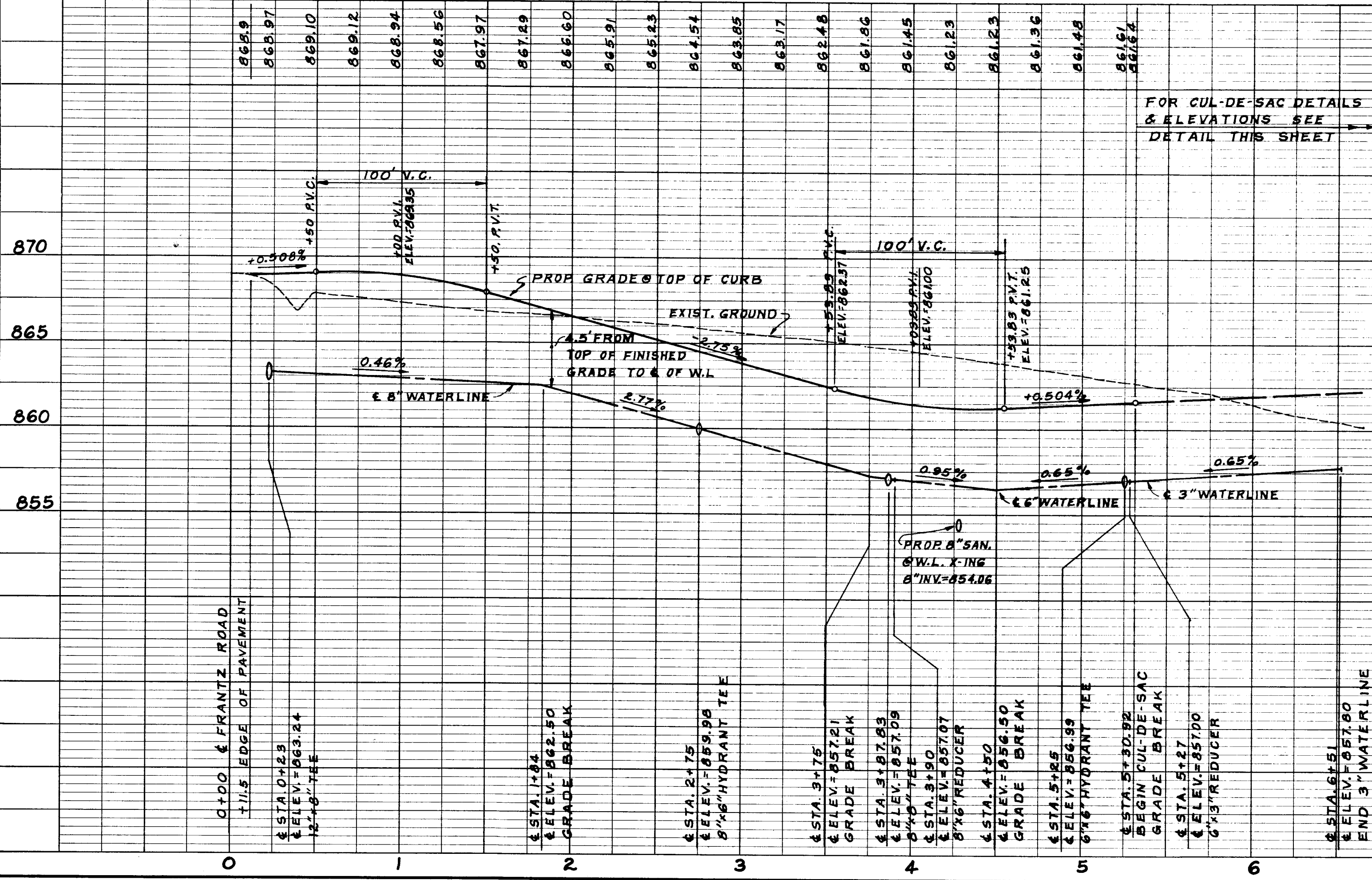
CURVE DATA							
CURVE NO.	Δ	L	T	R	CH.	CH. BEARING	LOCATION
1	77°14'05"	33.70'	39.94'	25.00'	31.21'	N45°44'04"W	EDGE P.V.M.T.
2	104°16'35"	45.50'	32.16'	25.00'	39.47'	N43°30'36"E	EDGE P.V.M.T.
3	90°	39.27'	25.00'	25.00'	35.36'		BACK OF CURB
4	41°24'35"	52.04'	27.21'	72.00'	50.91'		" " "
5	262°49'10"	183.48'	45.36'	40.00'	60.00'		" " "

PLAN	DATE	BY
	REVISION	
	NOTE BOOK	
	No.	



CUL-DE-SAC DETAIL
SCALE: 1"=30'

PROFILE	DATE	BY
	REVISION	
	NOTE BOOK	
	No.	



FOR CUL-DE-SAC DETAILS & ELEVATIONS SEE DETAIL THIS SHEET

DATE	REVISION	BY
WATERFORD VILLAGE PHASE 8 DUBLIN, OHIO		
STREET, STORM SEWER & WATERLINE IMPROVEMENTS		
SCALE: HORIZ: 1"=50' VERT: 1"=5'	DATE AUG. 31, 1978	DRAWN BY CRW
		DWG. NO. 3 OF 8

PLAN
 SURVEYED BY DATE
 PLOTTED BY DATE
 NOTE BOOK GRADE CHECKED ALIGNMENT CHECKED
 NO. OF W.L. CHECKED

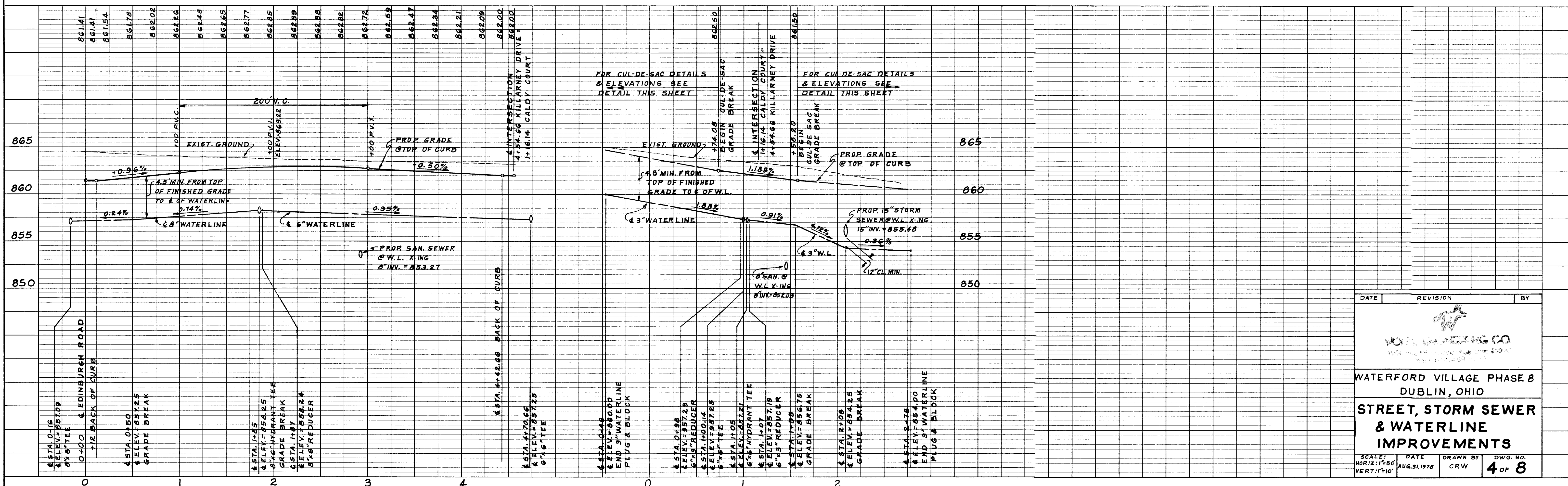
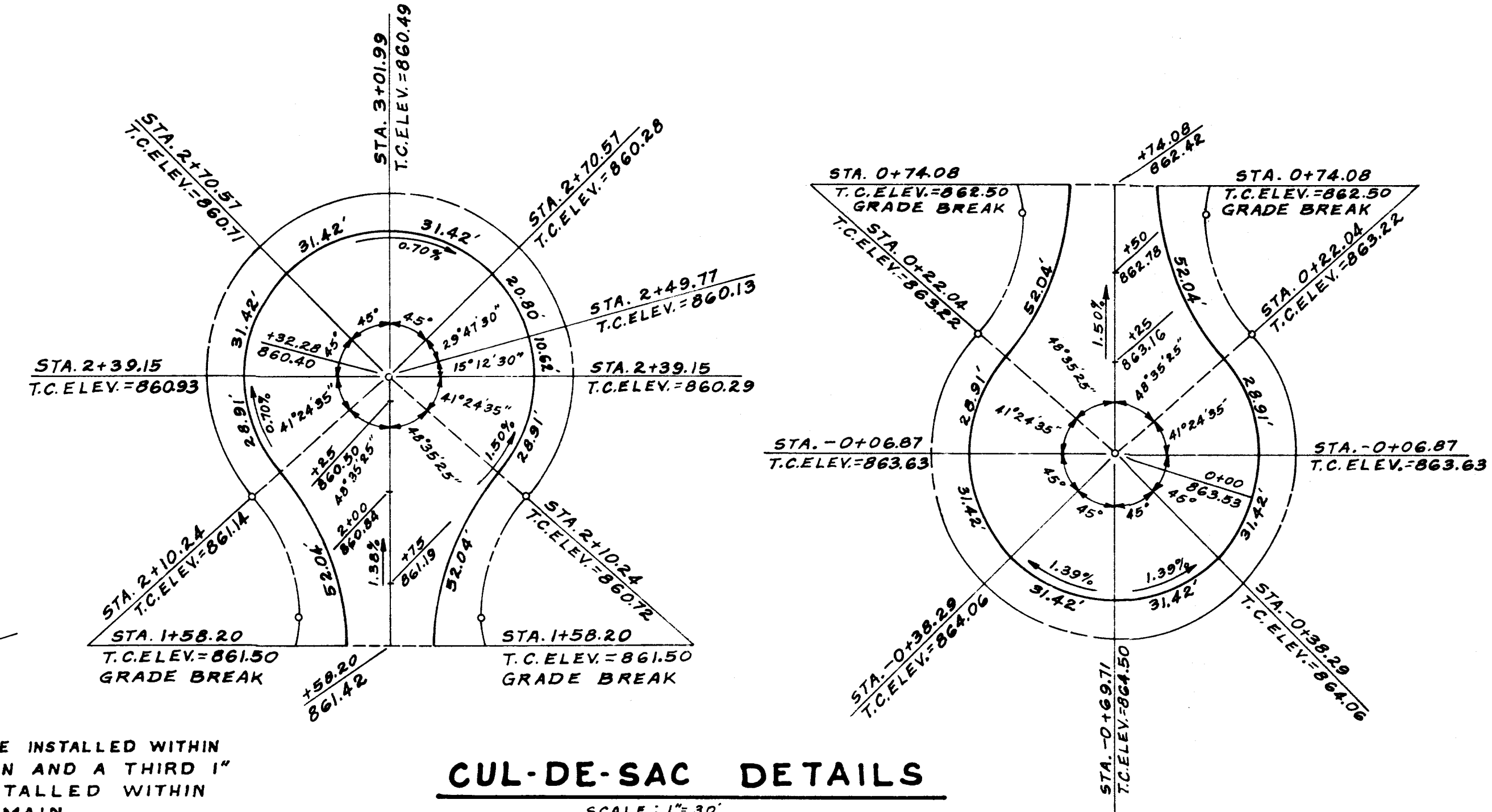
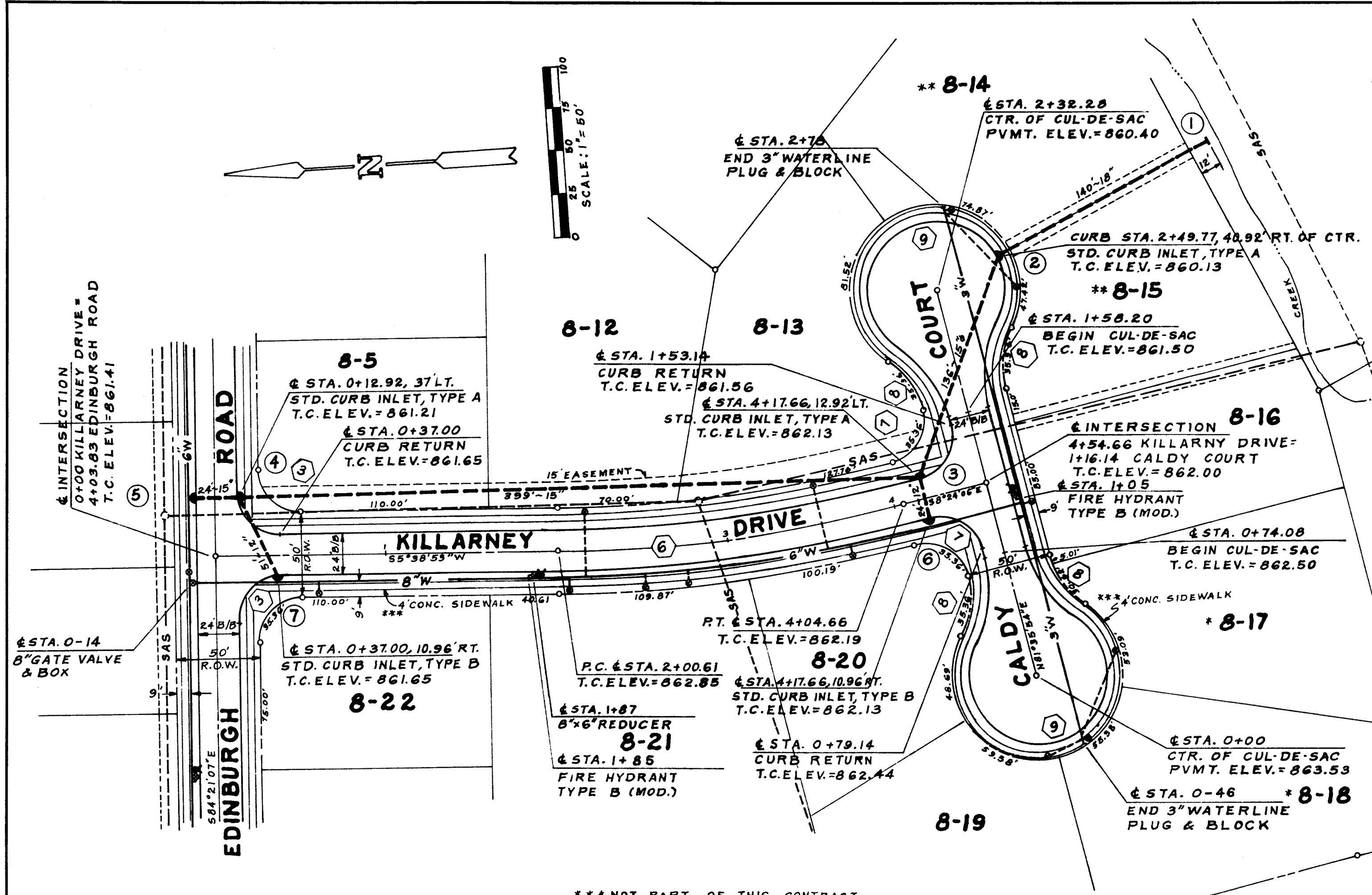
PROFILE
 SURVEYED BY DATE
 PLOTTED BY DATE
 NOTE BOOK GRADE CHECKED GRADE CHECKED
 NO. OF W.L. CHECKED

CURVE DATA							
CURVE NO.	Δ	L	T	R	CH.	CH. BEARING	LOCATION
3	90°	39.27'	25.00'	25.00'	35.36'		BACK OF CURB
6	14°02'59"	204.05'	102.54'	832.12'	203.54'	S 1°22'36"E	Δ
7	90°	39.27'	25.00'	25.00'	35.36'		BACK OF CURB
8	41°24'35"	52.04'	27.21'	72.00'	50.91'		" " "
9	262°49'10"	183.48'	45.36'	40.00'	60.00'		" " "

** TWO 1" SERVICES SHALL BE INSTALLED WITHIN ONE FOOT OF END OF MAIN.

** TWO 1" SERVICES SHALL BE INSTALLED WITHIN ONE FOOT OF END OF MAIN AND A THIRD 1" SERVICE SHALL BE INSTALLED WITHIN TWO FEET OF END OF MAIN.

*** NOT PART OF THIS CONTRACT



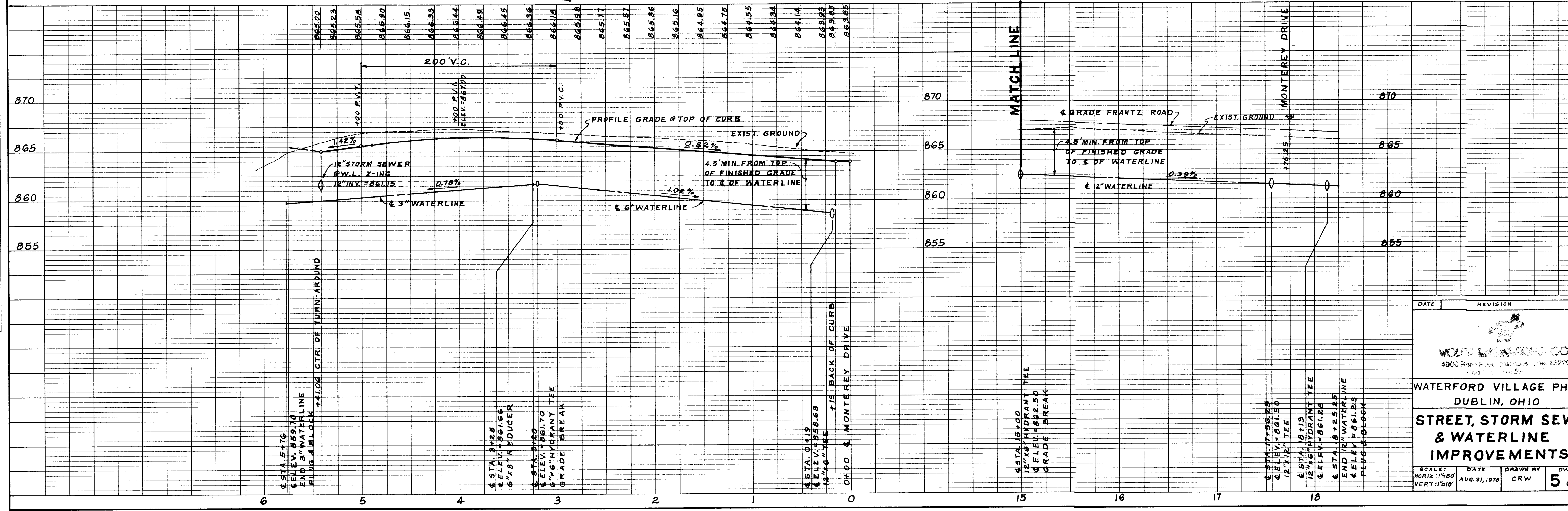
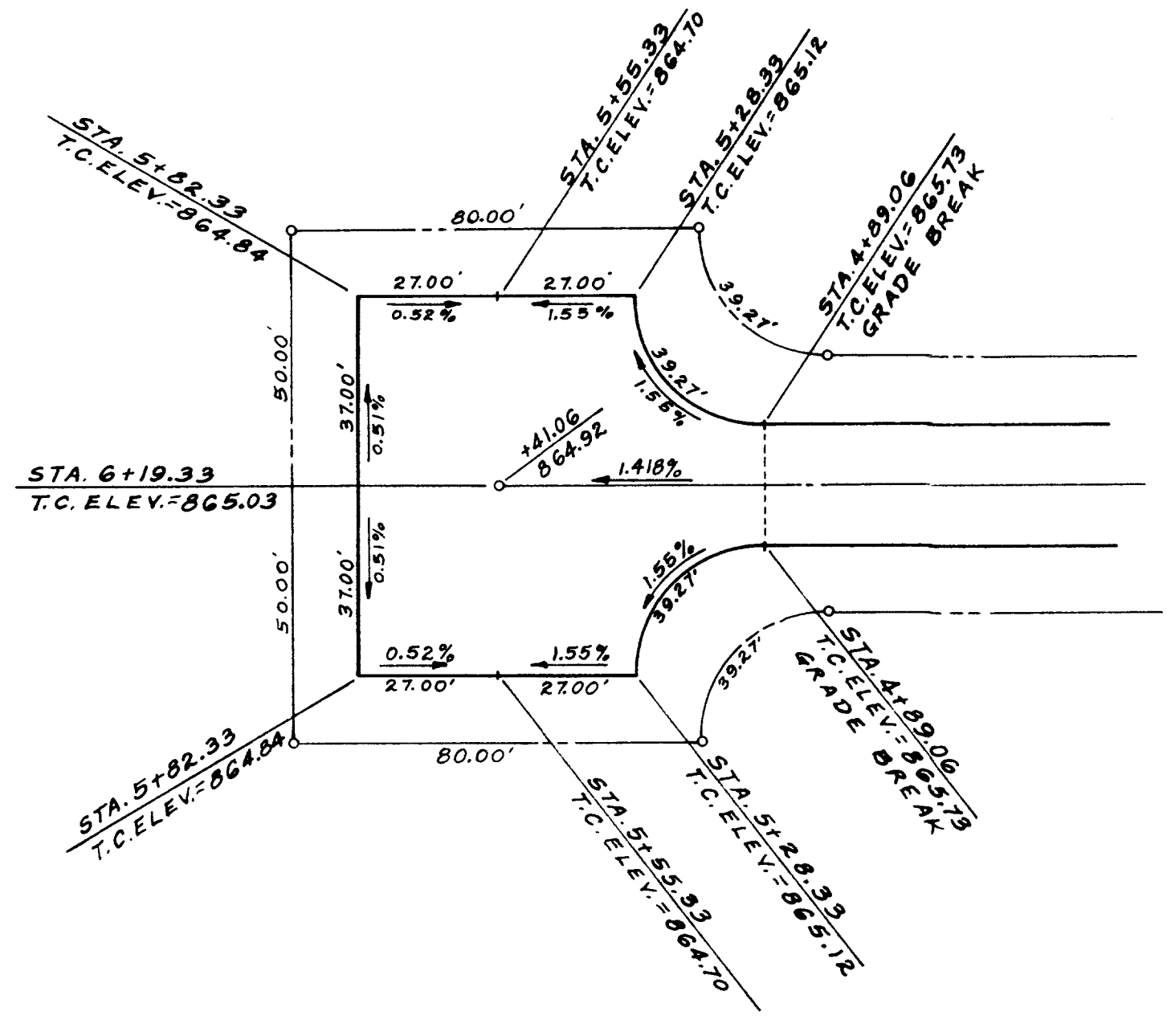
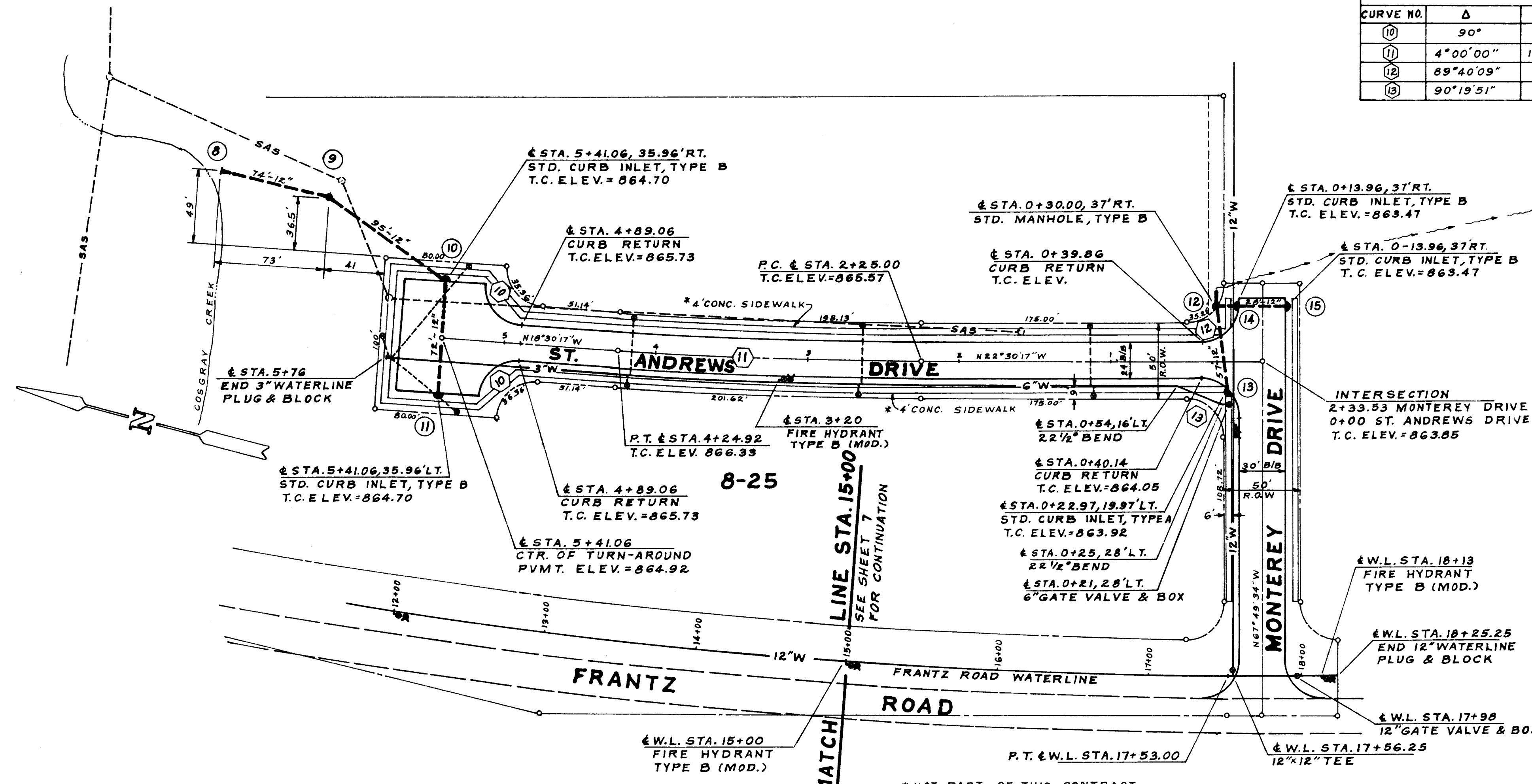
DATE REVISION BY

**WATERFORD VILLAGE PHASE 8
 DUBLIN, OHIO**

**STREET, STORM SEWER
 & WATERLINE
 IMPROVEMENTS**

SCALE: HORIZ: 1"=50' VERT: 1"=10' DATE: AUG. 31, 1978 DRAWN BY: CRW DWG. NO.: 4 OF 8

CURVE DATA							
CURVE NO.	Δ	L	T	R	CH.	CH. BEARING	LOCATION
10	90°	39.27'	25.00'	25'	35.36'		BACK OF CURB
11	4°00'00"	199.92'	100.00'	2,863.58'	199.88'	N20°30'17"W	±
12	89°40'09"	39.13'	24.86'	25'	35.25'		BACK OF CURB
13	90°19'51"	39.41'	25.14'	25'	35.46'		BACK OF CURB



PLAN
DATE: _____
BY: _____
CHECKED: _____
NO. _____

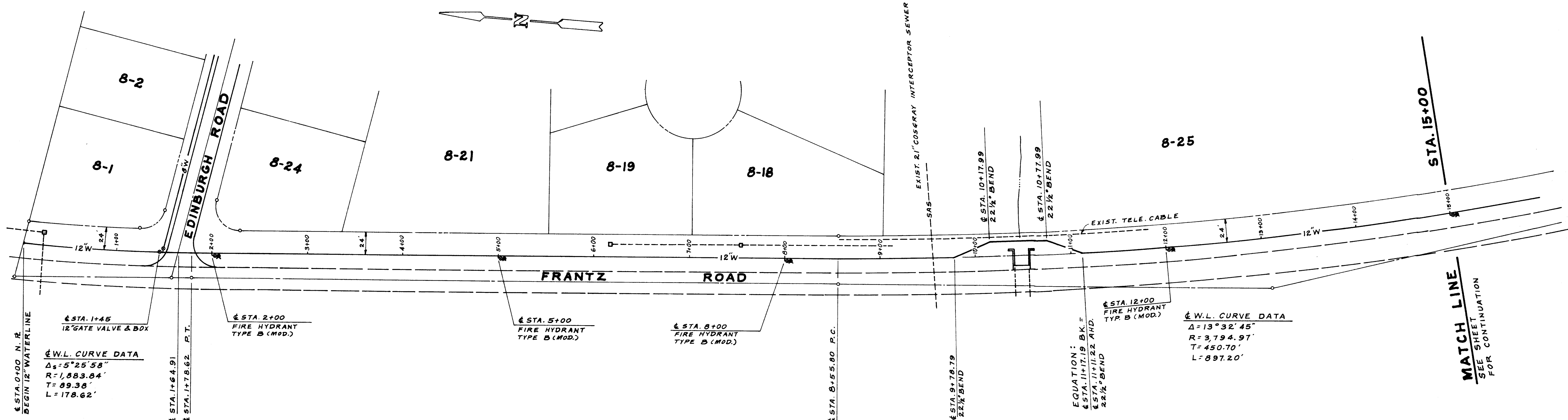
PROFILE
DATE: _____
BY: _____
CHECKED: _____
NO. _____

DATE	REVISION	BY

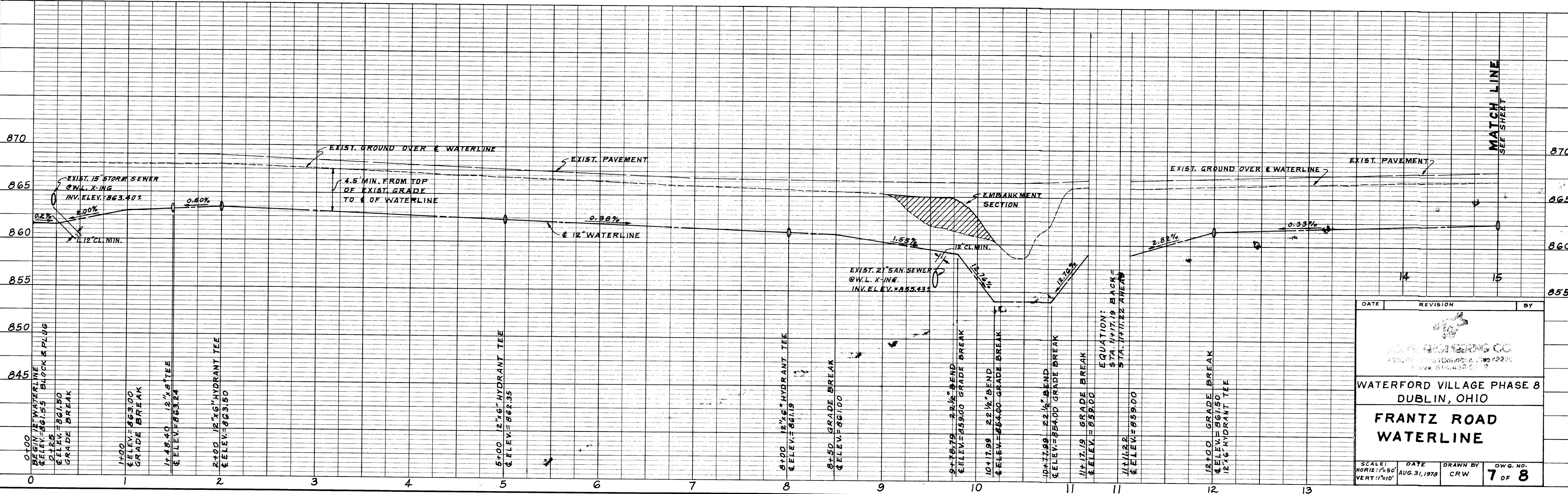
WATERFORD VILLAGE PHASE 8
DUBLIN, OHIO
STREET, STORM SEWER & WATERLINE IMPROVEMENTS

SCALE: HORIZ: 1"=50' VERT: 1"=10'
DATE: AUG. 31, 1978
DRAWN BY: CRW
DWG. NO.: 5 OF 8

PLAN
 SURVEYED BY: _____ DATE: _____
 CHECKED BY: _____
 NOTE BOOK NO. _____
 RT. OF WAY CHECKED BY: _____



PROFILE
 SURVEYED BY: _____ DATE: _____
 CHECKED BY: _____
 NOTE BOOK NO. _____
 RT. OF WAY CHECKED BY: _____

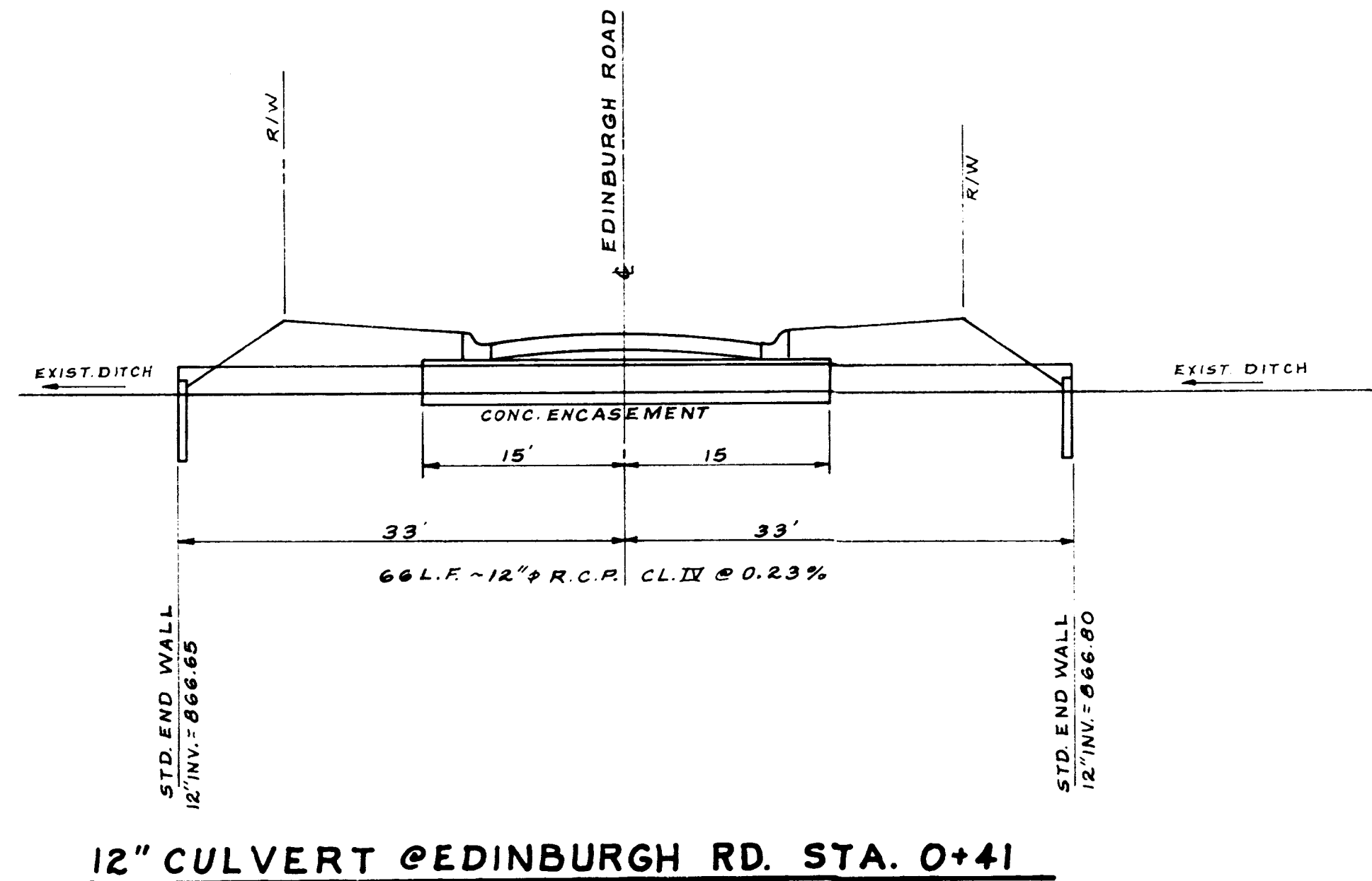
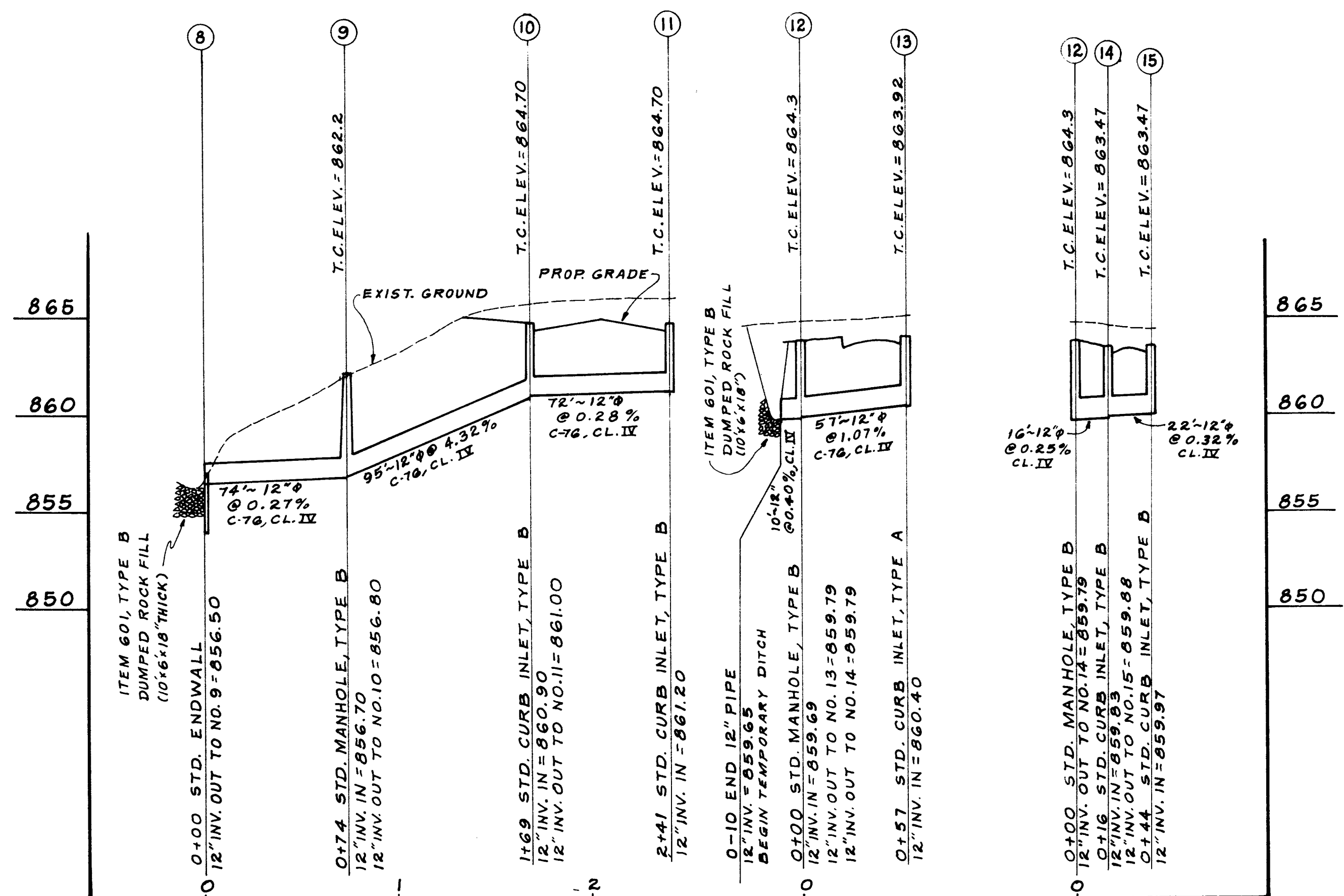
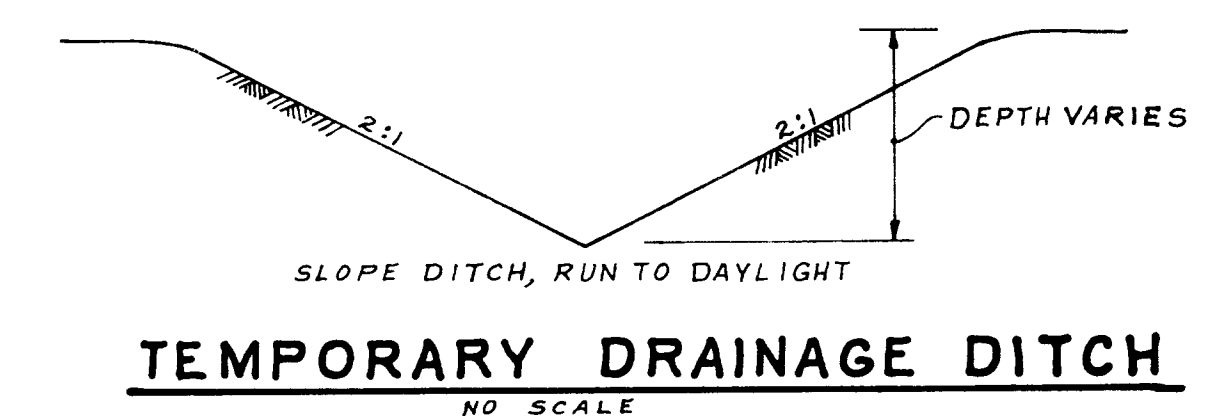
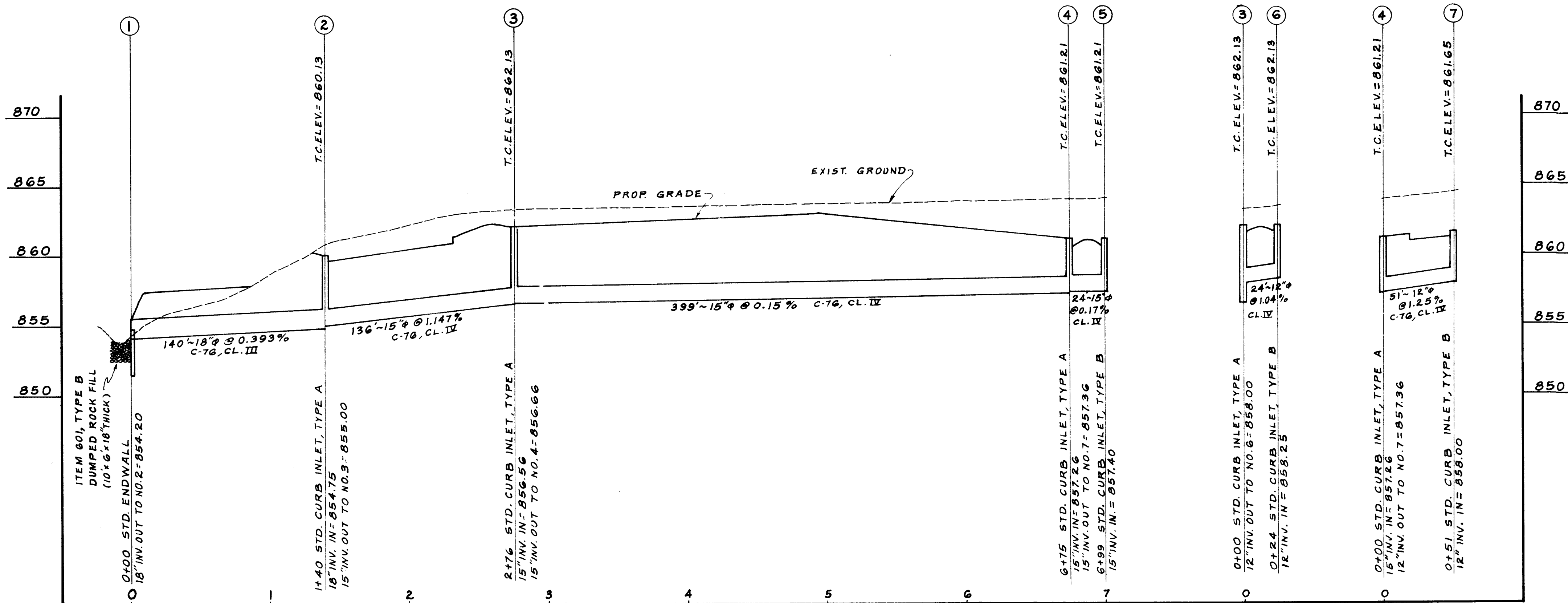


DATE	REVISION	BY

WATERFORD VILLAGE PHASE 8
 DUBLIN, OHIO
**FRANTZ ROAD
 WATERLINE**

SCALE: HORIZ. 1" = 50'
 VERT. 1" = 10'

DATE: AUG. 31, 1978
 DRAWN BY: CRW
 DWG. NO.: 7 OF 8



DATE	REVISION	BY
WATERFORD VILLAGE PHASE B DUBLIN, OHIO		
STORM SEWER PROFILES		
SCALE HOR. 1" = 50' VERT. 1" = 5'	DATE AUG. 31, 1978	DRAWN BY CRW
		DWG. NO. 8 OF 8