

Curve Data	
Q Curve No. 5	
$\Delta = 4^{\circ}17'30.4''$	
$D = 1^{\circ}00'00.0''$	
$R = 5729.58'$	
$L = 429.178'$	
$T = 214.689'$	

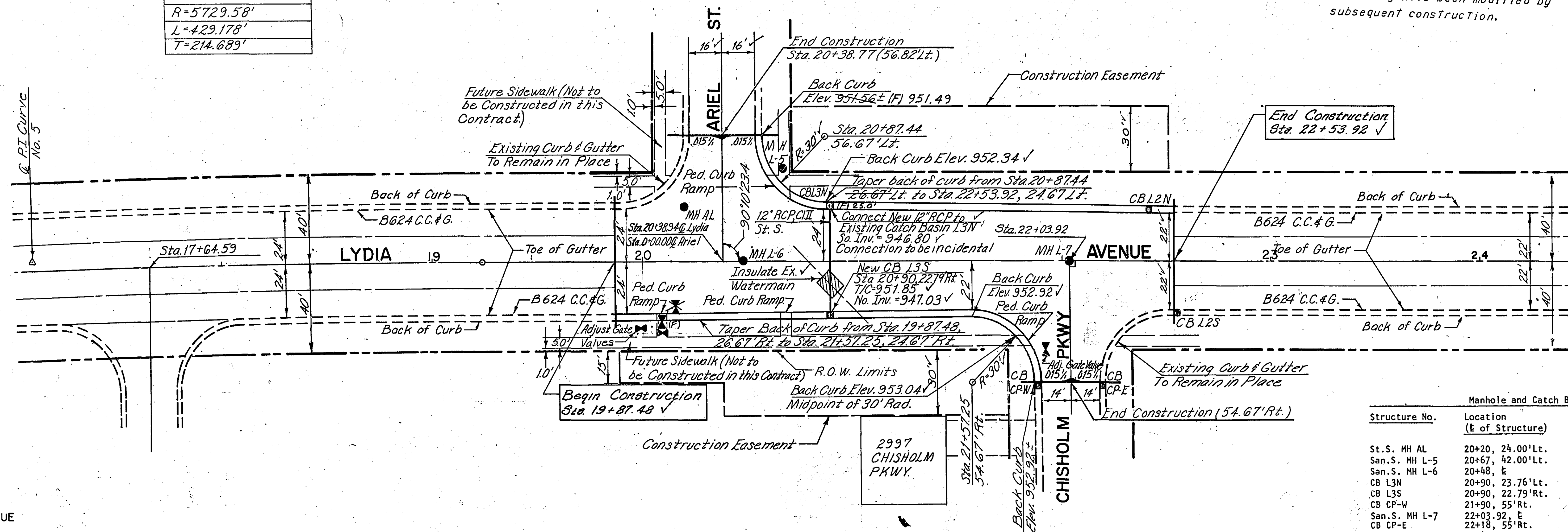
Note: Topography shown is based on surveys performed in 1976-77. Back of curb areas may have been modified by subsequent construction.

Scale
30'

TEMPORARY BENCH MARKS

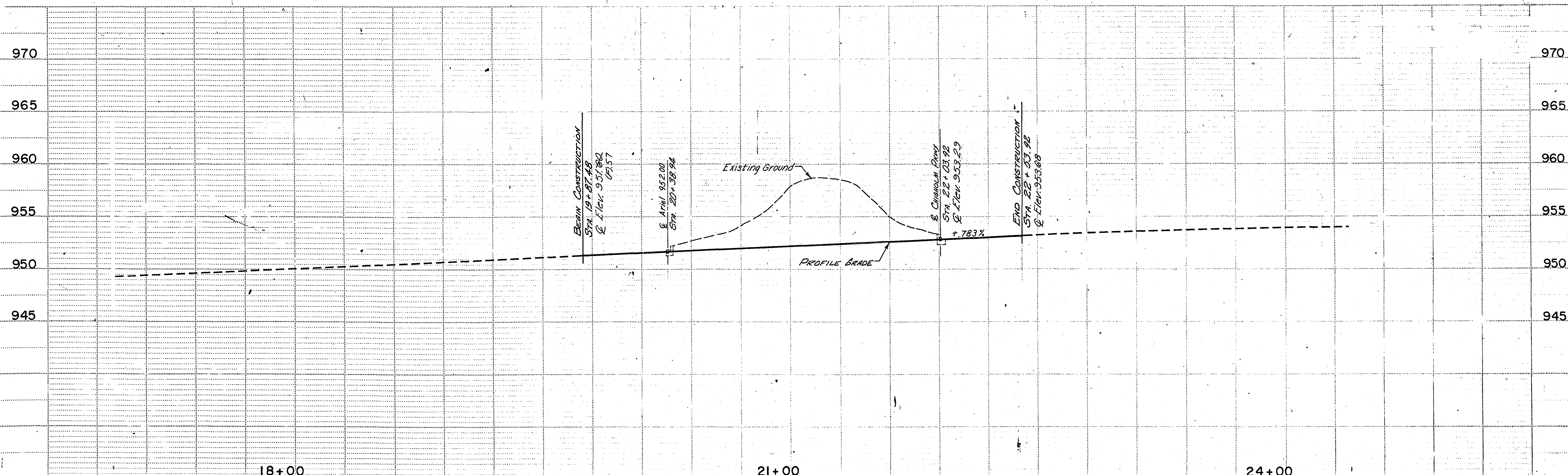
Top Hydrant
E. SIDE ARIEL ST.,
150' No. OF LYDIA AVENUE
ELEVATION 953.93

TOP HYDRANT
SW. CORNER LYDIA AVENUE
AND ARIEL ST.
ELEVATION 955.06



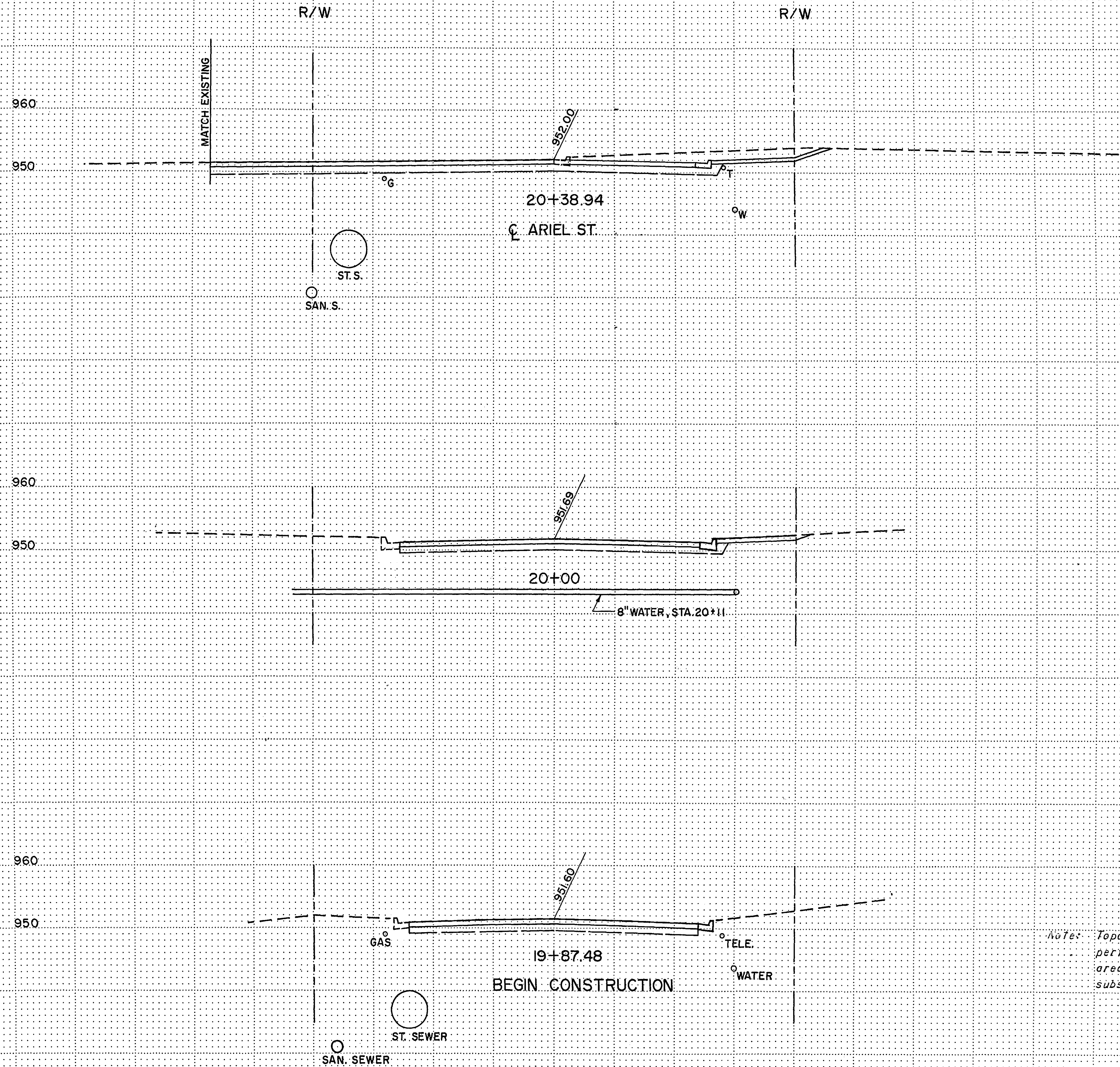
Manhole and Catch Basin Adjustments				
Structure No.	Location (E of Structure)	Top Casting Elev.		Remarks
		Existing	Proposed	
St.S. MH AL	20+20, 24.00' Lt.	951.50	951.41	Adjust ✓
San.S. MH L-5	20+67, 42.00' Lt.	951.84	952.06	Adjust ✓
San.S. MH L-6	20+48, E	952.07	952.07	Leave as is
CB L3N	20+90, 23.76' Lt.	952.22	951.83	See note below (F) Adjust
CB L3S	20+90, 22.79' Rt.		951.85	New structure
CB CP-W	21+90, 55' Rt.			Leave as is
San.S. MH L-7	22+03, 92' E	952.92	953.29	Adjust ✓
CB CP-E	22+18, 55' Rt.			Leave as is
CB L2N	22+42, 22' Lt.	953.15	953.06	Adjust (F) Leave as is
CB L2S	22+55, 22' Lt.	953.15	953.15	Leave as is

Note: At CB L3N, remove and salvage in-place MH casting; turn cone; furnish and install CB casting.



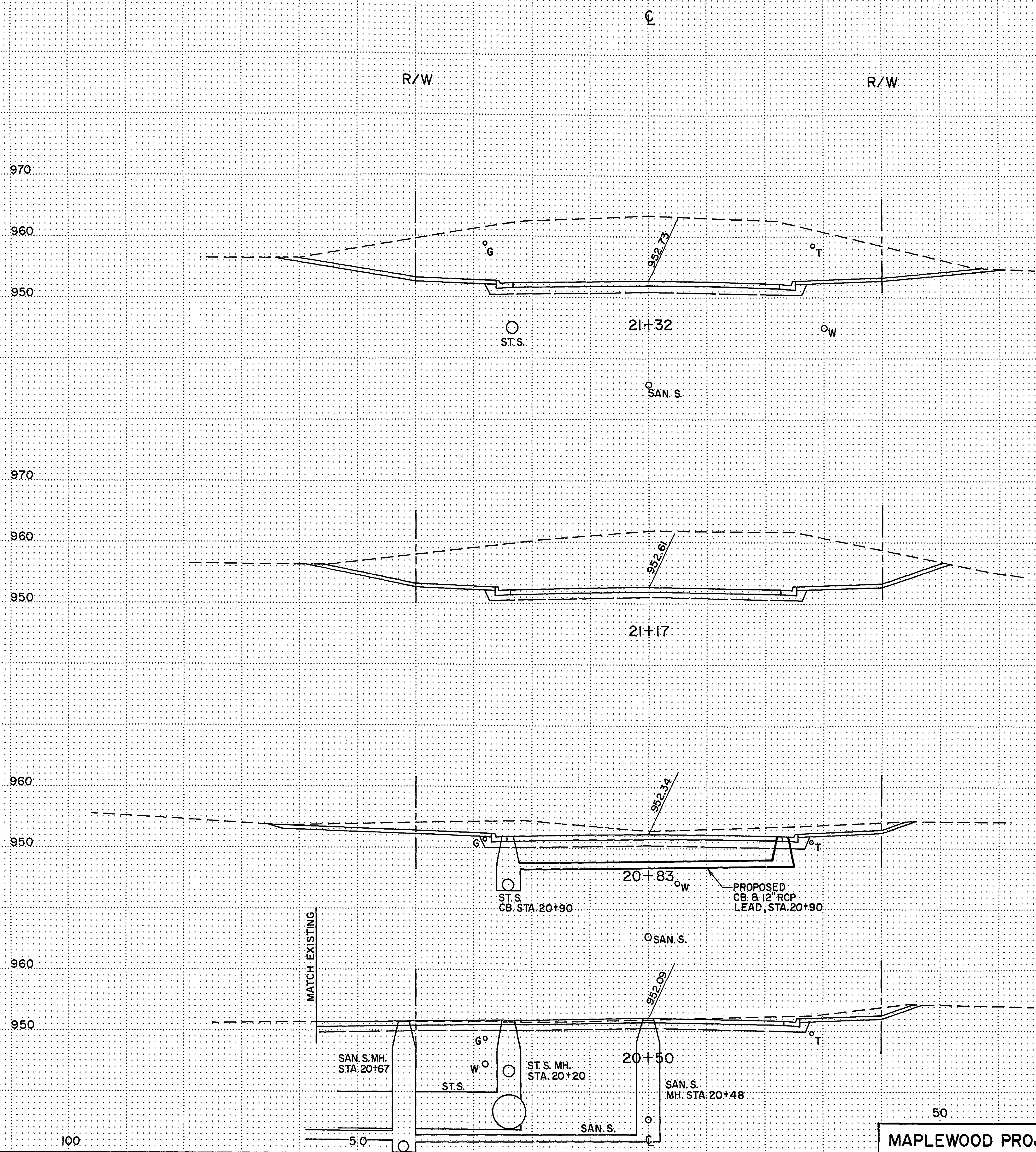
REVISIONS			APPROVED	DRAWN BY R.E.O.	CHECKED BY P.W.B.	SACK-CHK'D BY	APPROVED BY J.O.M.	HNTB HOWARD NEEDLES TAMMEN & BERGENDOFF	CITY OF MAPLEWOOD MINNESOTA LYDIA AVENUE ENGINEERING DEPARTMENT	CITY PROJ. NO. 77-14 M.S.A.S. PROJ. NO. 138-116-07	PLANNED CONSTRUCTION AND ROADWAY PROFILE SHEET 6 OF 9 SHEETS
DATE	BY	DESCRIPTION									

27-110 4134



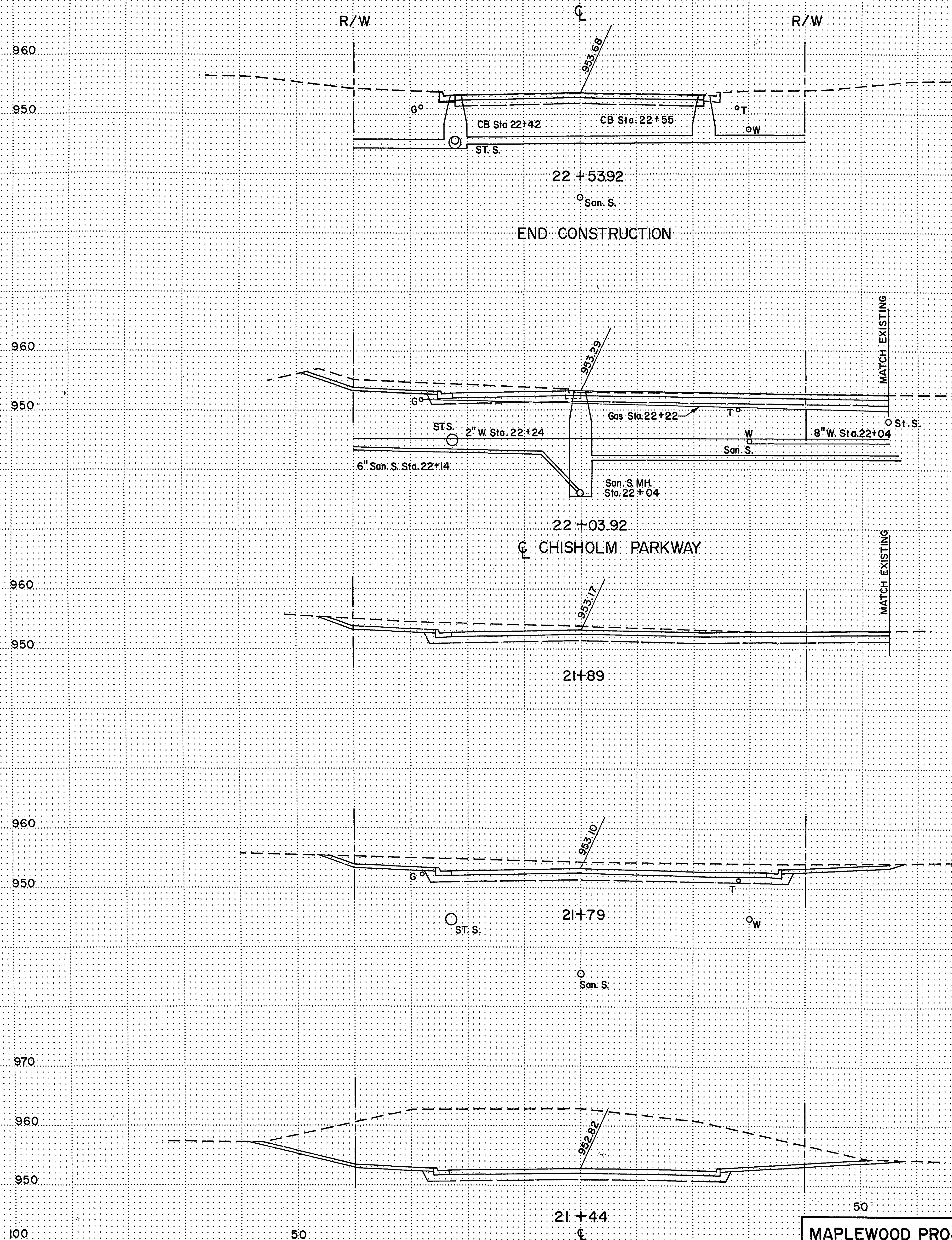
Note: Topography shown is based on surveys performed in 1976-77. Back of curb areas may have been modified by subsequent construction.

LYDIA AVENUE
CROSS SECTIONS



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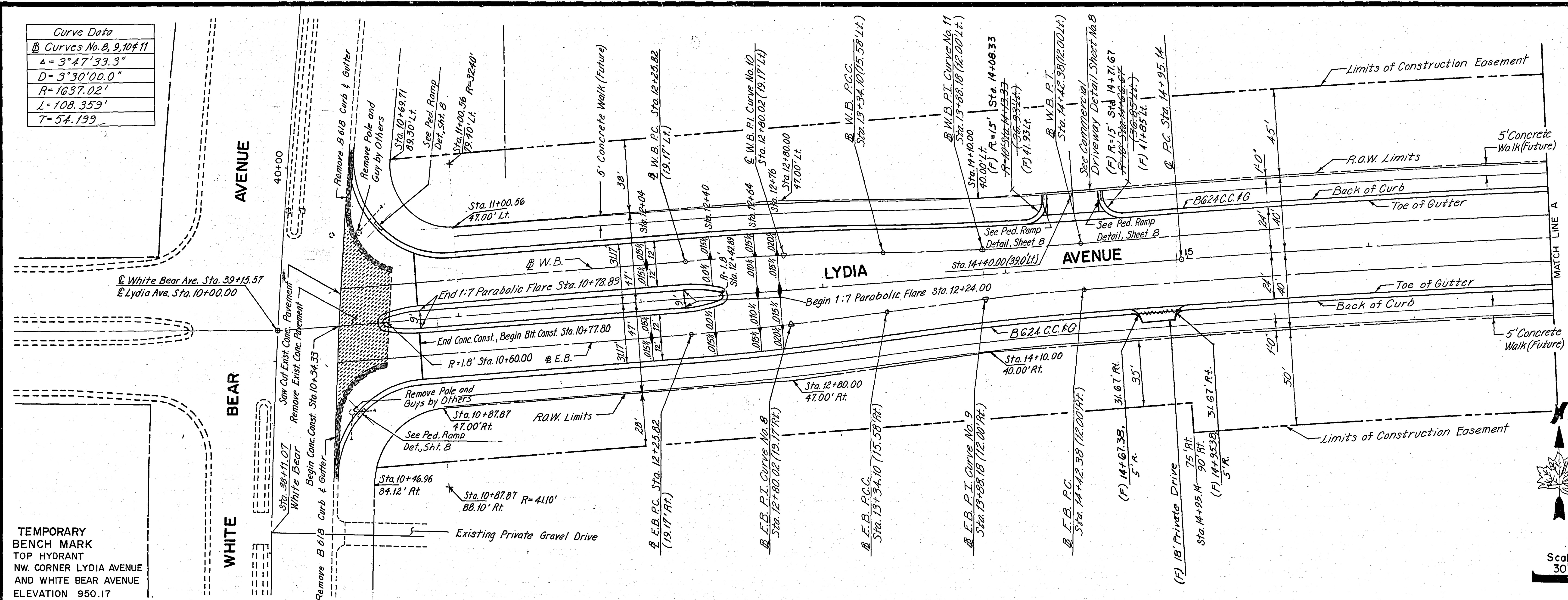
LYDIA AVENUE
CROSS SECTIONS



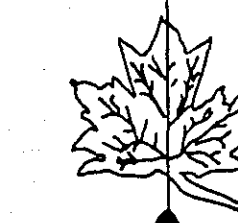
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LYDIA AVENUE
CROSS SECTIONS

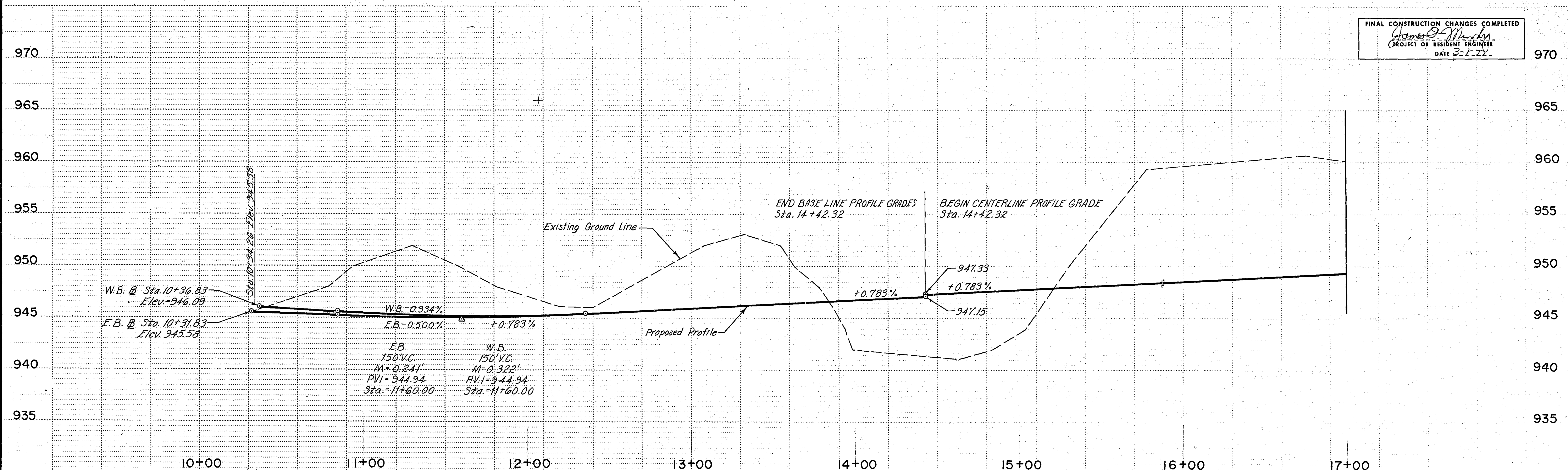
Curve Data	
B	Curves No. 8, 9, 10 & 11
A	= 3° 47' 33.3"
D	= 3° 30' 00.0"
R	= 1637.02'
L	= 108.359'
T	= 54.199'



TEMPORARY
BENCH MARK
TOP HYDRANT
NW CORNER LYDIA AVENUE
AND WHITE BEAR AVENUE
ELEVATION 950.17



Scale
30'



FINAL CONSTRUCTION CHANGES COMPLETED
James D. Mader
PROJECT OR RESIDENT ENGINEER
DATE 3-1-22

REVISIONS		
DATE	BY	DESCRIPTION
4-8-75	VJR	Change 3-Center Curves to 50' Radii
4-28-75	TML	R.O.W. Revision (for 50' Radii) & Profile E.I.

DRAWN BY	VJR.
CHECKED BY	G.M.C.
BACK-CHECK'D BY	L.E.A.
APPROVED BY	J.O.M.

HNTB
HOWARD NEEDLES TAMMEN & BERGENDOFF
MINNEAPOLIS, MINNESOTA

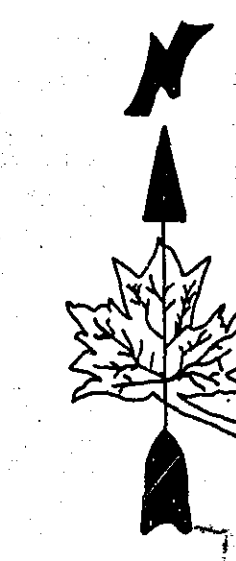
CITY OF MAPLEWOOD
MINNESOTA
LYDIA AVENUE
ENGINEERING DEPARTMENT

CITY PROJECT NO. 73-13
M.S.A.S. PROJECT NO. 138-116-06

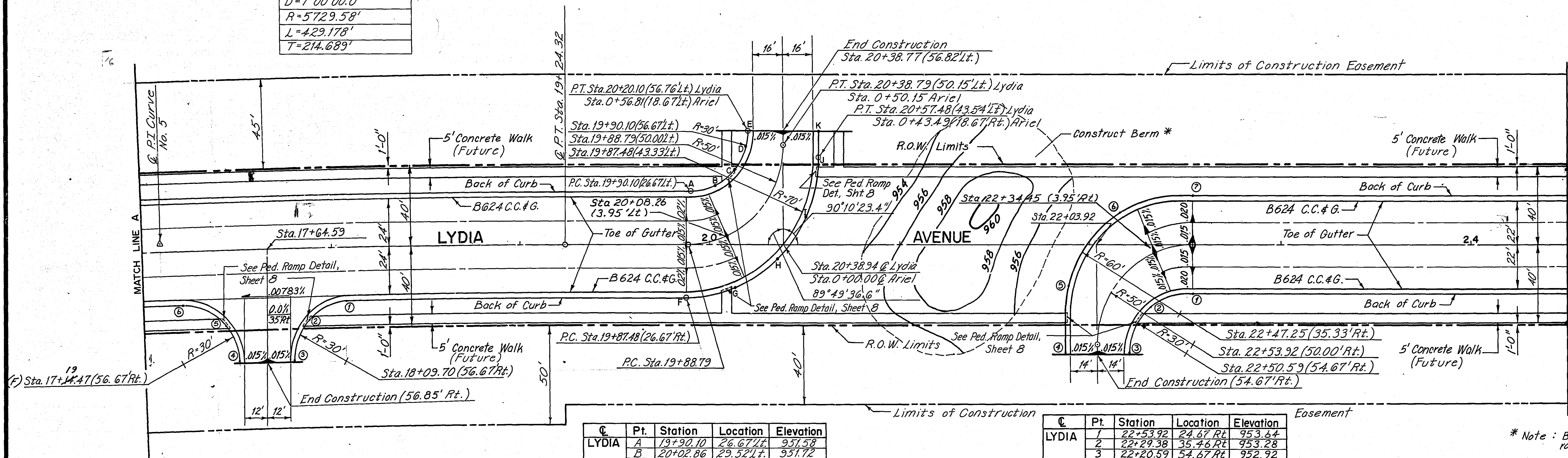
PLANNED CONSTRUCTION
AND ROADWAY PROFILE
SHEET 27 OF 117 SHEETS

27-110 3458

Curve Data	
Q Curve No. 5	
$\Delta = 4^\circ 17' 30.4''$	
$D = 1^\circ 00' 00.0''$	
$R = 5729.58'$	
$L = 429.178'$	
$T = 214.689'$	



Scale
30'



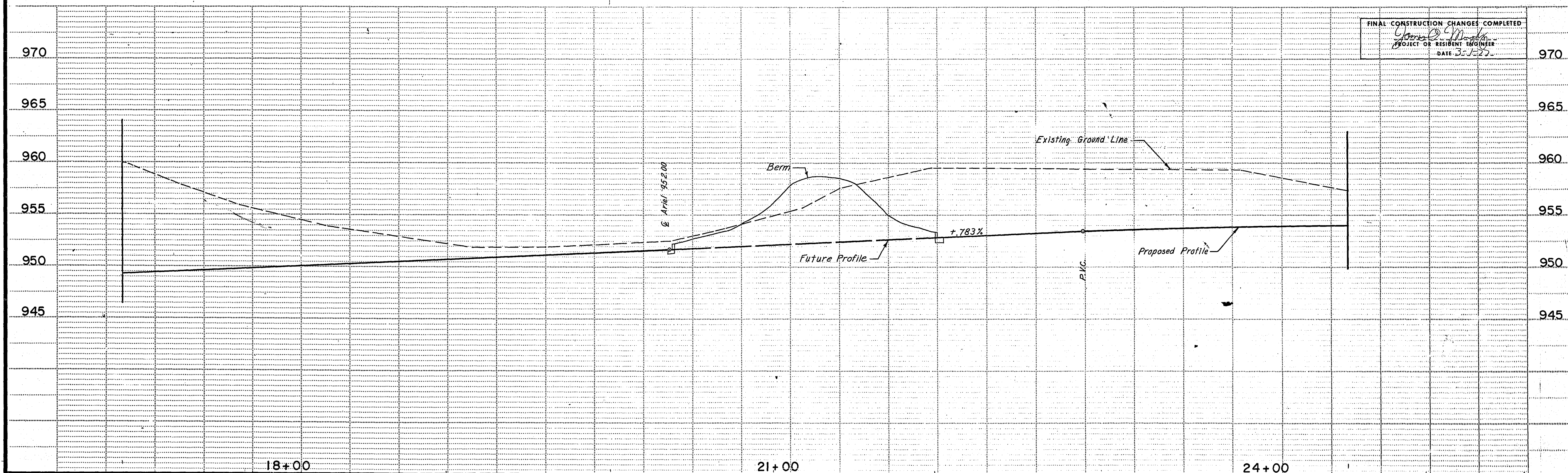
TEMPORARY
BENCH MARK
TOP HYDRANT
NW CORNER LYDIA AVENUE
AND WHITE BEAR AVENUE
ELEVATION 950.17

LYDIA	Pt.	Station	Location	Elevation
	1	18+09.86	26.67 Rt	950.16
	2	17+88.19	35.58 Rt	949.75
	3	17+79.40	54.67 Rt	949.46
	4	17+49.78	56.67 Rt	949.46
	5	17+40.99	35.58 Rt	949.56
	6	17+19.72	26.67 Rt	949.41

LYDIA	Pt.	Station	Location	Elevation
	A	19+90.10	26.67 Lt	951.58
	B	20+02.86	29.52 Lt	951.72
	C	20+13.20	37.52 Lt	951.66
	D	20+19.15	49.16 Lt	951.60
	E	20+20.10	56.76 Lt	951.56
	F	19+87.48	26.67 Rt	951.56
	G	20+13.34	21.71 Rt	951.71
	H	20+35.54	17.56 Rt	951.74
	I	20+50.94	13.80 Lt	951.68
	J	20+51.48	43.54 Lt	951.61
	K	20+51.44	56.87 Lt	951.36

LYDIA	Pt.	Station	Location	Elevation
	1	22+53.92	24.67 Rt	953.64
	2	22+29.38	35.46 Rt	953.28
	3	22+20.59	54.67 Rt	952.92
	4	21+87.25	54.67 Rt	952.92
	5	21+90.87	14.81 Rt	953.16
	6	22+17.25	16.63 Lt	953.40
	7	22+53.92	24.67 Lt	953.64

* Note : Berm should vary from 6-9 feet above future roadway surface.



FINAL CONSTRUCTION CHANGES COMPLETED
PROJECT OF RESIDENT ENGINEER
DATE 3-1-22

REVISIONS		
DATE	BY	DESCRIPTION
4-28-15	ELP	Profile Elevations

DRAWN BY	V.J.R.
CHECKED BY	G.M.C.
BACK-CHECK'D BY	L.E.A.
APPROVED BY	J.O.M.

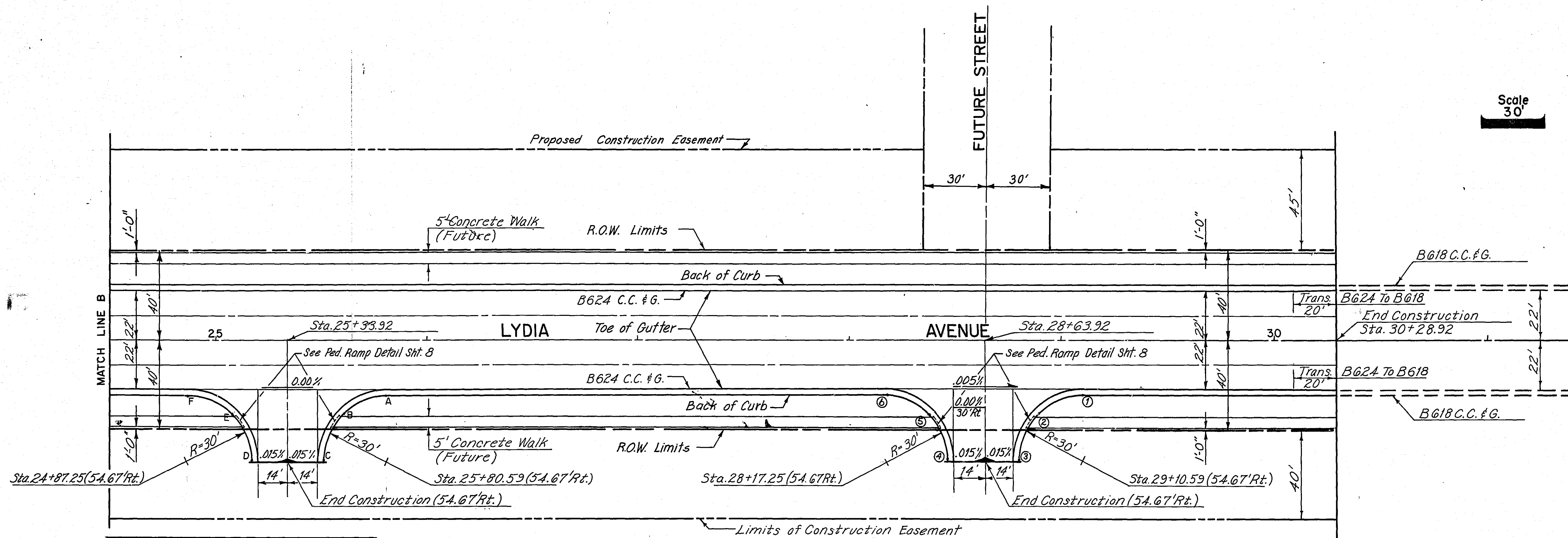
HNTB
HOWARD NEEDLES TAMMEN & BERGENDOFF
MINNEAPOLIS, MINNESOTA

CITY OF MAPLEWOOD
MINNESOTA
LYDIA AVENUE
ENGINEERING DEPARTMENT

CITY PROJ. NO. 73-13
M.S.A.S PROJ. NO. 138-116-06

PLANNED CONSTRUCTION
AND ROADWAY PROFILE
SHEET 28 OF 117 SHEETS

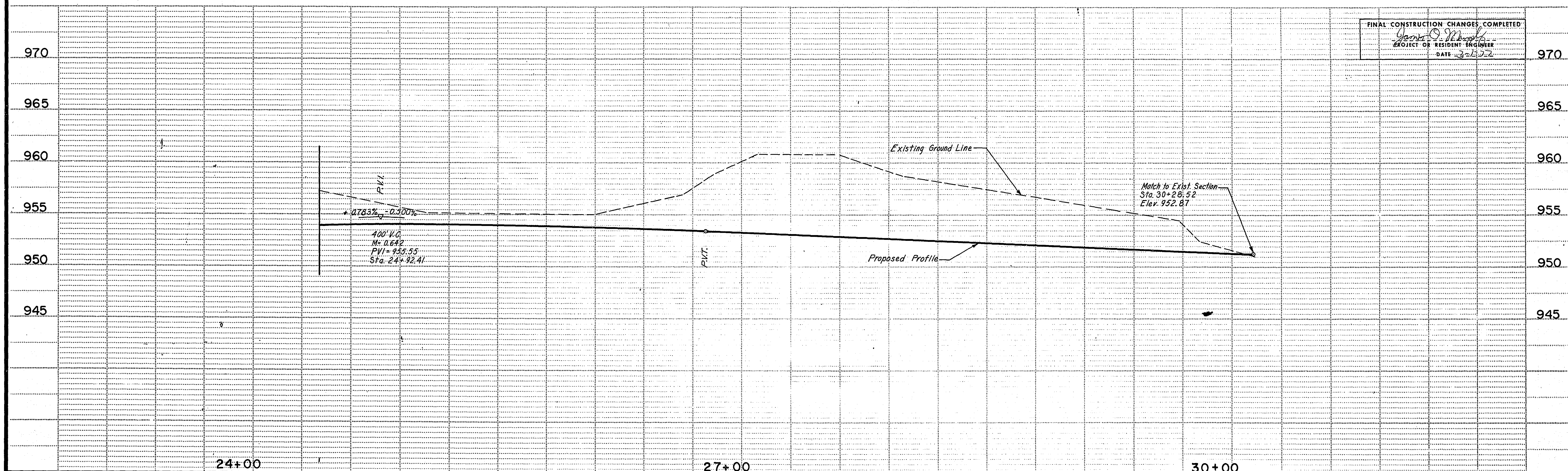
27-110 3439



C	Pt.	Station	Location	Elevation
LYDIA	A	25+80.59	24.67 Rt.	954.90
	B	25+59.38	35.46 Rt.	954.73
	C	25+50.59	56.67 Rt.	954.56
	D	25+17.25	56.67 Rt.	954.56
	E	25+08.46	35.46 Rt.	954.73
	F	24+87.25	24.67 Rt.	954.90

C	Pt.	Station	Location	Elevation
LYDIA	1	29+10.59	24.67 Rt.	953.45
	2	28+89.38	35.46 Rt.	953.55
	3	28+80.59	54.67 Rt.	953.32
	4	28+47.25	54.67 Rt.	953.32
	5	28+38.46	35.46 Rt.	953.62
	6	28+17.25	24.67 Rt.	953.92

TEMPORARY
BENCH MARK
TOP HYDRANT
SW. CORNER LYDIA AVENUE
AND MCKNIGHT ROAD
ELEVATION 966.13



FINAL CONSTRUCTION CHANGES COMPLETED
DATE 3-1-52

REVISIONS		
DATE	BY	DESCRIPTION
4-28-75	E.J.F.	Profile Elevations

DRAWN BY V.J.R.
CHECKED BY G.M.C.
BACK-CHECK'D BY L.E.A.
APPROVED BY J.O.M.

HNTB
HOWARD NEEDLES TAMMEN & BERGENDOFF
MINNEAPOLIS, MINNESOTA

CITY OF MAPLEWOOD
MINNESOTA
LYDIA AVENUE
ENGINEERING DEPARTMENT

CITY PROJ. NO. 73-13
M.S.A.S PROJ. NO. 138-116-06

PLANNED CONSTRUCTION
AND ROADWAY PROFILE
SHEET 29 OF 117 SHEETS

27-110 3460