APPROVED BY

STARK COUNTY ENGINEER ____ DATE ____

SAFETY SERVICE DIRECTOR
MASSILLON, OHIO ____ DATE ____

CITY ENGINEER
MASSILLON, OHIO ____ DATE ____

CITY OF MASSILLON, OHIO - PAVEMENT

CHERRY ROAD NW

INDEX OF SHEETS

TITLE SHEET & TYPICAL SECT. ________ 1-A
CHERRY ROAD STA. 0+37.17 TO STA. 4+50 ________ 1
CHERRY " STA. 4+50 TO 9+25 ________ 2
CHERRY " STA. 9+25 TO 13+50 ________ 3
CHERRY ROAD STA. 13+50 TO 17+00 ________ 4
GUTTER GRADE OF CLIFF ST. N.W., GUY ST. N.W. & CABLE CT. ___ 5
GUTTER GRADE OF 4TH & 5TH ST. N.W. ________ 6
CROSS SECTION STA. 3+00 TO 4+50 ________ A
CROSS SECTION STA. 5+00 TO 7+50 ________ B
CROSS " STA. 8+00 TO 11+00 ________ C
CROSS SECTION STA. 11+50 TO 14+00 ________ D
CROSS SECTION STA. 14+50 TO 18+00 ________ E
PLAN & PROFILES ________ 1-6
RIGHT-OF-WAY THROUGH PROPERTY ________ F

GENERAL NOTES

REMOVAL OF TREES AND STUMPS

ALL TREES AND STUMPS SPECIFICALLY MARKED FOR REMOVAL WITHIN THE CONSTRUCTION LIMITS OF THIS PROJECT SHALL BE REMOVED UNDER THE LUMP SUM PRICE BID FOR ITEM 201 CLEARING AND GRUBBING.

THE CITY OF MASSILLON RESERVES THE RIGHT TO ORDER THE REMOVAL OF ADDITIONAL TREES OR STUMPS OUTSIDE OF THE LIMITS OF CONSTRUCTION BUT WITHIN THE 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.

UNDERGROUND UTILITIES

THE LOCATION OF THE UNDERGROUND UTILITIES SHOWN ON THE PLANS HAVE BEEN OBTAINED BY DILIGENT FIELD CHECKS 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.

ESTIMATED QUANTITIES

SPECIFIC LOCATIONS AND USAGE OF ESTIMATED QUANTITIES SET UP ON THESE PLANS TO BE USED "AS DIRECTED BY THE ENGINEER" SHALL BE MADE A MATTER OF RECORD BY INCORPORATION INTO THE FINAL CHANGE ORDER GOVERNING COMPLETION OF THIS PROJECT.

SEEDING

QUANTITIES FOR SEEDING ARE CALCULATED FOR THE SOIL AREAS BETWEEN LINES THREE (3) FEET OUTSIDE THE WORK LIMITS, OR THE RIGHT-OF-WAY LINE IF SUCH LINE IS LESS THAN THREE 3) FEET FROM THE WORK LIMITS.

CONNECTION TO EXISTING PIPE

AT PLACES WHERE THE PLANS PROVIDE FOR PROPOSED PIPE TO BE CONNECTED TO EXISTING PIPE, 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 PIPE. THE COST OF THIS OPERATION SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE PERTINENT 603 CONDUIT ITEM.

MAINTENANCE OF SEWER FLOWS

THE CONTRACTOR SHALL CONDUCT HIS OPERATIONS SO AS TO MAINTAIN AT ALL TIMES SEWER FLOWS THROUGH EXISTING FACILITIES TO REMAIN IN PLACE AND THROUGH EXISTING FACILITIES TO BE REPLACED UNTIL NEW FACILITIES ARE COMPLETED AND PLACED INTO USE.

PAYMENT FOR ANY ADDITIONAL COSTS INVOLVED IN MAINTAINING THESE FLOWS BY PUMPING OR BY ANY OTHER MEANS APPROVED BY THE ENGINEER SHALL BE INCLUDED IN THE UNIT PRICES BID FOR THE RESPECTIVE ITEMS OF 603 CONDUIT.

TRAFFIC MAINTENANCE

TWO WAY TRAFFIC SHALL BE MAINTAINED ON CHERRY RD. N.W. AT ALL TIMES (SEE GENERAL NOTES IN PLANS. PEDESTIAN TRAFFIC TO EXISTING STRUCTURE SHALL BE MAINTAIN AT ALL TIME.

REMOVAL OF EXISTING PIPE

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

DR. BY RONNIE MCPHERSON

GEN. NOTES CONT.

TRAFFIC

TRAFFIC SHALL BE MAINTAINED TO 4TH ST. N.W. & 5TH ST. N.W. AT ALL TIMES. ONE MEANS OF ACCESS TO GUY, CLIFF AND CABLE CT. (THIS MAY BE BY WAY OF CLIFF OR GUY) SHALL BE OPEN AT ALL TIMES. ONE WAY TRAFFIC TO THE AREA BOUNDED BY THIS PROJECT MUST BE MAINTAINED AT ALL TIME. THROUGH TRAFFIC SHALL BE DETOURED, BUT DETOURING TIME SHALL BE KEPT TO A MINIMUM. IF PROJECT IS SHUT DOWN FOR THE WINTER, A MEANS OF TWO WAY TRAFFIC SHALL BE MAINTAINED. THE CONTRACTOR SHALL MAINTAIN DUST CONTROL.

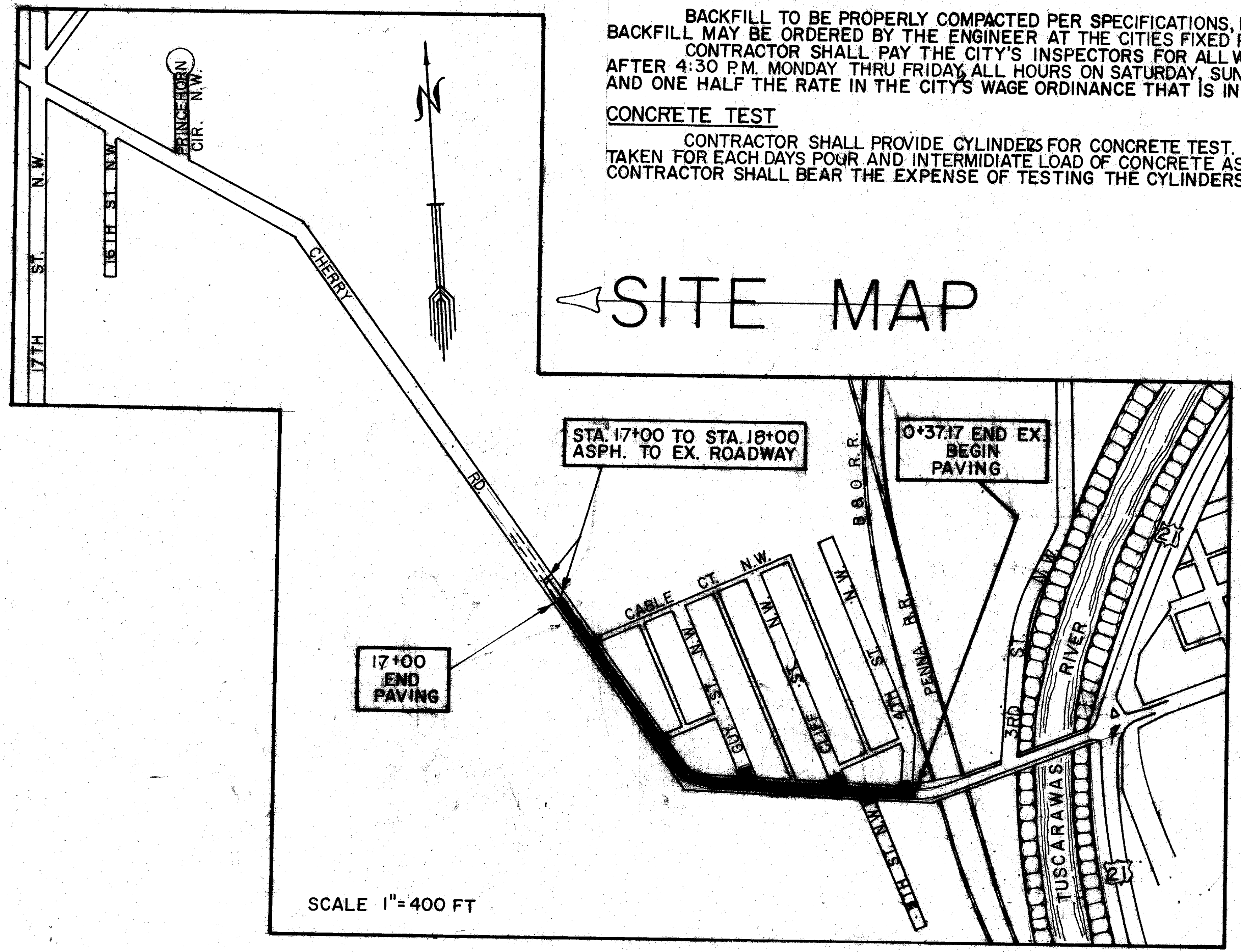
CONSTRUCTION NOTE:

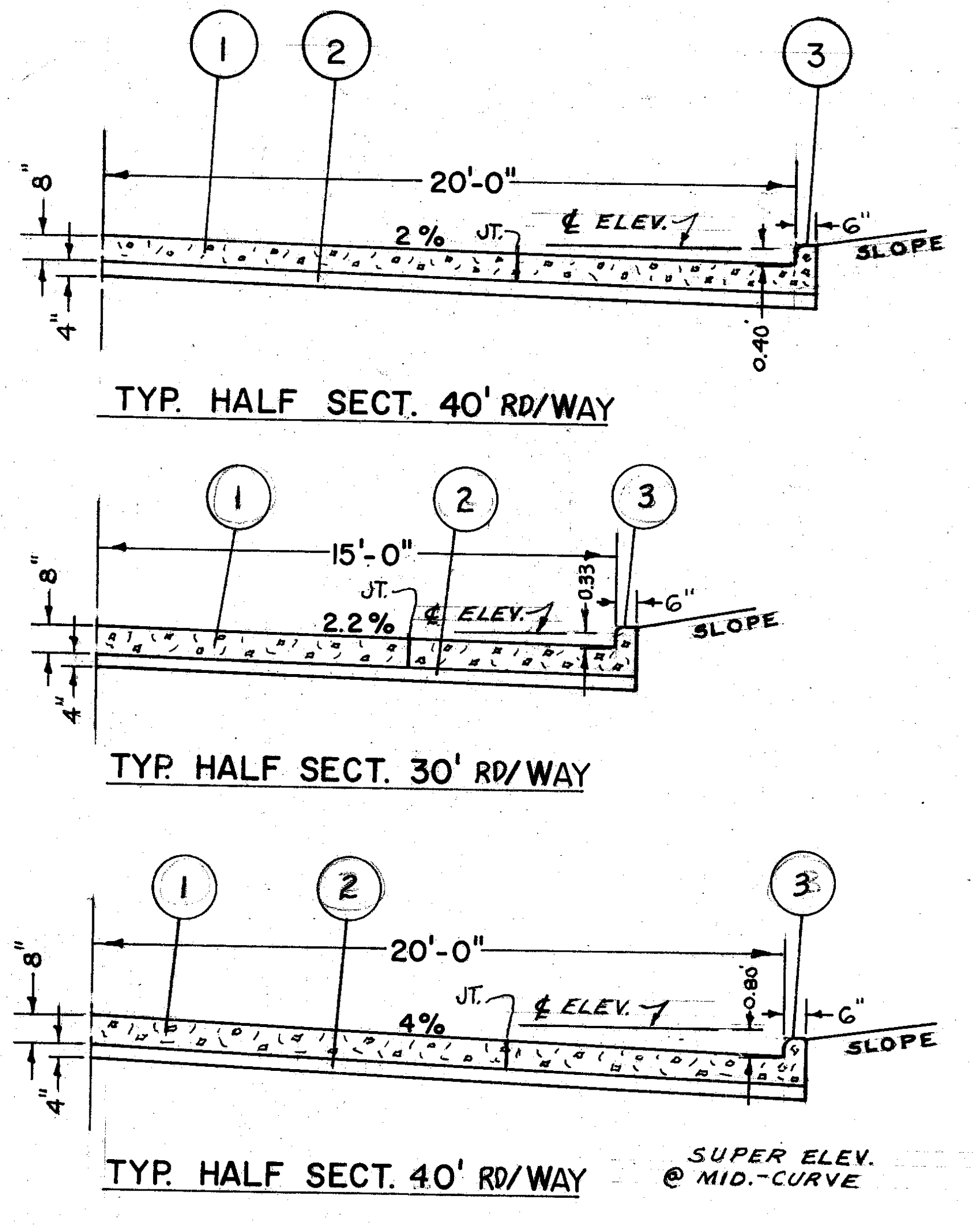
BACKFILL TO BE PROPERLY COMPACTED PER SPECIFICATIONS, IF UNSUITABLE, GRANULAR BACKFILL MAY BE ORDERED BY THE ENGINEER AT THE CITIES FIXED PRICE IN THE BID SHEETS.

CONTRACTOR SHALL PAY THE CITY'S INSPECTORS FOR ALL WORK BEFORE 8:00 A.M. AND AFTER 4:30 P.M. MONDAY THRU FRIDAY, ALL HOURS ON SATURDAY, SUNDAY OR HOLIDAYS AT TIME AND ONE HALF THE RATE IN THE CITY'S WAGE ORDINANCE THAT IS IN EFFECT.

CONCRETE TEST

CONTRACTOR SHALL PROVIDE CYLINDERS FOR CONCRETE TEST. THESE CYLINDERS SHALL BE TAKEN FOR EACH DAYS POUR AND INTERMIDIATE LOAD OF CONCRETE AS DIRECTED BY THE ENGINEER. CONTRACTOR SHALL BEAR THE EXPENSE OF TESTING THE CYLINDERS.





SCALE 1" = 5FT

① ITEM 1-8" CONCRETE

② ITEM 2-4" AGGREGATE BASE

③ ITEM 3-6" CURB

SCALES

PLAN	1" = 20'
PROFILE HORIZONTAL	1" = 20'
VERTICAL	1" = 2'
CROSS SECTION	1" = 2½'

MASSILLON CITY STANDARD:

ARE HEREIN INCLUDED AS PART OF THIS CONTRACT. REFER TO M-578 MANHOLE AND CATCH BASIN CASTINGS, M-581 MANHOLE AND CATCH BASIN, AND P-294 CONSTRUCTION DETAIL, PAVEMENT JOINTS & SECTION.

1970 SPECIFICATIONS

THE STANDARD SPECIFICATIONS OF THE CITY OF MASSILLON, OHIO, DEPT. OF PUBLIC SERVICE ENGINEERING DIVISION, INCLUDING CHANGES AND SUPPLEMENTAL SPECIFICATIONS LISTED IN THE PROPOSAL SHALL GOVERN THIS IMPROVEMENT.

THE RIGHT-OF-WAY FOR THIS IMPROVEMENT WILL BE PROVIDED BY THE CITY OF MASSILLON.

GEN. NOTES, BID ITEMS:

BID ITEMS TO BE USED ONLY AT ENGINEERS DIRECTION: 4" UNDERDRAINS, GRAVEL BACKFILL IN TRENCHS, NEW MANHOLE FRAMES & COVERS ON EXIST. STRUCTURES, SUB-BASE AGGREGATE & REBUILD MANHOLES.

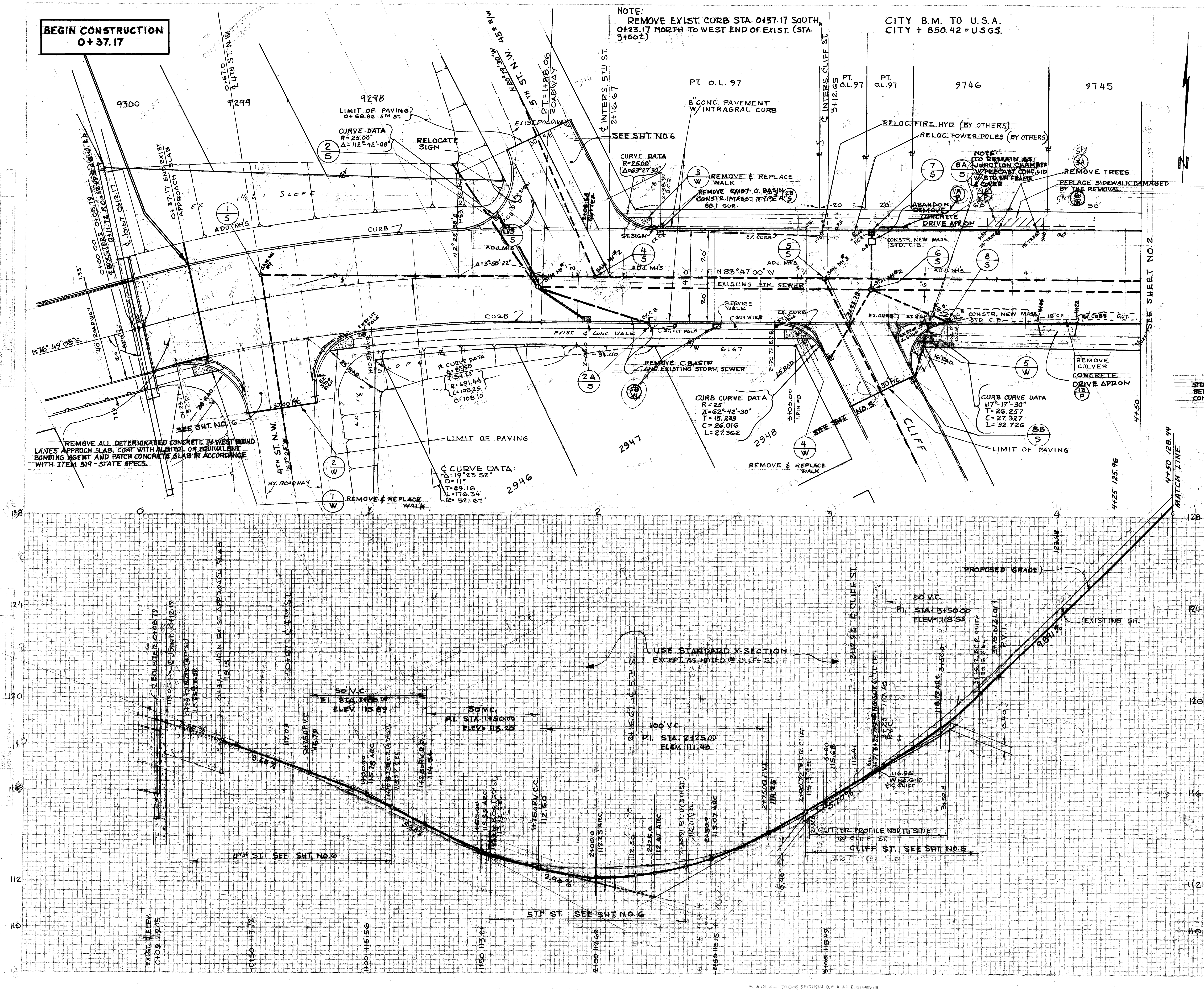
SALVAGE TOP SOIL WHERE POSSIBLE, SOD ON SLOPES, EAST SIDE STA. 12+00 to 14+50.

GRADING QUANTITIES: CUT CALCULATED TO FINISH SURFACE OF PAVEMENT & LAWN.
FILL CALC.'D OUTSIDE ROADWAY TO FIN. SURFACE, FILL IN ROADWAY INCL'D. IN SUB-BASE ITEM.
EXCAVATION FOR PAVEMENT INCLUDED IN PRICE FOR PAVEMENT.

ELEVATION DATUM

ALL ELEVATIONS ARE BASED ON THE CITY DATUM + 849.04 = U.S.G.S. DATUM

FILE NO. P-293 ACC. NO. 2515


BEGIN CONSTRUCTION 0+37.17
NOTE: REMOVE EXIST. CURB STA. 0+37.17 SOUTH, 0+23.17 NORTH TO WEST END OF EXIST. (STA 3+00±)
CITY B.M. TO U.S.A. CITY + 850.42 = USGS.
9300
9299
9298
9746
9745
LIMIT OF PAVING 0+68.86 5TH ST.
CURVE DATA R=25.00 Δ=112°-42'-08"
RELOCATE SIGN
PT. 1+88.06 ROADWAY
5TH ST. N.W.
℄ INTERS. 5TH ST. 2+16.67
SEE SHT. NO. 6
CURVE DATA R=25.00' Δ=63°27'30"
PT. O.L. 97
8" CONC. PAVEMENT W/ INTRAGRAL CURB
℄ INTERS. CLIFF ST. 3+12.65
RELOC. FIRE HYD. (BY OTHERS)
RELOC. POWER POLES (BY OTHERS)
NOTE TO REMAIN AS JUNCTION CHAMBER W/ PRECAST CONC. LID W/ STD. MH FRAME & COVER
REMOVE TREES
REPLACE SIDEWALK DAMAGED BY THE REMOVAL
REMOVE & REPLACE WALK
REMOVE EXIST. C. BASIN CONSTR. MASS. TYPE A
ABANDON REMOVE CONCRETE DRIVE APRON
CONSTR. NEW MASS. STD. C.B.
ADJ. MH'S
CURB
N 83°47'00" W
EXISTING STM. SEWER
SEE SHEET NO. 2
EXIST. 4" CONC. WALK
SERVICE WALK
CONSTR. NEW MASS. STD. C.B.
N 76°49'08" E
40' ROADWAY
℄ CURVE DATA Δ=8°58' T=54.73 R=691.44 L=108.25 C=108.10
REMOVE C.BASIN AND EXISTING STORM SEWER
CURB CURVE DATA R=25' Δ=62°42'-30" T=15.233 C=26.016 L=27.362
CURB CURVE DATA 117°-17'-30" T=26.257 C=27.327 L=32.726
REMOVE CULVER
CONCRETE DRIVE APRON
CLIFF
LIMIT OF PAVING
SEE SHT. NO. 5
REMOVE & REPLACE WALK
2947
2948
2946
4TH ST. N.W.
SEE SHT. NO. 6
REMOVE ALL DETERIORATED CONCRETE IN WEST BOUND LANES APPROCH SLAB. COAT WITH ALBITOL OR EQUIVALENT BONDING AGENT AND PATCH CONCRETE SLAB IN ACCORDANCE WITH ITEM 519 - STATE SPECS.
℄ CURVE DATA: Δ=19°23'52" D=11° T=89.16 L=176.34' R=521.67'
REMOVE & REPLACE WALK
EX. ROADWAY
4+50 128.44
MATCH LINE
4+25 125.96
PROPOSED GRADE
EXISTING GR.
50' V.C. P.I. STA. 3+50.00 ELEV. 118.53
USE STANDARD X-SECTION EXCEPT AS NOTED @ CLIFF ST.
50' V.C. P.I. STA. 1+00.00 ELEV. 115.89
50' V.C. P.I. STA. 1+50.00 ELEV. 113.20
100' V.C. P.I. STA. 2+25.00 ELEV. 111.40
GUTTER PROFILE NORTH SIDE @ CLIFF ST.
4TH ST. SEE SHT. NO. 6
CLIFF ST. SEE SHT. NO. 5
5TH ST. SEE SHT. NO. 6
EXIST. ℄ ELEV. 0+09 119.05
0+50 117.72
1+00 115.56
1+50 113.21
2+00 112.62
2+50 113.15
3+00 115.49
128
124
120
116
112
110

PROVIDE ITEM IN QUANTITIES FOR CLEANOUT OF ALL REMAINING CATCH BASINS AND EXISTING STORM SEWER.

ESTIMATED QUANTITIES SEWER & WALK

REF. No.	STA. TO STA.	SIDE	CONDUIT TYPE B W/CL B BED'G 12" 603 604	ADJ. MH'S	STD. MASS. C.B. 604	4" CONC. WALK 608	608 6" CONC. DR. 608
1-S	0+67	IN RD.WAY		1	TYPE		
2-S	1+70	IN ROADWAY	8'	-----	1A		
3-S	1+85			1			
4-S	2+10			1			
5-S	3+13			1			
6-S	3+33			1			
7-S	3+33	L.T.	4'		1		
8-S	6+66	RT.	4'		1		
1-W	0+26 - 0+38	RT.				30□	
2-W	0+92 - 1+02	RT.				36□	
3-W	2+25 - 2+36	L.T.				34□	
4-W	2+93 - 3+04	RT.				54□	
5-W	3+50 - 3+60	RT.				44□	
~~8A-S~~	~~3+58~~	RT.		1	SEE NOTE		
~~8B-S~~	~~3+52~~	RT.		1			
2A-S	2+05 & 2+35	RT.	24'		1		
1A-P	3+36 - 3+48	L.T.					24□
SA W	3+83 - 4+08	L.T.				125□	
1B-P	4+06± - 4+22±	RT.					64□
~~5B-W~~	~~2+63 - 2+66~~	RT.				8□	
~~2B-S~~	~~2+39~~				1		
~~SA W~~	~~3+83 - 408~~						

TREES REMOVED
1 - 24"
1 - 18"

CULVERTS REMOVED
1 - 18" C.M.P.

USE MODIFIED TYPE 2 STD. CONCRETE DRIVEWAY APPROACH SIMILIA~~Y~~R TO DETAILS ON STATE STD. DWG. BP-6 FOR ALL ALLEYS AND DRIVEWAYS. CONCRETE ONLY THAT PORTION OF DRIVE BETWEEN CURB AND NEAR EDGE OF SIDEWALK. IF NO SIDEWALK EXISTS AT DRIVE LOCATION, END CONCRETE APPROACH AT EDGE OF PROPOSED WALK.

REVISION		
DATE	DESC.	APPRO.
6-17-70	GRADE	R.W.
8-20-70	PLAN CH.	R.Mc

CITY OF MASSILLON, OHIO

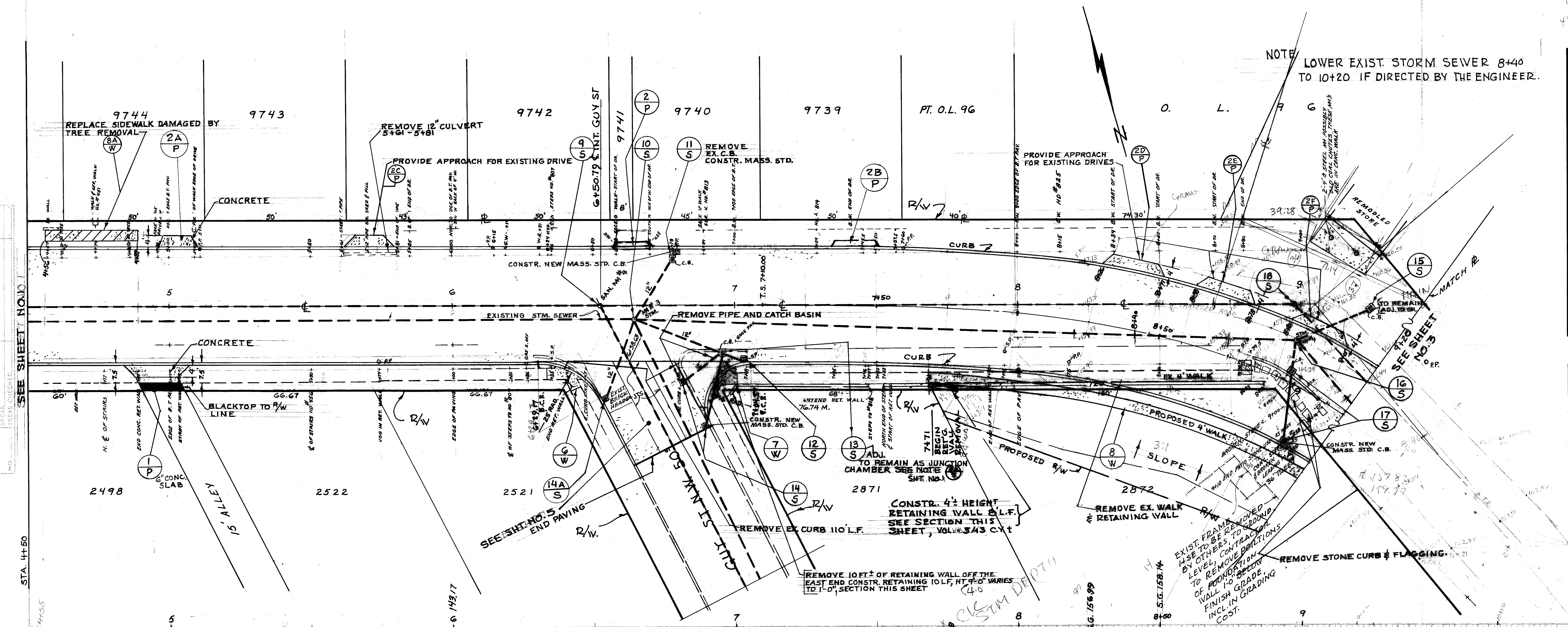
PAVING PLAN
CHERRY RD. N.W.

DR BY ROBERT WAGONER
& Ronnie McPherson
DEPT. OF PUBLIC SERVICE
ENGINEERING DIVISION
CITY ENG.-ROBERT WAGONER
SCALE 1" = 20FT HOR. 1" = 2FT. VERT.
10/24/69
SHEET 1

FILE No. 293
ACC. No. 2513

4+86 - 20" TRF
4+62 - 30" T
4" UNDERDRAIN WHERE DIRECTED

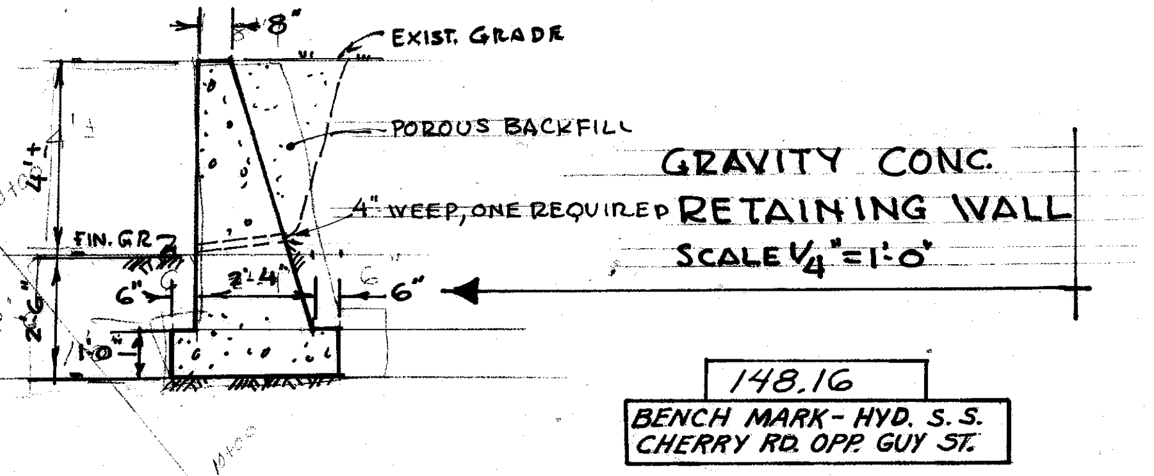
NOTE: LOWER EXIST. STORM SEWER 8+40 TO 10+20 IF DIRECTED BY THE ENGINEER.


9744
9743
9742
9741
9740
9739
PT. O.L. 96
O. L. 96
REPLACE SIDEWALK DAMAGED BY TREE REMOVAL
REMOVE 12" CULVERT 5+61 - 5+81
PROVIDE APPROACH FOR EXISTING DRIVE
6+50.79 ℄ INT. GUY ST
REMOVE EX. C.B. CONSTR. MASS. STD.
PROVIDE APPROACH FOR EXISTING DRIVES
CONCRETE
R/W
CURB
CONSTR. NEW MASS. STD. C.B.
EXISTING STM. SEWER
REMOVE PIPE AND CATCH BASIN
T.S. 7+10.00
SEE SHEET NO. 1
SEE SHEET NO. 3
MATCH ℄
TO REMAIN ADJ. TO GR.
REMODELED STORE
CONCRETE
BLACKTOP TO R/W LINE
6" CONC. SLAB
15' ALLEY
2498
2522
2521
2871
2872
SEE SHT NO. 5 END PAVING
GUY ST. N.W. 50'
REMOVE EX. CURB 110 L.F.
ADJ. TO REMAIN AS JUNCTION CHAMBER SEE NOTE SHT. NO. 1
CONSTR. 4½' HEIGHT RETAINING WALL 8 L.F. SEE SECTION THIS SHEET, VOL. 3.43 C.Y.
REMOVE 10 FT.± OF RETAINING WALL OFF THE EAST END CONSTR. RETAINING 10 L.F., HT 9'-0" VARIES TO 1'-0" SECTION THIS SHEET
PROPOSED R/W
PROPOSED 4' WALK
3:1 SLOPE
REMOVE EX. WALK & RETAINING WALL
EXIST. FRAME & GRATE TO BE REMOVED BY OTHERS. CONTRACTOR TO REMOVE BACKFILL AND GROUND LEVEL. ANY PORTIONS OF WALL 1'-0" BELOW FINISH GRADE INCL. IN GRADING COST.
REMOVE STONE CURB & FLAGGING.
CONSTR. NEW MASS. STD. C.B.
STA. 4+50
2A P
8A W
2C P
9 S
2 P
10 S
11 S
2B P
2D P
2E P
2F P
18 S
15 S
16 S
17 S
1 P
6 W
14A S
7 W
12 S
13 S
14 S
8 W

SPIRAL	L	Xc	Yc	DEFL. φ	θ	TAN
7+10.00 T.S.						
7+25	15	15.00	.014	0°03'12"	.160536	
7+50	40	40.00	.266	0°22'48"	1.14159	
7+75	65	64.982	1.139	1°00'12"	3.01452	
8+00	90	89.907	3.024	1°55'40"	5.77931	
8+25	115	114.688	6.301	3°08'25"	9.43598	
8+50	140	139.168	11.341	4°39'14"	13.98451	
8+75	165	163.112	18.494	6°27'52	19.42491	
8+97.576 M.C.	187.576	184.006	27.022	8°21'16"	25.10417	
9+00	185.152	181.804	26.006	8°08'26"	24.459516	.1430441
9+25	160.152	158.524	16.926	6°05'40"	18.300159	.1067724
9+50	135.152	134.453	10.208	4°20'30"	13.032727	.0759224
9+75	110.152	109.901	5.538	2°53'05"	8.657171	.0503908
10+00	85.152	85.082	2.561	1°43'27"	5.173466	.0301003
10+25	60.152	60.139	0.903	0°51'37"	2.581612	.0150152
10+50	35.152	35.151	0.180	0°17'36	0.881633	.0051207
10+75	10.152	10.152	0.004	0°01'21"	0.073530	.0003940
10+85.152 S.T.	0.0	0.0	0.0			

℄ SPIRAL DATA

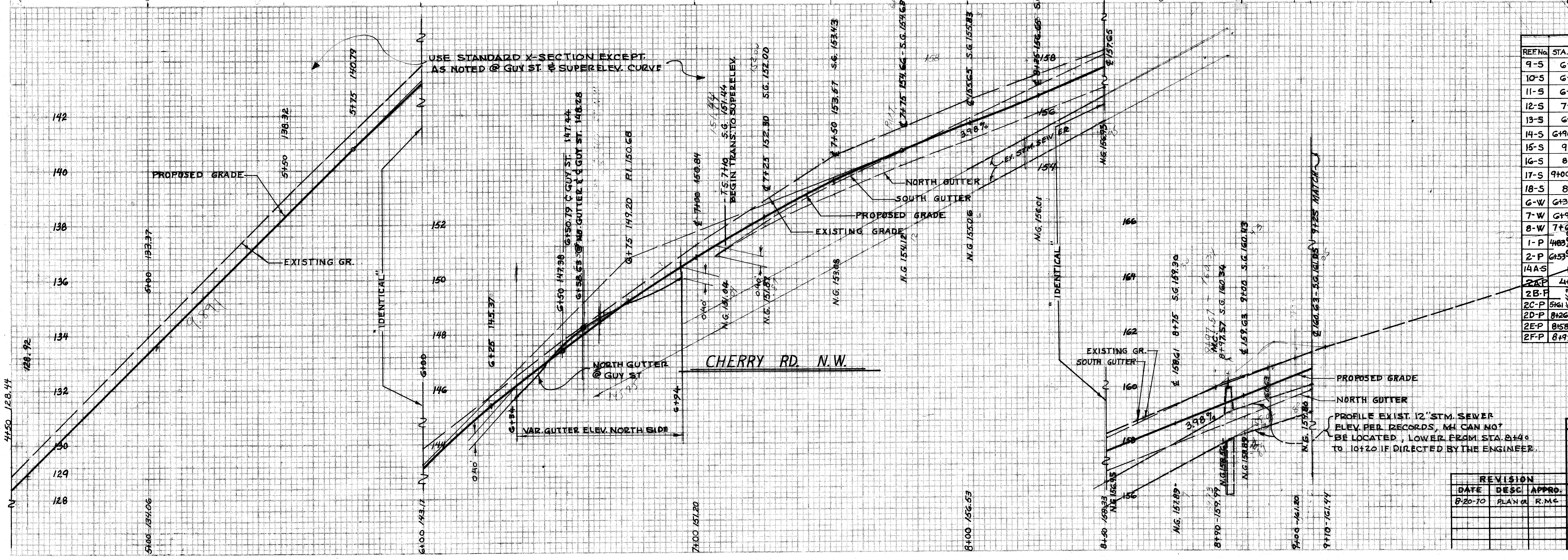
P.I.	9+06.67
R	213.980
Ls	187.576
Dc	26.766926
Ts	196.67
Es	29.841
Δ	50.208337
S.T.	63.691
P	6.514
K	93.201
θs	25.104166
L.T.	126.332


8"
EXIST. GRADE
POROUS BACKFILL
4" WEEP, ONE REQUIRED
4'-6"
FIN. GR.
6"
2'-4"

GRAVITY CONC. RETAINING WALL
SCALE 1/4"=1'-0"

148.16
BENCH MARK - HYD. S.S. CHERRY RD. OPP. GUY ST.

167.94 HYD. S. SIDE CHERRY WEST OF HD #849



ESTIMATED QUANTITIES SEWER & WALK

REF. No.	STA. TO STA.	SIDE	603 COND. TYPE B"	604 MH. ADJ. OR C.B.	604 MASS. STD. C.B.	608-6" DRIVE APR.	608 4" WALK
9-S	6+53	℄	W/CL B BED'G 12"	1			
10-S	6+64	RT		1			
11-S	6+79	LT.	4'		1		
12-S	7+03	RT	8'		1		
13-S	6+95	RT		1			
14-S	6+90 ON GUY	RT	26'		1		
15-S	9+16	LT.		1			
16-S	8+96	LT.		1			
17-S	9+00 9+10	RT.	26'		1		
18-S	8+93	LT.		1			
6-W	6+33 6+47	RT.					70
7-W	6+90 7+00	RT.					70
8-W	7+63 9+25	RT					700
1-P	4+83 5+09	RT				120	
2-P	6+53 6+73	LT				112	
14A-S	6+53	RT.		1			
2A-P	4+97-5+09	LT.				40	
2B-P	7+35-7+51	LT.				40	
2C-P	5+61 5+81	LT.					
2D-P	8+26-8+47	LT.					
2E-P	8+58-8+78	LT.					
2F-P	8+93-9+15	LT.					

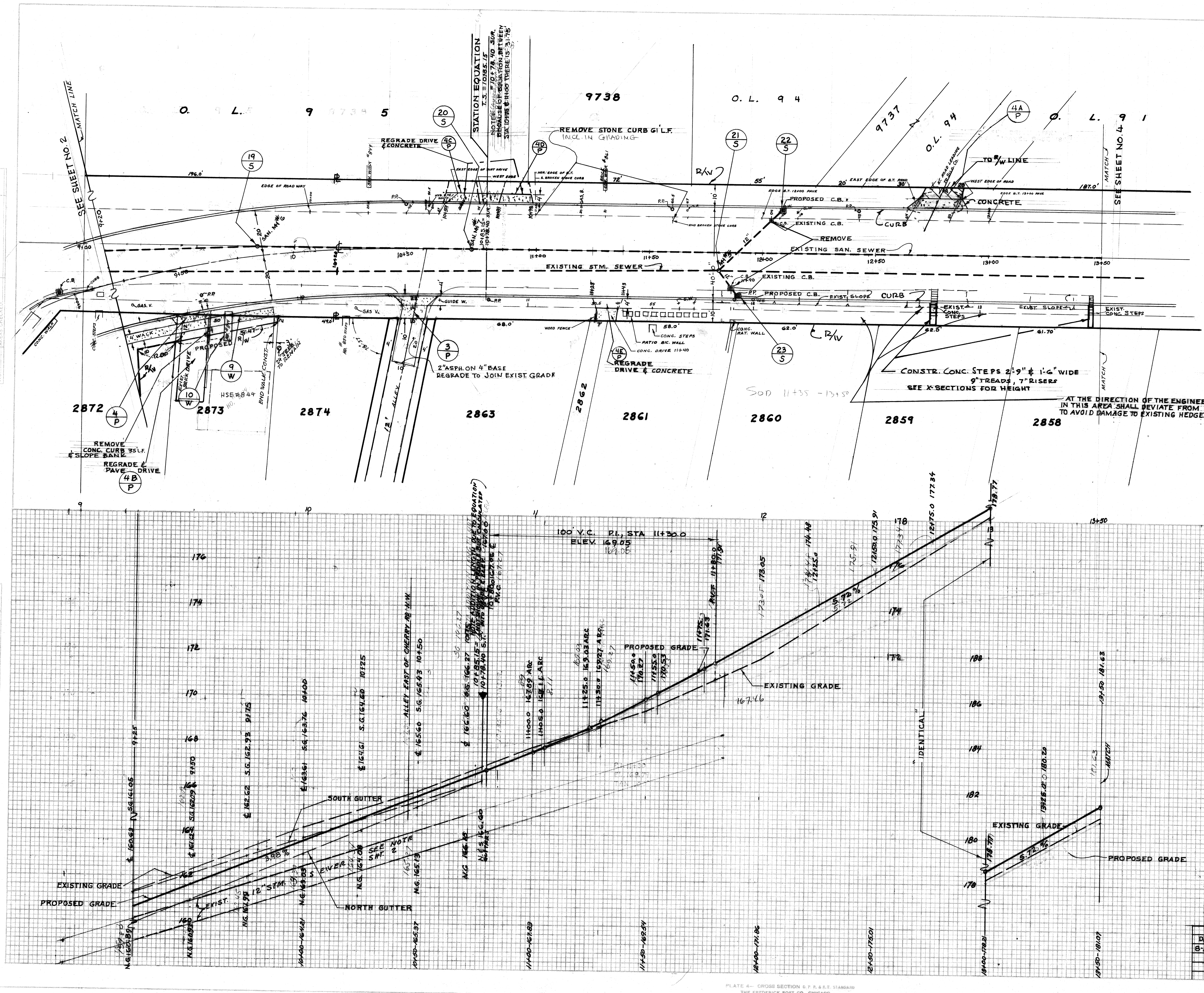
REVISION		
DATE	DESC.	APPRO.
8-20-70	PLAN	R.MC

CITY OF MASSILLON, OHIO

PAVING PLAN
CHERRY RD. N.W.

DR. BY RONNIE MCPHERSON
DEPT. OF PUBLIC SERVICE ENGINEERING DIVISION
CITY ENG. ROBERT WAGONER
SCALE 1"=20FT. HOR. 1"=2FT VERT.
10/27/69
SHEET 2

FILE № P-293 ACC № 2513


SEE SHEET NO. 2
MATCH LINE
STATION EQUATION
NOTE: BECAUSE OF EQUATION, BETWEEN STA 10+85.15 & 11+00 THERE IS 31.75'
REMOVE STONE CURB 61 L.F. INCL. IN GRADING
REGRADE DRIVE & CONCRETE
O. L. 9738
O. L. 94
O. L. 91
9737
R/W
PROPOSED C.B.
EXISTING C.B.
REMOVE
CURB
EXISTING SAN. SEWER
EXISTING STM. SEWER
TO R/W LINE
CONCRETE
SEE SHEET NO. 4
MATCH
EDGE OF ROAD WAY
EXIST. SLOPE
EXIST. CONC. STEPS
GAS V.
GUIDE W.
WOOD FENCE
CONC. STEPS
PATIO BLC. WALL
CONC. DRIVE 11+40
CONC. RAT. WALL
4' WALK
PROPOSED
END WALK CONST.
2" ASPH. ON 4" BASE REGRADE TO JOIN EXIST. GRADE
REGRADE DRIVE & CONCRETE
CONSTR. CONC. STEPS 2'-9" & 1'-6" WIDE 9" TREADS, 7" RISERS SEE X-SECTIONS FOR HEIGHT
AT THE DIRECTION OF THE ENGINEER SLOPES IN THIS AREA SHALL DEVIATE FROM PLAN CROSS-SECTION TO AVOID DAMAGE TO EXISTING HEDGE
SOD 11+35 - 13+50
REMOVE CONC. CURB 35 L.F. & SLOPE BANK
REGRADE & PAVE DRIVE
HSE #844
12' ALLEY
2872
2873
2874
2863
2862
2861
2860
2859
2858
19 S
20 S
21 S
22 S
23 S
4A P
4B P
4C P
4D P
4E P
3 P
4 P
9 W
10 W
9+00
9+50
10+00
10+50
11+00
11+50
12+00
12+50
13+00
13+50
100 V.C. P.I. STA 11+30.0 ELEV. 169.05
PROPOSED GRADE
EXISTING GRADE
SOUTH GUTTER
NORTH GUTTER
12" STM. SEWER
SEE NOTE SHT. 2
ALLEY EAST OF CHERRY RD N.W.
"IDENTICAL"
3.98%
5.73%
167.935
BENCH MARK - S.S. CHERRY WEST OF HD. #849
160
162
164
166
168
170
172
174
176
178
180
182
184
186
188

ESTIMATED QUANTITIES SEWER & WALK

REF. No.	STA. TO STA.	SIDE	603 CONDUIT TYPE B W/CLB BED'G 12"	604 ADJ MH	604 STD. M.C.B.	608 4" CONC. WALK	6" CONC. DRIVE	2" ASPH. 6" BASE
19-S	9+91	LT.		1				
20-S	10+85	℄		1				
21-S	11+84	RT.		1				
22-S	12+13	LT.	6'		1			
23-S	11+92	RT	6'		1			
3-P	10+48 10+70	RT					155 □	
4-P	9+46 9+65	RT.					60 □	
9-W	9+25 9+95	RT				272	~~272 □~~	
10-W	9+70	RT.					60 □ INCLUDING STEPS	
4A-P	12+75	LT						130 □
4B-P	9+53	RT						360 □
4C-P	10+58 10+75	LT.				[illegible] □		
4D-P	10+89-10+98	LT.						
4E-P	11+29-11+43	RT.						

CITY OF MASSILLON, OHIO

PRELIMINARY
CHERRY RD. N.W.

REVISION		
DATE	DESC.	APPRO.
8-20-70	PLAN CH.	R. MC.

DR. BY RONNIE MCPHERSON

DEPT. OF PUBLIC SERICE
ENGINEERING DIVISION

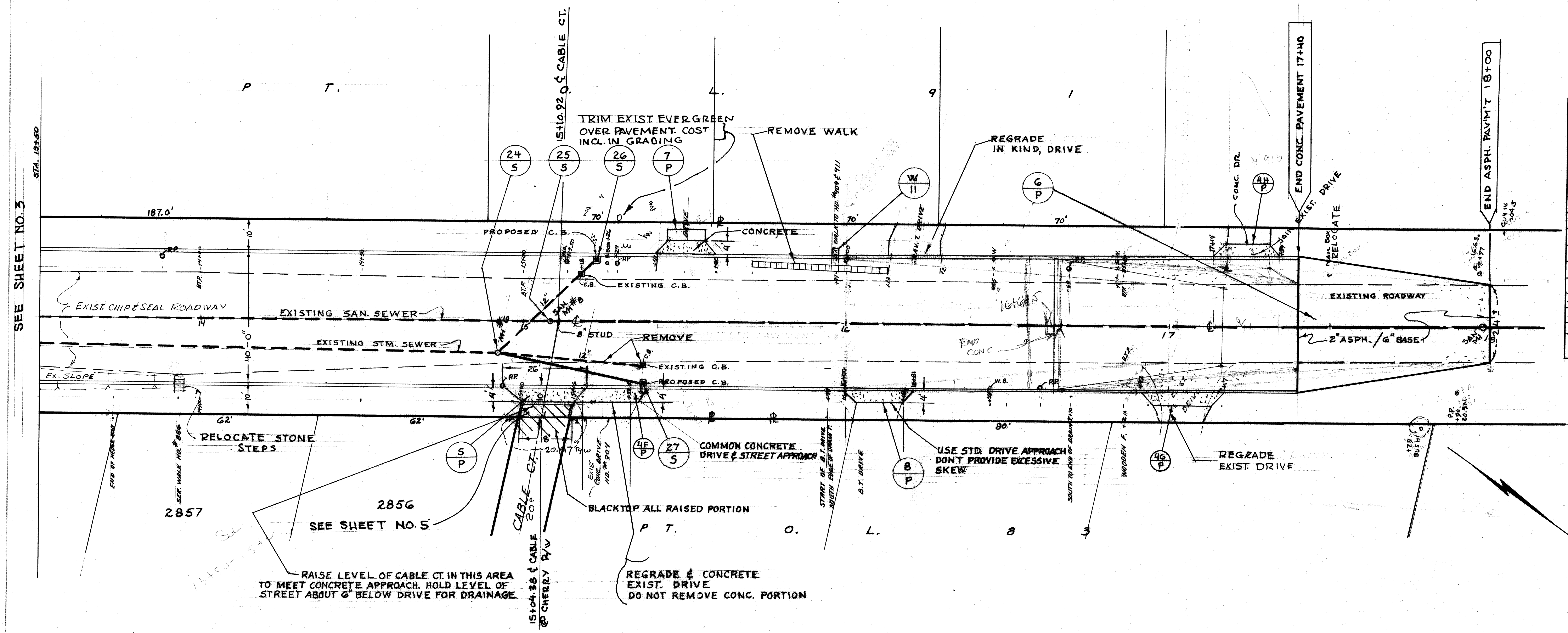
CITY ENG. ROBERT WAGONER

SCALE 1" = 20 FT. HOR.
1" = 2 FT. VERT.

10/27/69

SHEET 3

PLATE 4— CROSS SECTION O. P. R. & S. E. STANDARD
THE FREDERICK POST CO. CHICAGO

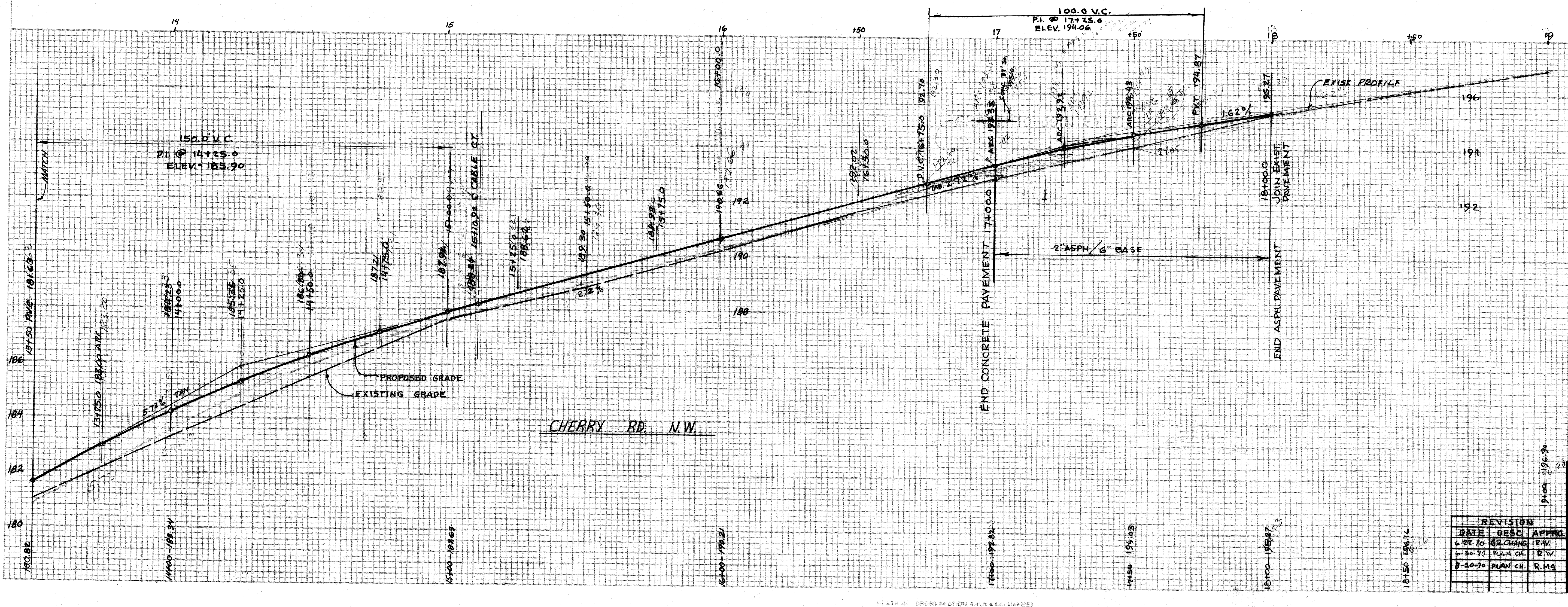

SEE SHEET NO. 3
STA. 13+50
P T. O. L. 9 1
15+10.92 ℄ CABLE CT.
TRIM EXIST. EVERGREEN OVER PAVEMENT. COST INCL. IN GRADING
REMOVE WALK
REGRADE IN KIND, DRIVE
END CONC. PAVEMENT 17+40
END ASPH. PAV'M'T 18+00
24/S
25/S
26/S
7/P
W/11
6/P
4H/P
187.0'
70'
PROPOSED C.B.
CONCRETE
EXISTING C.B.
EXIST. CHIP & SEAL ROADWAY
EXISTING SAN. SEWER
EXISTING STM. SEWER
SAN. MH #8
8" STUD
12"
REMOVE
EXISTING C.B.
PROPOSED C.B.
26'
EX. SLOPE
40'-0"
10'
4'
62'
80'
EXISTING ROADWAY
2" ASPH./6" BASE
JOIN EXIST. DRIVE
RELOCATE MAIL BOX
CONC. DR.
END CONC
16+64.5
14 15 16 17
RELOCATE STONE STEPS
END OF HEDGE ROW
SER. WALK HO. #886
5/P
CABLE CT. 20'
20.47' R/W
EXIST. CONC. DRIVE HO. #904
4F/P
27/S
COMMON CONCRETE DRIVE & STREET APPROACH
START OF B.T. DRIVE SOUTH EDGE OF DRAIN T.
B.T. DRIVE
8/P
USE STD. DRIVE APPROACH DON'T PROVIDE EXCESSIVE SKEW
SOUTH TO END OF DRAIN
WOODEN F.
4G/P
REGRADE EXIST. DRIVE
2857
2856
SEE SHEET NO. 5
BLACKTOP ALL RAISED PORTION
P T. O. L. 8 3
RAISE LEVEL OF CABLE CT. IN THIS AREA TO MEET CONCRETE APPROACH. HOLD LEVEL OF STREET ABOUT 6" BELOW DRIVE FOR DRAINAGE
15+04.38 ℄ CABLE @ CHERRY R/W
REGRADE & CONCRETE EXIST. DRIVE DO NOT REMOVE CONC. PORTION

ESTIMATED QUANTITIES & SEWER

REF. No.	STA TO STA	SIDE	603 CONDUIT TYPE B W/CL "B" BED'G 12"	604 ADJ. MH'S	604 STD. MASS. C. BASIN TYPE "A"	608 4" CONC. WALK	6" CONC. DRIVE	2" ASHP./6" BASE
24-S	14+92	RT.		1				
25-S	15+08	℄		1				
26-S	15+23	LT.	6'		1			
27-S	15+38	RT.	42'		1			
5-P	14+95 ~~15+39~~ 15+20	RT					~~184□~~ 88□	
6-P	15+00 17+00	℄						
7-P	15+41 15+00						~~144□~~ (56□)	
8-P	16+00 16+21	RT						
11-W	15+97	LT.				20□		
4F-P	15+20-15+37							
4H-P	17+14 17+34							
4G-P	16+92 17+17							

THE LOCATION, LENTH AND WIDTH AT ALL DRIVEWAYS SHALL BE DETERMINED IN THE FIELD BY THE ENGINEER.

189.955
BENCH MARK - S.S. OF CHERRY OPP. CABLE CT. N.W.


14 15 16 +50 17 +50 18 +50 19
MATCH
150.0' V.C.
P.I. @ 14+25.0
ELEV. = 185.90
13+50 P.V.C. 181.63
13+75.0 183.00 ARC.
14+00.0
14+25.0
14+50.0
14+75.0 187.21
15+00.0 187.94
15+10.92 ℄ CABLE CT.
15+25.0 188.62
15+50.0 189.30
15+75.0 189.98
16+00.0 190.66
16+50.0 192.02
5.72%
TAN
2.72%
PROPOSED GRADE
EXISTING GRADE
CHERRY RD. N.W.
100.0 V.C.
P.I. @ 17+25.0
ELEV. 194.06
P.V.C. 16+75.0 192.70
ARC. 193.35
CONC. 37' SQ.
ARC. 193.92
ARC. 194.43
P.V.T. 194.87
195.27
1.62%
EXIST. PROFILE
TAN. 2.72%
194.05
END CONCRETE PAVEMENT 17+00.0
18+00.0 JOIN EXIST. PAVEMENT
2" ASPH./6" BASE
END ASPH. PAVEMENT
180 182 184 186 188 190 192 194 196
180.82
14+00-183.34
15+00-187.63
16+00-190.21
17+00-192.82
17+50 194.03
18+00-195.27
18+50 196.16
19+00 196.90

CITY OF MASSILLON, OHIO

PAVING PLAN
CHERRY RD. N.W.

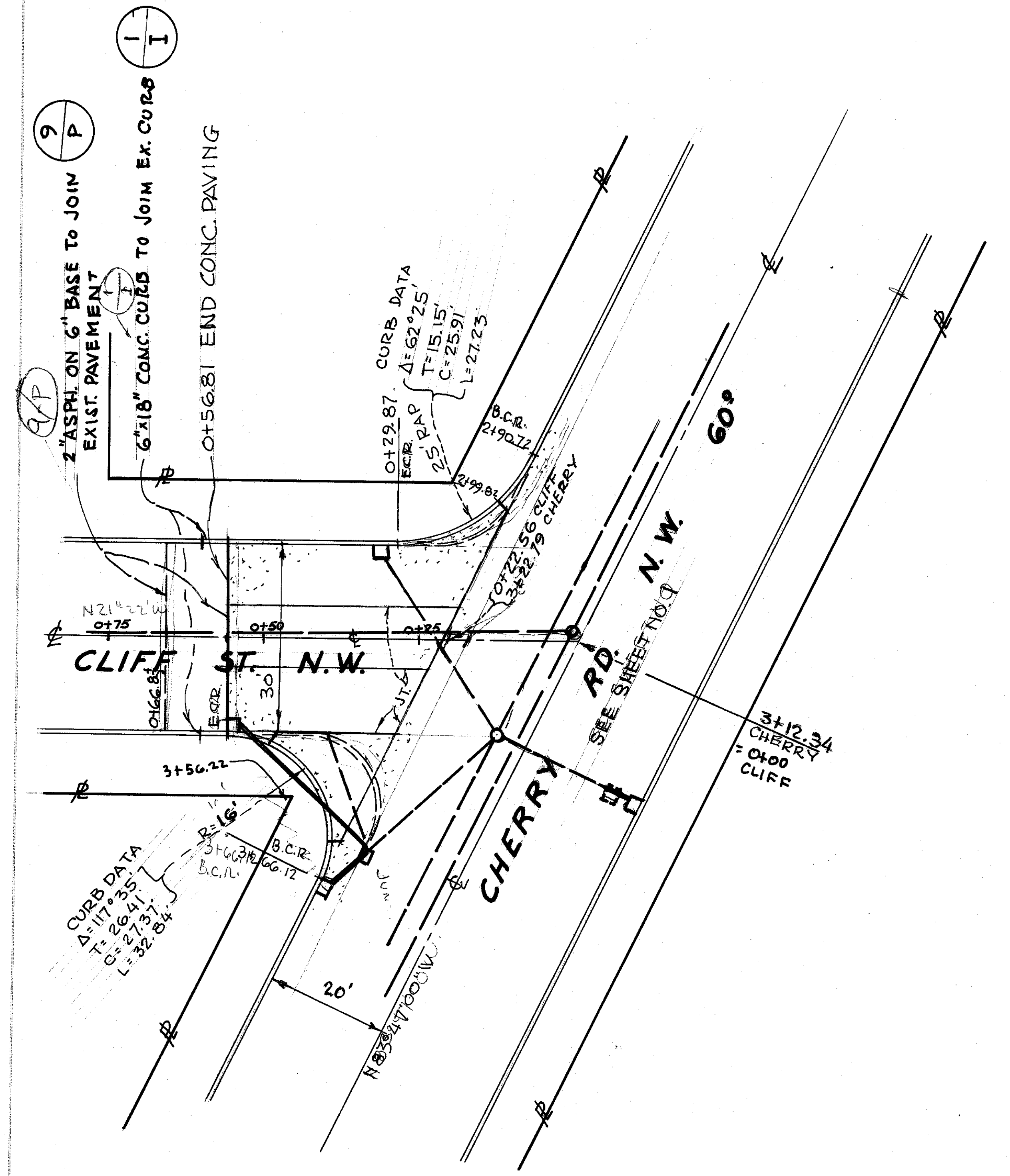
REVISION		
DATE	DESC.	APPRO.
6-22-70	GR. CHANG.	R.V.
6-30-70	PLAN CH.	R.V.
8-20-70	PLAN CH.	R.MC

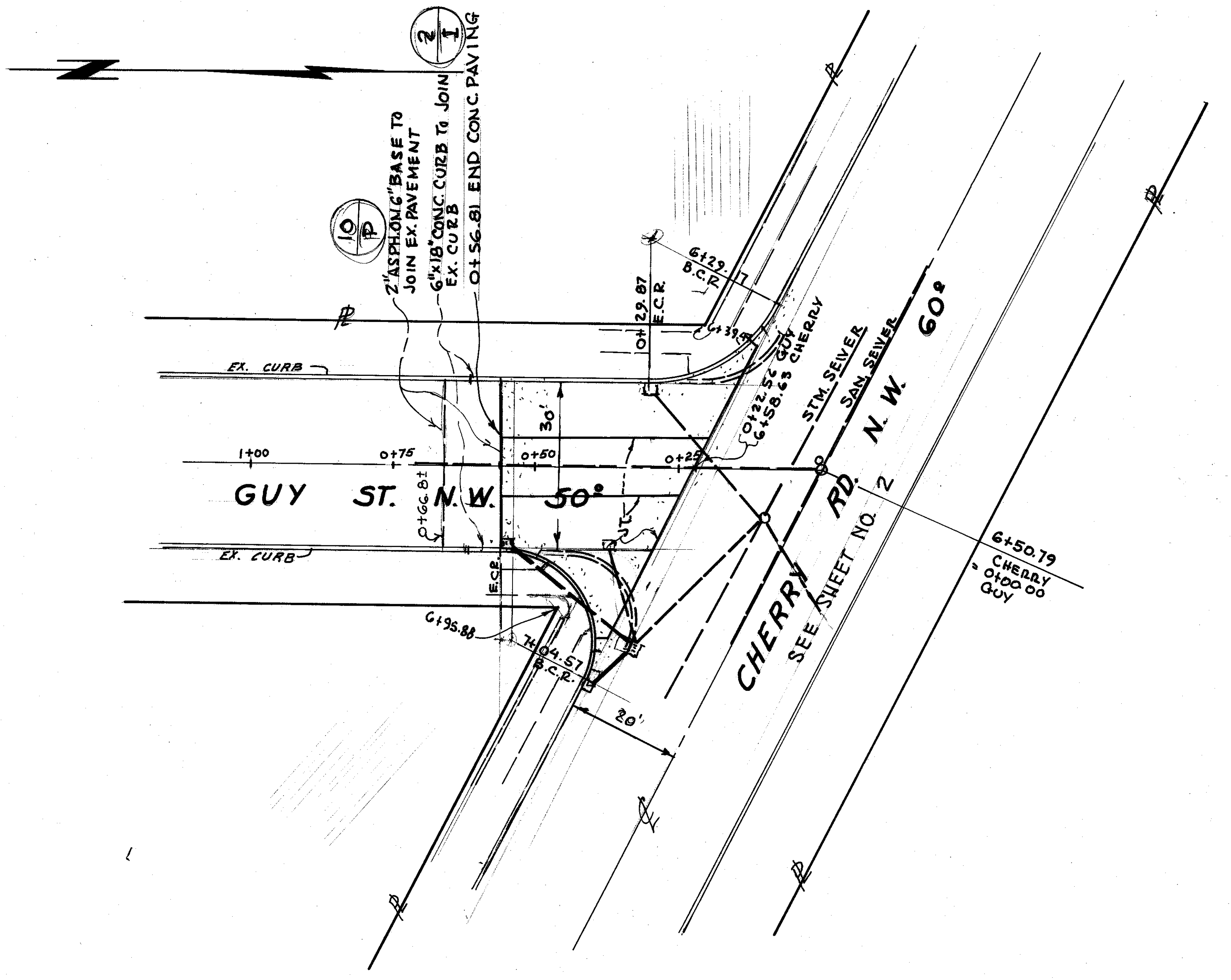
DR. BY RONNIE MCPHERSON
DEPT. OF PUBLIC SERVICE
ENGINEERING DIVISION
CITY ENG. ROBERT MCPHERSON
SCALE 1" = 20 FT HOR.
1" = 2 FT VERT.
10/27/69
SHEET
4

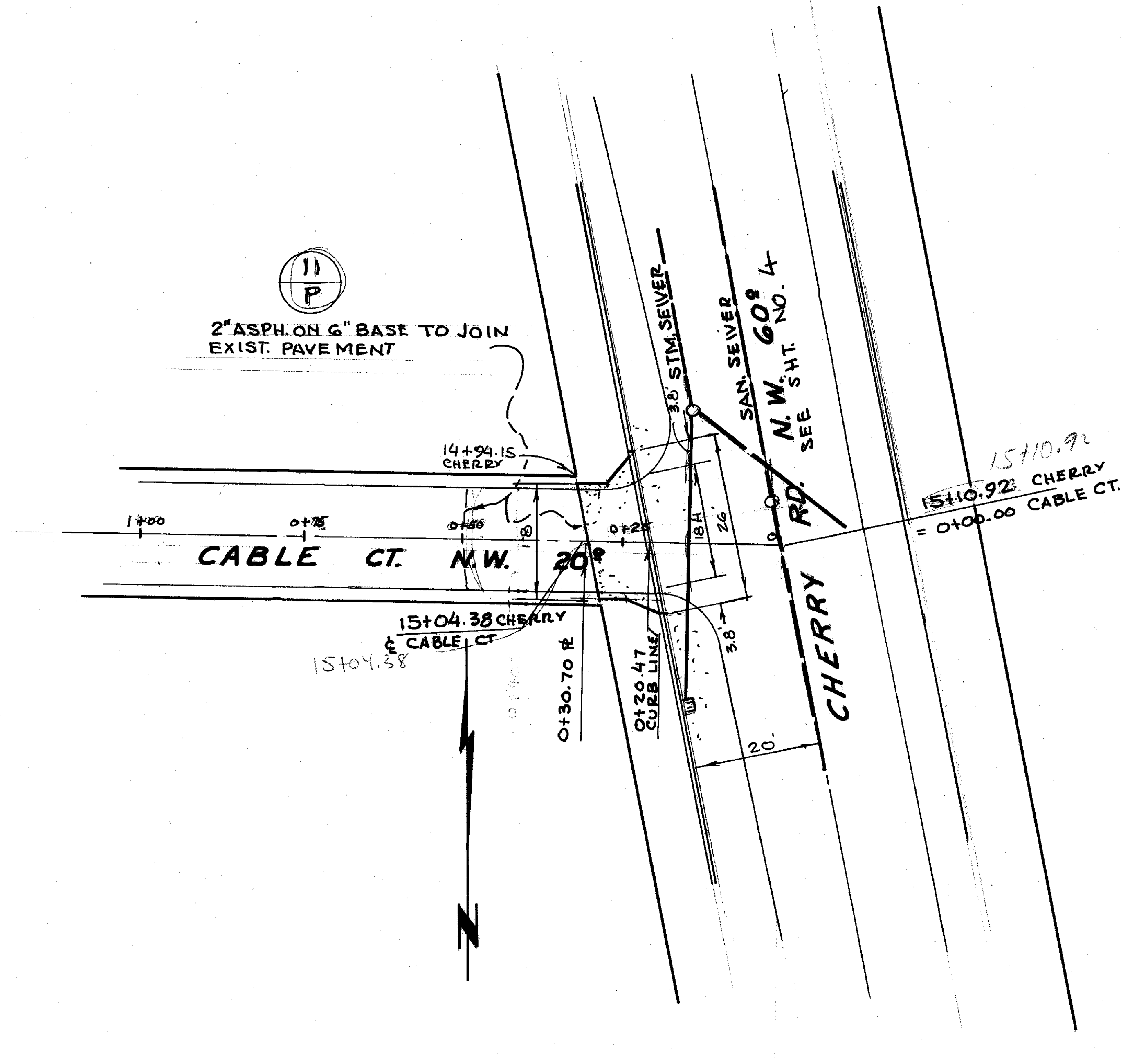
FINAL SURVEY
NOTE BOOK
NO.
PLOTTED
TEMPLATE
AREAS
AREAS CHECKED

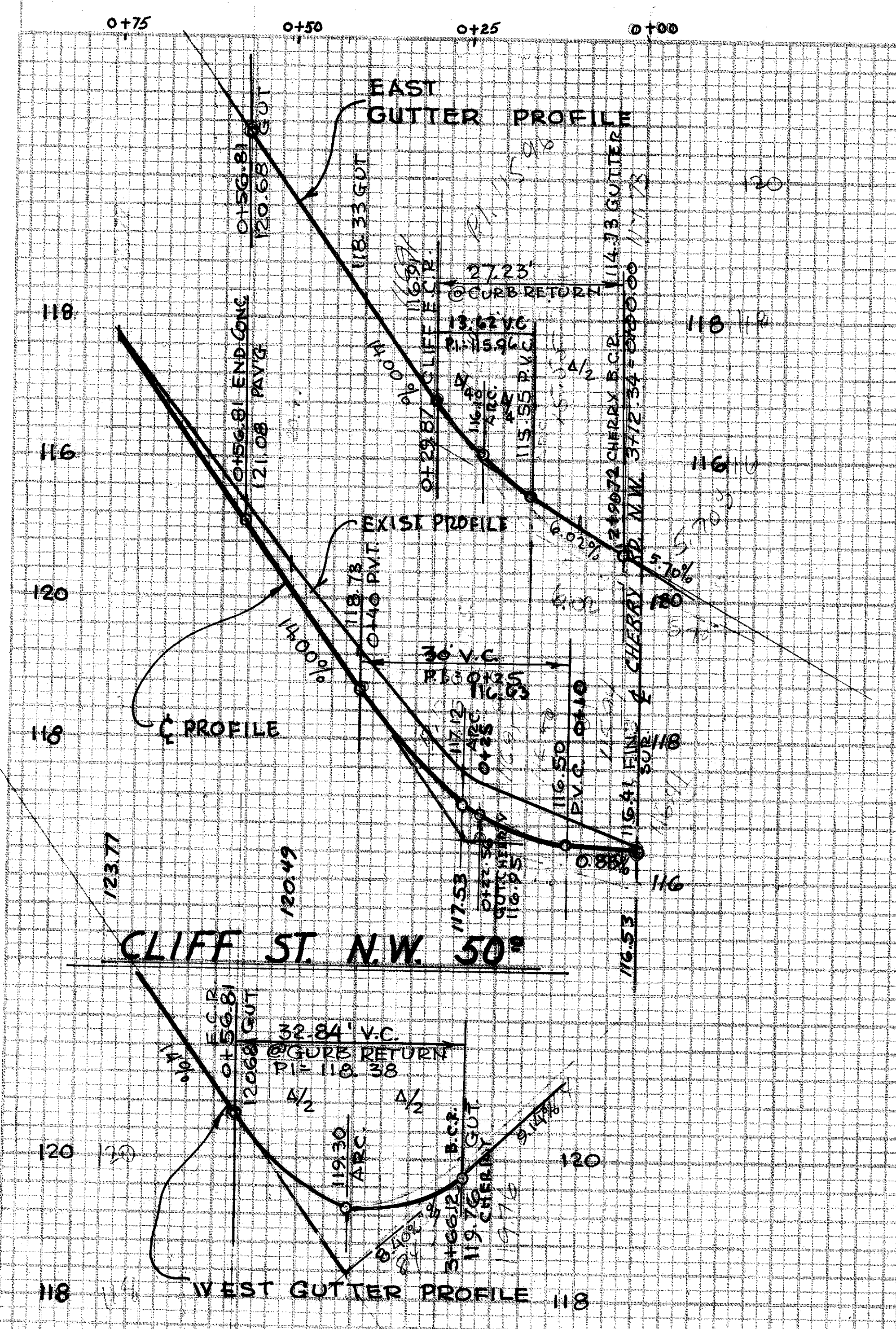
ORIGINAL SURVEY
NOTE BOOK
NO.
PLOTTED
TEMPLATE
AREAS
AREAS CHECKED

PLATE 4— CROSS SECTION O. P. R. & R. E. STANDARD
THE FREDERICK POST CO., CHICAGO

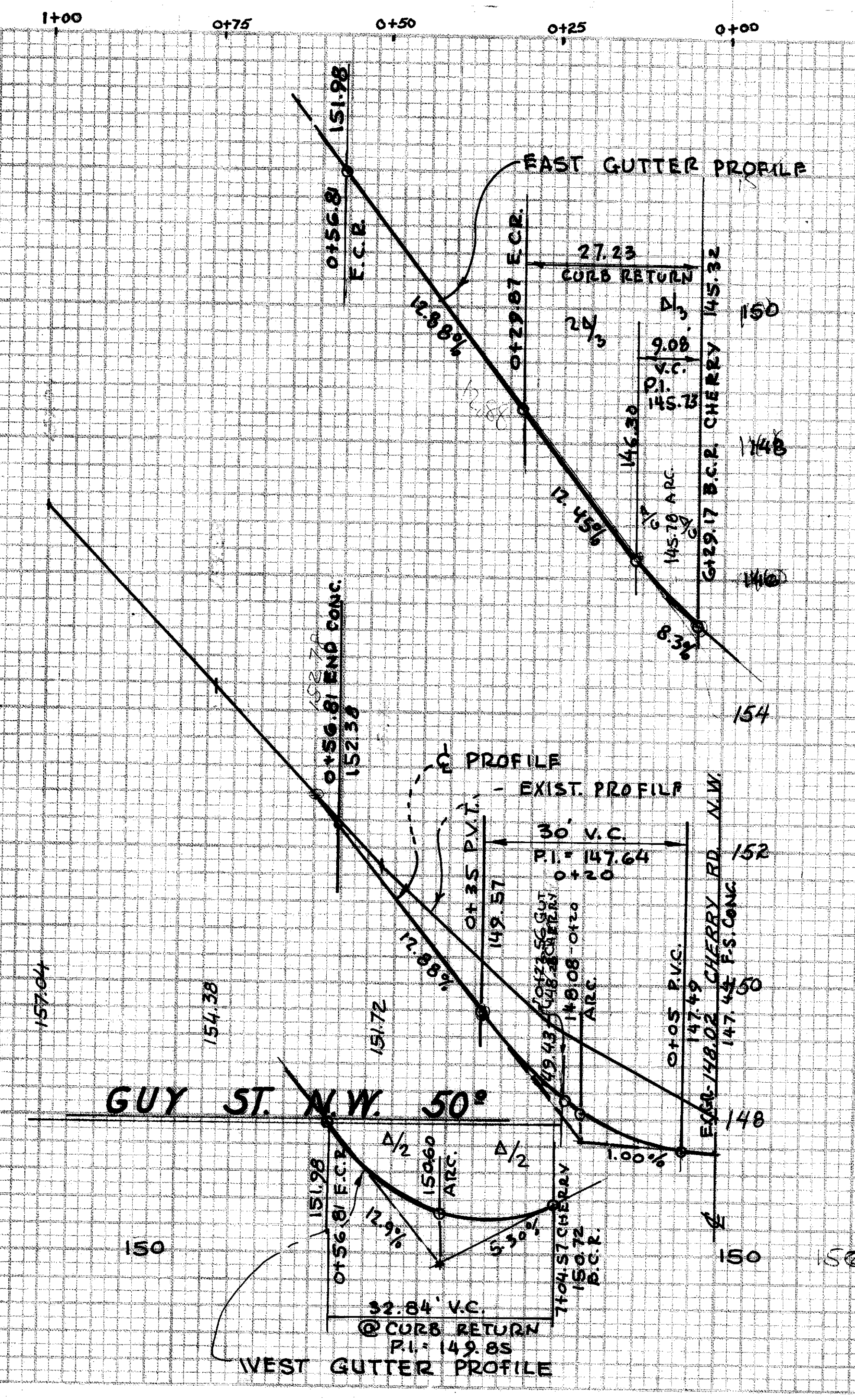

2" ASPH. ON 6" BASE TO JOIN EXIST. PAVEMENT
6"x18" CONC. CURB TO JOIN EX. CURB
0+56.81 END CONC. PAVING
CURB DATA
CLIFF ST. N.W.
CHERRY RD. N.W. 60'
SEE SHEET NO. 1
3+12.34 CHERRY = 0+00 CLIFF
20'


2" ASPH. ON 6" BASE TO JOIN EX. PAVEMENT
6"x18" CONC. CURB TO JOIN EX. CURB
0+56.81 END CONC. PAVING
EX. CURB
GUY ST. N.W. 50'
STM. SEWER
SAN. SEWER
CHERRY RD. N.W. 60'
SEE SHEET NO. 2
6+50.79 CHERRY = 0+00.00 GUY
20'

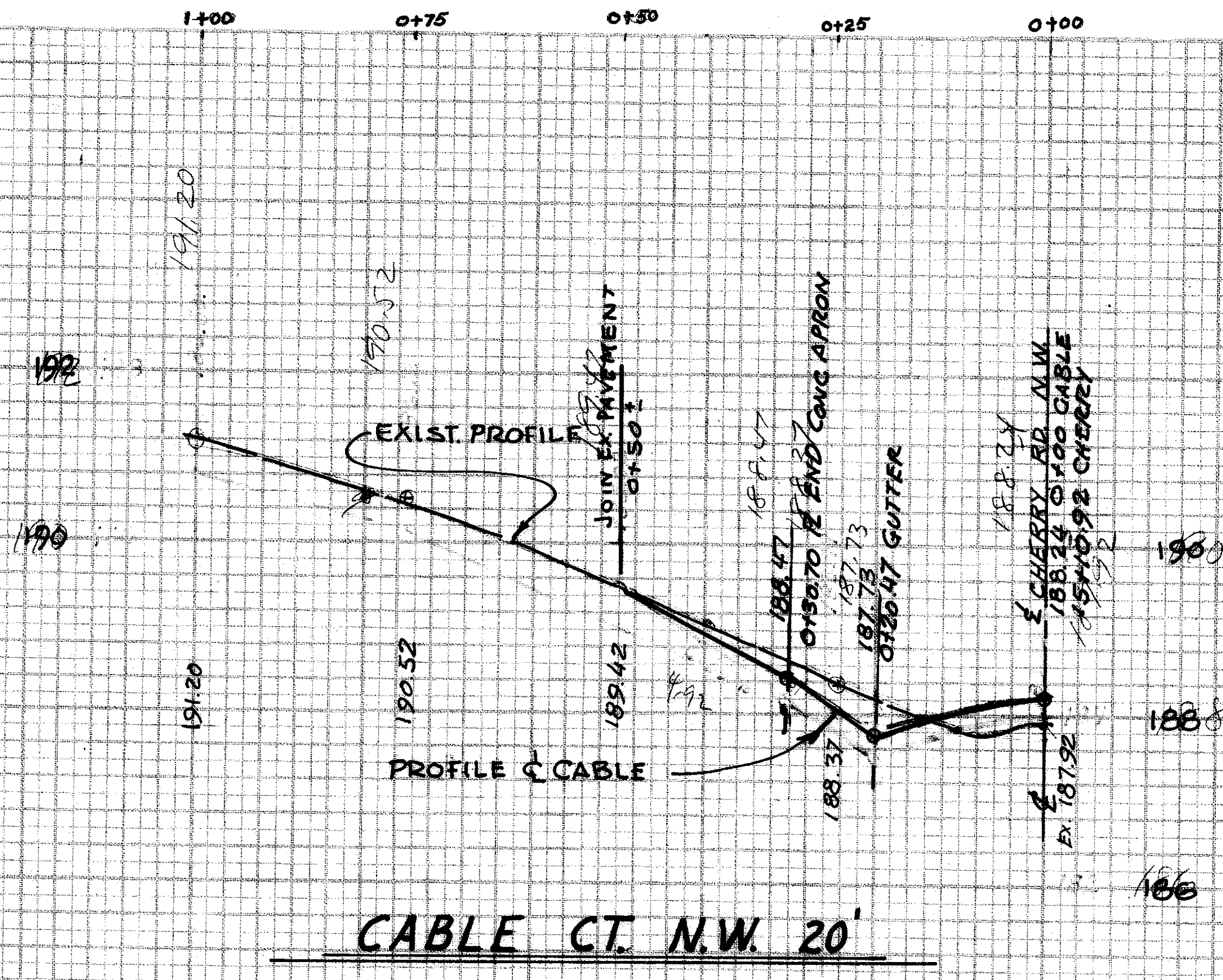

2" ASPH. ON 6" BASE TO JOIN EXIST. PAVEMENT
14+94.15 CHERRY
CABLE CT. N.W. 20'
15+04.38 CHERRY = CABLE CT.
15+10.92 CHERRY = 0+00.00 CABLE CT.
STM. SEWER
SAN. SEWER
N.W. 60' SEE SHT. NO. 4
CHERRY



CLIFF ST. N.W. 50'



GUY ST. N.W. 50'



CABLE CT. N.W. 20'

ESTIMATED QUANTIES				
REF. NO.	STA. TO STA.	2" ASPH. 6" BASE	CURB'G	
9-P	0+56.8 to 0+66.8 CLIFF	300□	—	
1-I	0+56.8-0+62± RT. & LT. CLIFF	—	12 L.F.	
10-P	0+56.8-0+66.8 GUY ST.	300□	—	
2-I	0+56.8-0+62± GUY ST.	—	12 L.F.	
11-P	0+30.7-0+50± CABLE	350□	—	

REVISIONS
6·19·70 GR. CLIFF R.V.

CITY OF MASSILLON, OHIO

PROFILES OF A PORTION OF

CLIFF ST. N.W., GUY ST. N.W., CABLE CT. OFF CHERRY RD. N.W.

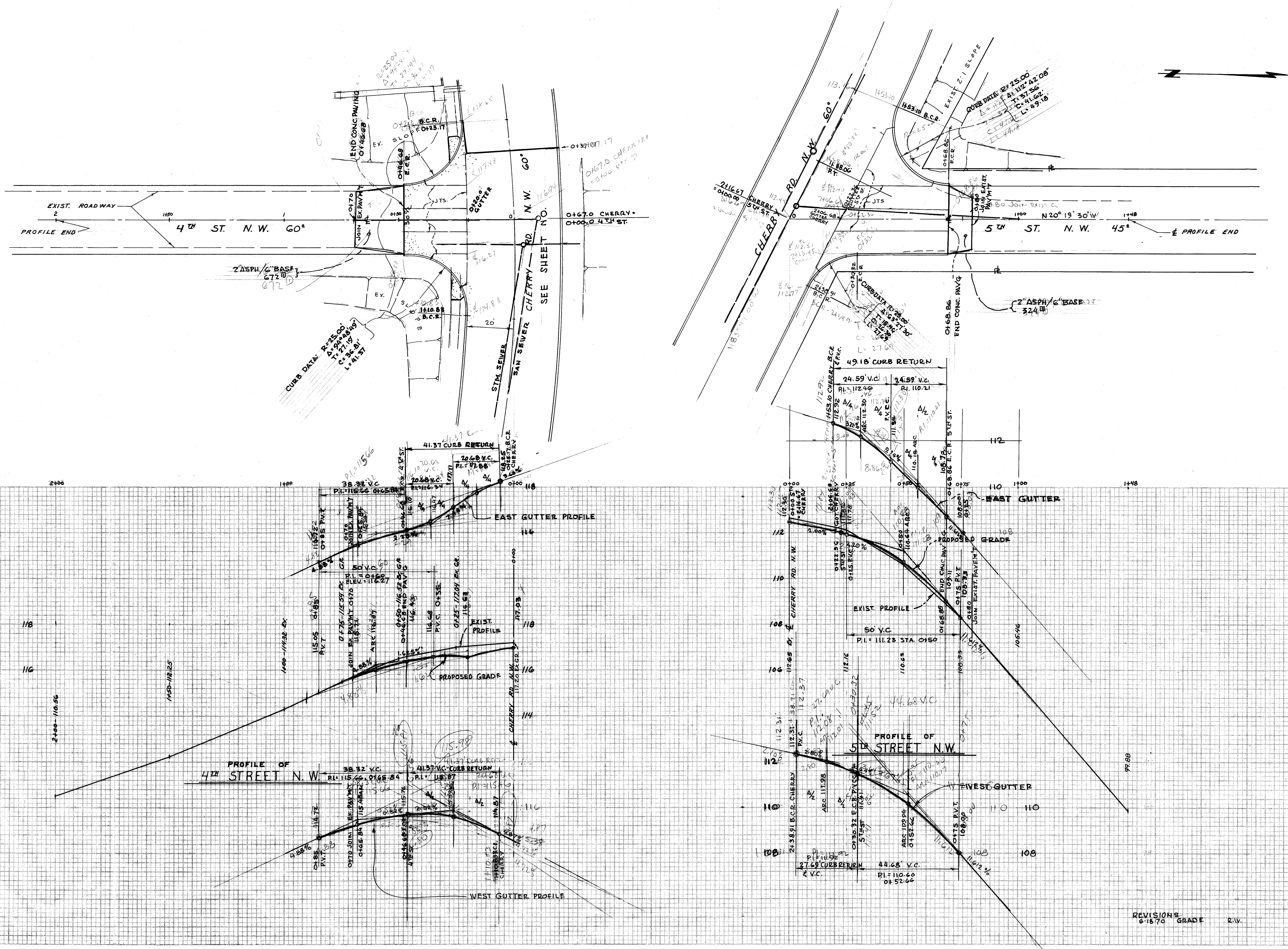
DR. BY- RONNIE McPHERSON | DEPT. OF PUBLIC SERVICE ENGINERRING DIVISION

CITY ENG. ROBERT WAGONER

SCALE 1"=20' HOZ. 1"=2' VERT. | 10/17/69

SHEET 5

THE FREDERICK POST CO. CHICAGO


EXIST. ROADWAY
PROFILE END
4TH ST. N.W. 60'
JOIN EX. PAVM'T
END CONC. PAVING 0+46.68
B.C.R. 0+23.17
EX. SLOPE
2"ASPH/6"BASE 672
CURB DATA: R=25.00' Δ=94°48'09" T=27.19' C=36.81' L=41.37
CHERRY RD. N.W. 60'
SEE SHEET NO.
STM. SEWER
SAN. SEWER
0+67.0 CHERRY = 0+00.0 4TH ST.
CHERRY RD. N.W. 60'
5TH ST. N.W. 45'
N 20° 19' 30" W
℄ PROFILE END
CURB DATA: R=25.00' Δ=112°42'08" T=37.56 C=41.62 L=49.18
EXIST. 2:1 SLOPE
1+53.10 B.C.R.
CURB DATA R=25.00
2"ASPH/6"BASE 324
END CONC. PAV'G
0+68.86
JTS
49.18' CURB RETURN
24.59' V.C.
P.I.=112.46
P.I.=110.21
EAST GUTTER PROFILE
41.37 CURB RETURN
38.32' V.C.
P.I.=115.66 0+65.84
20.68' V.C.
P.I.=117.88
50' V.C.
P.I.=0+50 ELEV.=116.27
EXIST. PROFILE
PROPOSED GRADE
PROFILE OF 4TH STREET N.W.
38.32' V.C.
P.I.=115.66 0+65.84
41.37' V.C. CURB RETURN
WEST GUTTER PROFILE
EAST GUTTER
PROPOSED GRADE
EXIST. PROFILE
50' V.C.
P.I.=111.23 STA. 0+50
℄ CHERRY RD. N.W.
PROFILE OF 5TH STREET N.W.
WEST GUTTER
27.69' CURB RETURN
44.68' V.C.
P.I.=110.60 0+52.66
118
116
114
112
110
108
106
2+00
1+00
0+00
1+48

REVISIONS
6·18·70 GRADE R.V.

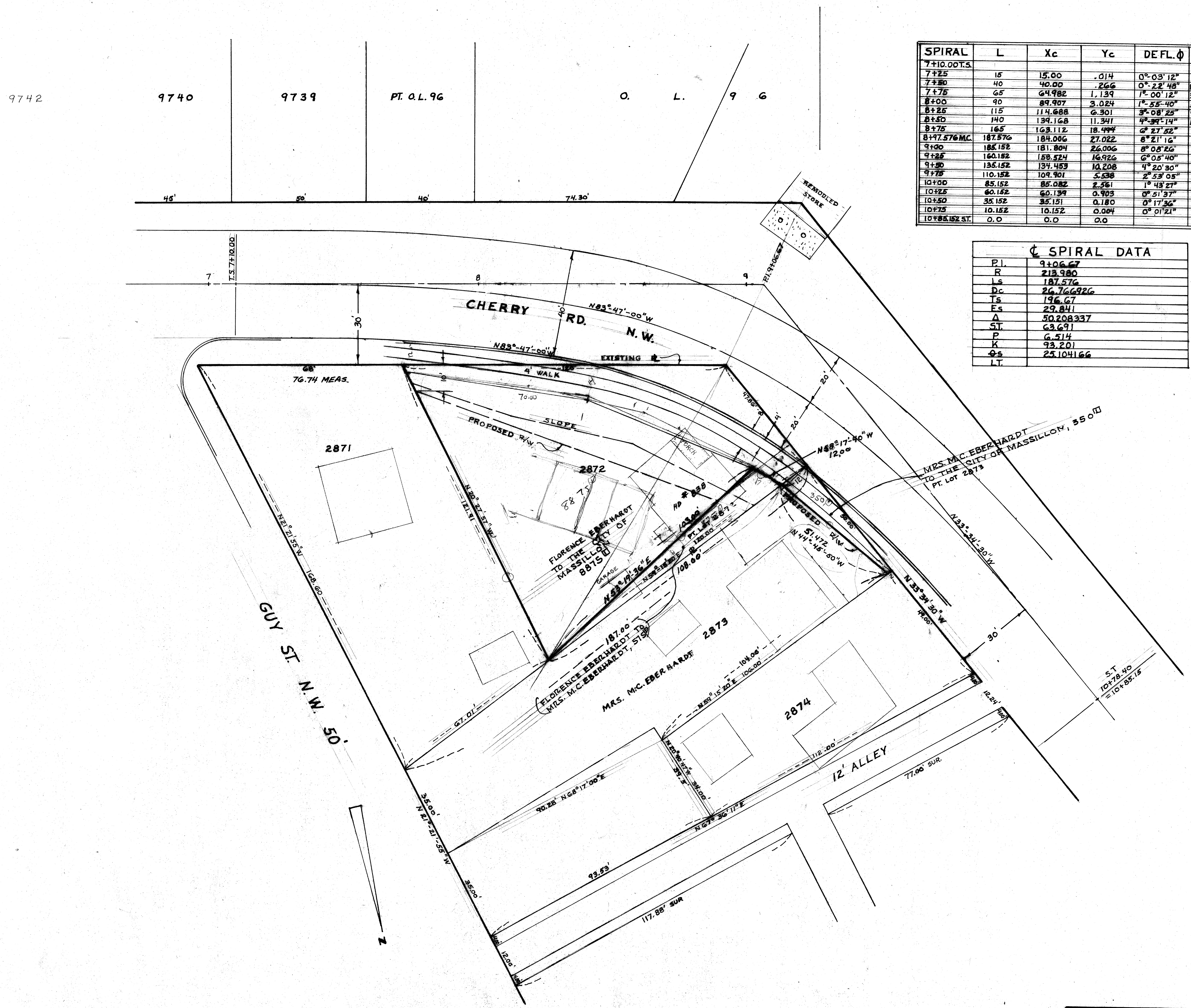
CITY OF MASSILLON, OHIO

PROFILES OF 4TH & 5TH ST. N.W.

DR BY - RONNIE MCPHERSON	DEPT. OF PUBLIC SERVICE ENGINERRING DIVISION
CITY ENG. - ROBERT WAGONER	SHEET 6
SCALE 1"=20FT HOZ. 1"=2' VERT.	10/15/69

PLATE 4 — CROSS SECTION C. F. & R.E. STANDARD
THE FREDERICK POST CO. CHICAGO

FILE Nº P·293 ACC. Nº 2517


9742
9740
9739
PT. O.L. 96
O. L. 96
45'
50'
40'
74.30'
REMODELED STORE
T.S. 7+10.00
7
8
9
P.I. 9+06.67
CHERRY RD. N.W.
30'
40'
N83°-47'-00"W
N83°-47'-00"W
EXISTING ℄
68'
76.74 MEAS.
4' WALK
70.00
SLOPE
PROPOSED R/W
2871
2872
8875
N20° 27' 57" W
121.91
PORCH
20'
20'
20'
4'
47.86'
N58°-17'-40"W
12.00
MRS. M.C. EBERHARDT TO THE CITY OF MASSILLON, 350☐
PT. LOT 2873
FLORENCE EBERHARDT TO THE CITY OF MASSILLON 8875☐
HD # 838
103.00'
PT. LOT 2873
120.00
108.00'
N53°-19'-36"E
GARAGE
350☐
PROPOSED R/W
51.472
N44°-45'-50"W
30.00
N33°-34'-30"W
N33°-34'-30"W
49.00'
187.00'
FLORENCE EBERHARDT TO MRS. M.C. EBERHARDT, 515☐
2873
MRS. M.C. EBERHARDT
104.00'
N59° 15' 20" E 106.00
2874
GUY ST. N.W. 50'
N21°-21'-55"W
168.60
67.01'
35.00'
N21°-21'-55"W
35.00'
90.28' N68°17'00"E
N20°40'47"W
39.5'
34.00'
N67° 36' 11" E
112.00'
12' ALLEY
77.00' SUR.
93.53'
117.88' SUR
12.00'
12.24'
4.00
30'
S.T. 10+78.40 =10+85.15
N

SPIRAL	L	Xc	Yc	DEFL. ϕ	θ	TAN
7+10.00T.S.						
7+25	15	15.00	.014	0°-03' 12"	.160536	
7+50	40	40.00	.266	0°-22' 48"	1.14159	
7+75	65	64.982	1.139	1°-00' 12"	3.01452	
8+00	90	89.907	3.024	1°-55-40"	5.77931	
8+25	115	114.688	6.301	3°-08' 25"	9.43598	
8+50	140	139.168	11.341	4°-39'-14"	13.98451	
8+75	165	163.112	18.494	6° 27' 52"	19.42491	
8+97.576M.C.	187.576	184.006	27.022	8° 21' 16"	25.10417	
9+00	185.152	181.804	26.006	8° 08' 26"	24.459516	.1430441
9+25	160.152	158.524	16.926	6° 05' 40"	18.300159	.1067724
9+50	135.152	134.453	10.208	4° 20' 30"	13.032727	.0759224
9+75	110.152	109.901	5.538	2° 53' 05"	8.657171	.0503908
10+00	85.152	85.082	2.561	1° 43' 27"	5.173466	.0301003
10+25	60.152	60.139	0.903	0° 51' 37"	2.581612	.0150152
10+50	35.152	35.151	0.180	0° 17' 36"	0.881633	.0051207
10+75	10.152	10.152	0.004	0° 01' 21"	0.073530	.0003940
10+85.152 S.T.	0.0	0.0	0.0			

℄ SPIRAL DATA	
P.I.	9+06.67
R	213.980
Ls	187.576
Dc	26.766926
Ts	196.67
Es	29.841
Δ	50.208337
S.T.	63.691
P.	6.514
K	93.201
θs	25.104166
LT.	

CITY OF MASSILLON, OHIO

PROPERTY MAP

ON SPIRAL CURVE
CHERRY RD. N.W.

DR. BY RONNIE MCPHERSON	DEPT. OF PUBLIC SERVICE ENGINEERING DIVISION			
CITY ENGINEER ROBERT WAGONER				F
APPRO. BY				
SCALE 1" = 20'	4 / 4 / 70			

REVISION		
DATE	DESC.	APPRO.

F

CHERRY ROAD N.W.
CROSS SECTION FROM
STATION 3+00 TO 4+50

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

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

So.
No.
2.5'
2.5'
130
125
125
120
115
120
115
110
105
128.73 BACK of WALK
128.53 T.C.
EDGE of ROAD 128.35
GUTTER 127.97
℄
129.00
P.-128.43
(NOTE: ℄ BASED ON 28.75' EXT. ROADWAY)
128.70 EDGE of B.T.
128.27 GUTTER
PROP.
EX. SECT.
131.21 RETAINING WALL
129.61
BACK of WALK
STATION 4+50
BACK of WALK 123.51
T.C. 123.51
DITCH
EDGE of ROAD 123.04
122.52
123.64
℄ 123.83
P- 123.48
(NOTE: ℄ BASED ON 30.75' EXT. ROADWAY)
EDGE OF ROAD
122.99
PROP.
122.34
EX. SECT.
T.C. 124.14
123.58
125.95
RETAING WALL
124.35
STATION 4+00
118.11 BACK OF WALK
T.C. 118.89
118.65
117.50 GUTTER
℄
119.05
P-118.79
118.79
(NOTE: ℄ BASED ON 34.0' EXT ROADWAY
EX. SECT.
PROP.
CURB & GUTTER
119.21
118.50
T.C. 118.89
118.31
BACK OF WALK
120.50
122.1
RETAINING WALL
STATION 3+50
BACK OF WALK
115.29
T.C. 115.78
115.78
CURB & GUTTER
114.83
115.43
P- 115.68
115.68'
℄
(NOTE: ℄ BASED ON 37.5' EXT. ROADWAY)
EX. SECT.
PROP.
T.C. 115.78
115.90
CURB & GUTTER
114.83
116.14 BACK OF WALK
STATION 3+00
NO.
S35
S30
S25
S20 SOUTH EAST
S15
S10
S5
0
N5
N10
N15
N20 NORTH EAST
N25
N30
N35

SCALE 1"=2.5'

FROM STA. 0+00 to 3+00
SECTIONS NOT INCLUDED
PROPOSED SECTIONS SIMILAR
TO EXISTING.

SHEET "A"

PLATE 3—CROSS SECTION O. P. R. & R. E. STANDARD
100% RAG PAPER—MADE AND PRINTED IN U. S. A.
THE FREDERICK POST CO., CHICAGO

SHEET "A"

CHERRY ROAD N.W.
CROSS SECTION FROM
STATION 5+00 TO 7+50

2.5'
2.5'
153.60 BACK OF WALK
T.C. 153.93
153.79 DITCH
154.03 EDGE PAVEMENT
℄ 154.42
℄ 153.57
P. 153.57
EXISTING G.
153.81 EDGE PAVEMENT
153.64 DITCH
TRANS INTO SUPEREL.
T.C. 153.58
157.75 TOP RET. WALL
153.75 BACK OF WALK
(℄ BASED ON 28.5' EXISTING PAVEMENT)
PROPOSED G.
STATION 7+50
155
153
150
151.8 BACK OF WALK
T.C. 150.94
151.20 ℄
P. 150.84
EXISTING G.
(℄ BASED ON 27.6' EXISTING PAVEMENT)
PROPOSED G.
T.C. 150.94
156.21 TOP RET. WALL
151.21 BACK OF WALK
STATION 7+00
152
150
146.86 BACK OF WALK
147.71 ℄
P. 147.33
EXISTING G.
(℄ BASED ON 28' EXISTING PAVEMENT)
PROPOSED G.
INTERSECTION GUY ST. N.W. 6+50
148
145
142.46 BACK OF WALK
143.86 ℄
P. 143.17
(℄ BASED ON 36' EXISTING PAVEMENT)
144.52 TOP RET. WALL
143.38 BACK OF WALK
STATION 6+00
143
139.18 BACK OF WALK
139.08 ℄
P. 138.32
(℄ BASED ON 34' EXISTING PAVEMENT)
141.6 TOP RET. WALL
139.16 BACK OF WALK
STATION 5+00
140
135
134.05 BACK OF WALK
T.C. 133.47
GUTTER
EDGE PAVEMENT
134.06 ℄
P. 133.37
(℄ BASED ON 27' EXISTING PAVEMENT)
GUTTER
EDGE OF PAVEMENT
T.C. 133.47
135.99 TOP RET. WALL
134.49 BACK OF WALK
STATION 5+00
135
130
S10
S5
0
N5
N10
N15
SHEET "B"

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

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

PLATE 3–CROSS SECTION O. P. R. & R. E. STANDARD
100% RAG PAPER–MADE AND PRINTED IN U. S. A.
THE FREDERICK POST CO., CHICAGO

SHEET "B"