CITY OF MASSILLON, OHIO

# 17TH STREET S.W.

## PHASE 1

## PAVING, RESURFACING, WIDENING, CURB & GUTTER, STORM SEWER

### INDEX OF SHEETS

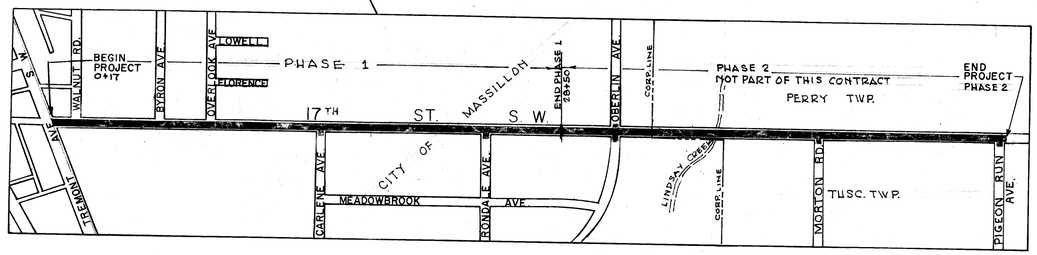

1. 17TH STREET STA. 0+00 TO STA. 4+00
2. 17TH STREET STA. 4+00 TO STA. 8+00
3. 17TH STREET STA. 8+00 TO STA. 12+50
4. 17TH " STA. 12+50 TO STA. 17+00
5. 17TH " STA. 17+00 TO STA. 21+00
6. 17TH " STA. 21+00 TO STA. 25+00
7. 17TH " STA. 25+00 TO STA. 29+50
8. TREMONT & WALNUT INTERSECTIONS
9. BYRON & OVERLOOK INTERSECTIONS
10. CARLENE & RONDALE INTERSECTIONS & DRIVEWAY DETAILS
11-21. 17TH STREET CROSS SECTIONS
22. TYPICAL SECTIONS


### LINE DATA

BEGIN WORK . . . . STA. 0+00
BEGIN PROJECT . . . . STA. 0+17
END PROJECT . . . . STA. 28+50
END WORK . . . . STA. 29+50
LENGTH OF PROJECT. 0.537 MILES
LENGTH OF WORK . . 0.559 MILES

MARK ROSS.....MAYOR
BLASE SPARMA.....SAFETY SERVICE DIR.
ROBERT WAGONER.....CITY ENGINEER

### SITE MAP




### 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.

#### ESTIMATE 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 THE 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 17TH ST. S.W. AT ALL TIMES
PEDESTRIAN TRAFFIC SHALL BE MAINTAINED AT ALL TIMES.

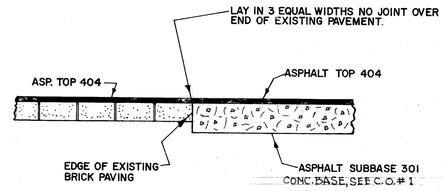
#### REMOVAL OF EXISTING PIPE

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.

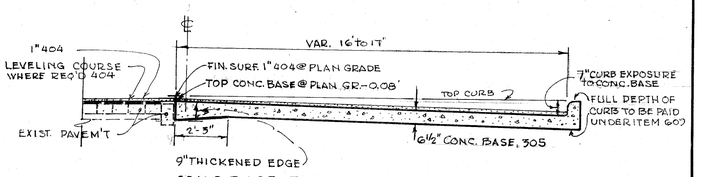
### GENERAL NOTES CON'T.

TOTAL THICKNESS OF PAVEMENT TO BE USED IS 1"-404 & 6½"-301

1. PROVIDE OPENINGS FOR DOWN SPOUTS IN EACH LOT OR AS DIRECTED BY ENGINEER, ALSO ADDITION OPENING, INCLUDE IN CURB PRICE.
2. ALL CONC. WORK TO BE 6 BAG MIX AND LIMESTONE AGGEGRATE.
3. ASPHALT 404 MUST BE LAID IN THREE EQUAL WIDTHS.— (SEE PAVEMENT DETAILS.)
4. THE NATIVE MATERIAL ADJACENT TO THE EXISTING BRICK PAVEMENT MUST BE THROUGHLY COMPACTED WITH A RUBBER TIRE ROLLER ALL METHODS & TYPE OF EQUIPMENT MUST BE APPROVED BY THE ENGINEER.
5. EDGE OF OLD PAVEMENT MUST NOT BE REMOVED WHEN EXCAVATING FOR BASE, IF REMOVED IT SHALL BE REPLACED WITH CONCRETE AS DIRECTED BY ENGINEER AT CONTRACTORS OWN EXPENSE.
6. CYLINDER TESTS ARE TO BE TAKEN AS ORDERED BY ENGINEER, CONTRACTOR IS TO FURNISH ALL NECESSARY CYLINDERS FOR TESTS AND TO PROVIDE ADEQUATE STORAGE OF TEST CONES UNTIL TAKEN TO TESTING LABORATORY BY CONTRACTOR, TESTS TO BE PAID BY CONTRACTOR.
7. TACK COAT TO BE APPLIED AS DIRECTED BY ENGINEER.— RC 70 OR 250 VERTICAL EDGES OF GUTTER MANHOLES HORIZONTAL SURFACE OF PAVEMENT ETC.
8. ALL EXISTING SANITARY DITCHES RECOMPACTED AS REQUIRED BY ENGINEER.
9. ALL MATERIALS 301, 404, CONCRETE ETC. AND METHODS OF APPLICATION, CONSTRUCTION ETC. USED ON THIS JOB MUST MEET THE LATEST STATE OF OHIO DEPT. OF HIGHWAYS SPECIFICATIONS.
10. ALL DITCHES TO BE COMPACTED PER SPECIFICATIONS, IF UNSUITABLE MATERIAL IS ENCOUNTED, DITCHES TO BE FILLED WITH SUITABLE MATERIAL AT ENGINEER SPECIFICATIONS.
11. CONTRACTOR SHALL PAY THE CITY'S INSPECTORS FOR ALL WORK BEFORE 7:30 A.M. AND AFTER 4:00 P.M. MONDAY THRU 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.
12. ON BARE BRICK USE SS-1 EMULSION WITH 5% RUBBER SOLIDS.
13. USE RUBBER TIRE ROLLER ON 301 (STATE SPEC'S 401 APPLY ON ROLLING)
14. 404 SHALL BE DRIVEWAY MIX WITH 6.5 TO 6.7% ASPHALT CONTENT.
15. TREES THAT NEED REMOVAL WILL BE TOPPED BY POWER CO., REMAINDER OF TREE WILL BE REMOVED BY CONTRACTOR.
16. STREET SIGNS, STOP SIGNS DAMAGED BY CONTRACTOR TO BE REPLACED BY CONTRACTOR AT HIS EXPENSE.
17. ALL HYDRANTS & WATER BOXES TO BE REPLACED BY OTHERS.

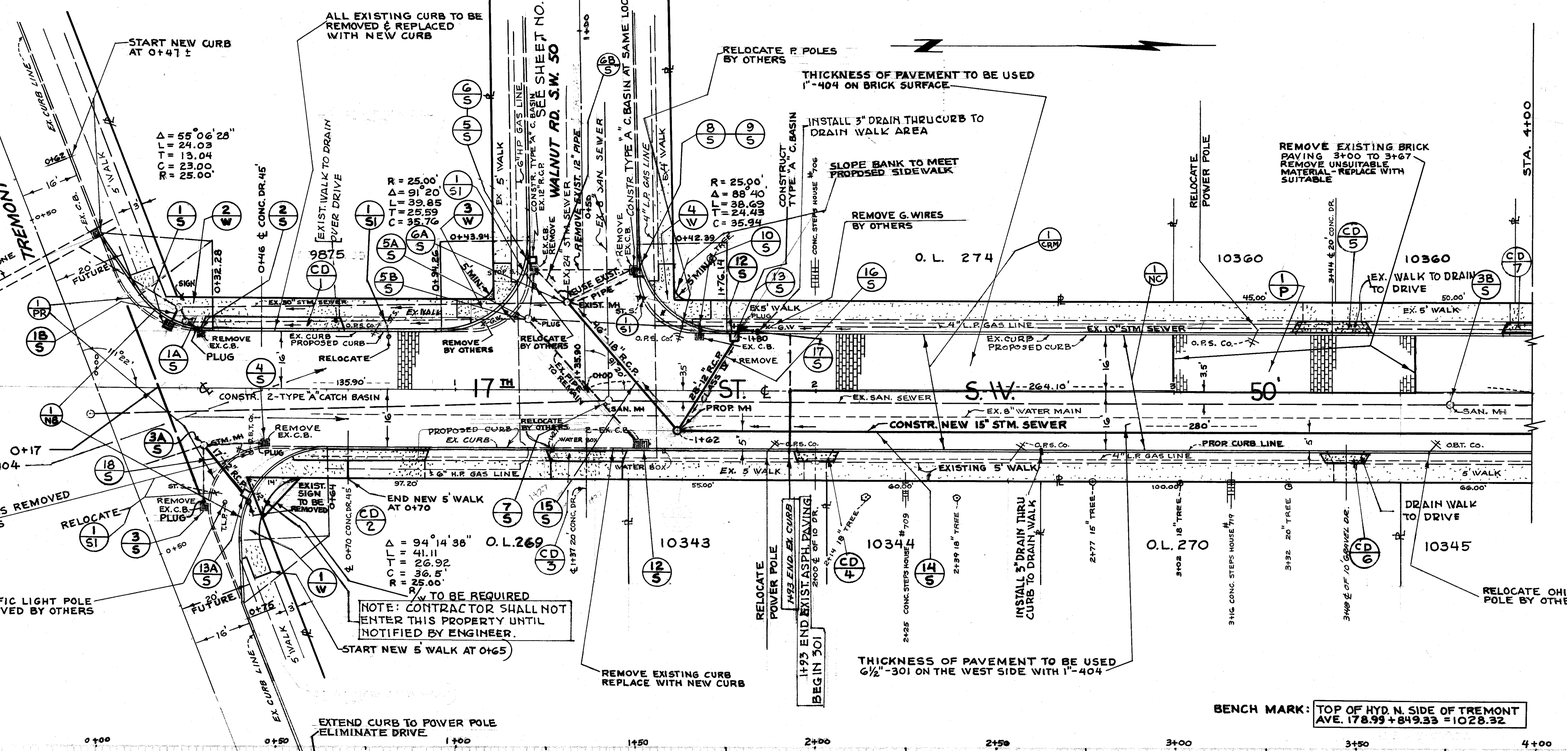



PAVEMENT DETAILS




CONC. BASE, 305 CHANGE ORDER NO. 1
SCALE 1" = 3'

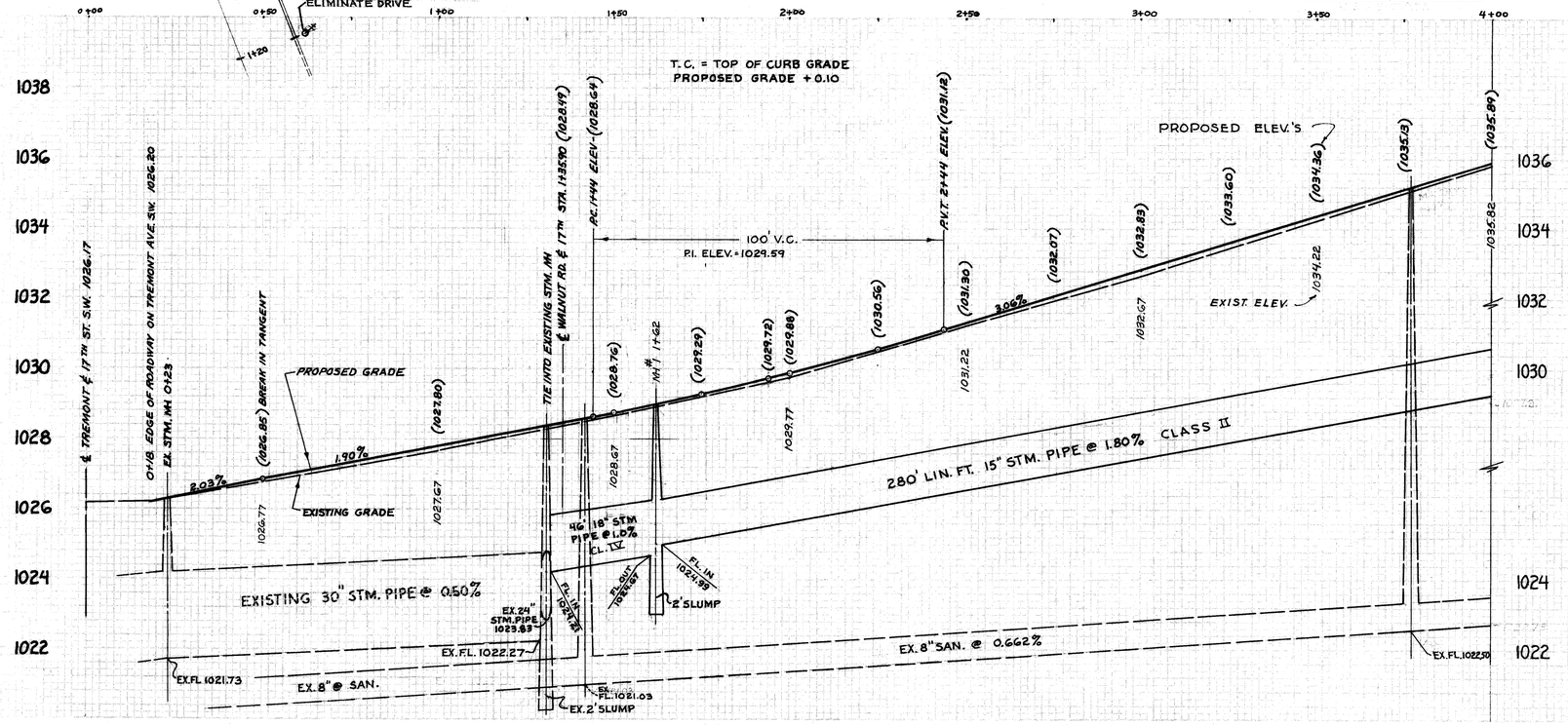
M-659 ACC. NO. 2562




BENCH MARK: TOP OF HYD. N. SIDE OF TREMONT AVE. 178.99 + 849.33 = 1028.32

## ESTIMATED QUANTITIES

| REF NO | STA. TO STA. | SIDE | CONDUIT TYPE 'B' W/CLB 603 | ADJ. MH'S | STD. MASS C.B. | 4" CONC. WALK | REMOVE C. BASIN |
|---|---|---|---|---|---|---|---|
| 1-W | 0+65 TO 0+70 | RIGHT | | | TYPE 'A' | 172 ⁵/FT. | |
| 2-W | 0+11 TO 0+32 | LEFT | | | | 115 ⁵/FT. | |
| 3-W | 1+00 TO 1+16 | LEFT | | | | 85 ⁵/FT. | |
| 4-W | 1+56 TO 1+65 | LEFT | | | | 85 ⁵/FT. | |
| 1-S | 0+21 | LEFT | | 1 | | | |
| 1A-S | 0+25 | LEFT | | 1 | | | |
| 1B-S | 0+22 TO 0+25 | LEFT | 5' OF 12" PIPE TIE INTO EXIST. 30" STORM | | | | |
| 2-S | 0+28 | LEFT | | | | | 1 |
| 3-S | 0+29 | RIGHT | | | | | 1 |
| 3A-S | 0+30 | RIGHT | | RAISE MH | | | |
| 3B-S | 3+77 | ROADWAY | | 1 | | | |
| 4-S | 0+48 | RIGHT | | | | | 1 |
| 5-S | 1+22 | LEFT | | | | | 1 |
| 5A-S | 1+20 | LEFT | | RAISE MH | | | |
| 5B-S | 1+21 | ROADWAY | PLUG 10" STORM SEWER | | | | |
| 6-S | 1+22 | LEFT | | | 1 | | |
| 6A-S | 1+31 | ROADWAY | | RAISE MH | | | |
| 6B-S | 1+22 | ROADWAY | 4' OF 12" PIPE | | | | |
| 7-S | 1+42 | ROADWAY | | 1 | | | |
| 8-S | 1+51 | LEFT | | | | | 1 |
| 9-S | 1+51 | LEFT | | | 1 | | |
| 10-S | 1+68 | LEFT | | | | | 1 |
| 11-S | 1+61 | ROADWAY | NEW MANHOLE | | | | |
| 12-S | 1+80 | LEFT | | | 1 | | |
| 13-S | 1+80 | LEFT | TIE NEW C.B. INTO OLD 10" STORM - 5' OF 10" VIT. | | | | |
| 13A-S | 0+42 | | | | 1 | | |
| 14-S | 1+62 TO 4+00 | ROADWAY | 15" R.C.P. - 238' | | | | |
| 15-S | 1+31 TO 1+61 | ROADWAY | 46' OF 18" R.C.P. | | | | |
| 16-S | 1+62 TO 1+80 | ROADWAY | 28' OF 12" R.C.P. | | | | |
| 17-S | 1+80 | | 5' OF 12" TIE C.B. INTO EX. 10" STM. SEWER | | | | |
| 1-CRM | 0+00 TO 4+00 | BOTH SIDES | 615 LIN. FT. - CURBING REMOVED | | | | |
| 18-S | 0+41 | RIGHT | TIE C.B. INTO STM. MH 17'-12" R.C.P. | | | | |
| 1-S1 | 0+00 TO 4+00 | BOTH SIDES | RELOCATE ~~5~~ | | | | |
| 1-P | 3+00 TO 3+67 | ROADWAY | 120 SQ YDS. COMPACTION | | | | |
| 1-CD | 0+27 - 0+47 | LEFT | | | | 170 LIN 6" CONC. DR. | |
| 2-CD | 0+55 - 0+90 | RIGHT | | | | 150 LIN 6" CONC. DR. | |
| 3-CD | 1+22 - 1+42 | RIGHT | | | | 77 LIN 6" CONC. DR. | |
| 4-CD | 1+95 - 2+05 | RIGHT | | | | 40 LIN 6" CONC. DR. | |
| 1-NC | 885' OF NEW CURB REQD FROM 0+00 TO 4+00 BOTH SIDES | | | | | | |
| 5-CD | 3+34 - 3+54 | LEFT | | | | 77 LIN 6" CONC. DR. | |
| 6-CD | 3+43 - 3+53 | RIGHT | | | | 40 LIN 6" CONC. DR. | |
| 7-CD | 3+95 - 4+05 | LEFT | | | | 40 LIN 6" CONC. DR. | |
| 1-PR | 0+07 | ROADWAY | | | | 69.2 SQ YD - PAVEMENT REMOVAL | |
| 1-NB | 0+07 | ROADWAY | | | | 69.2 SQ YD - 8" CONC. BASE | |




| REVISION | | |
|---|---|---|
| DATE | DESC. | APPROV. |
| 6-29-72 | DRIVES | R.F.W. |
| | | |
| | | |
| | | |

CITY OF MASSILLON, OHIO

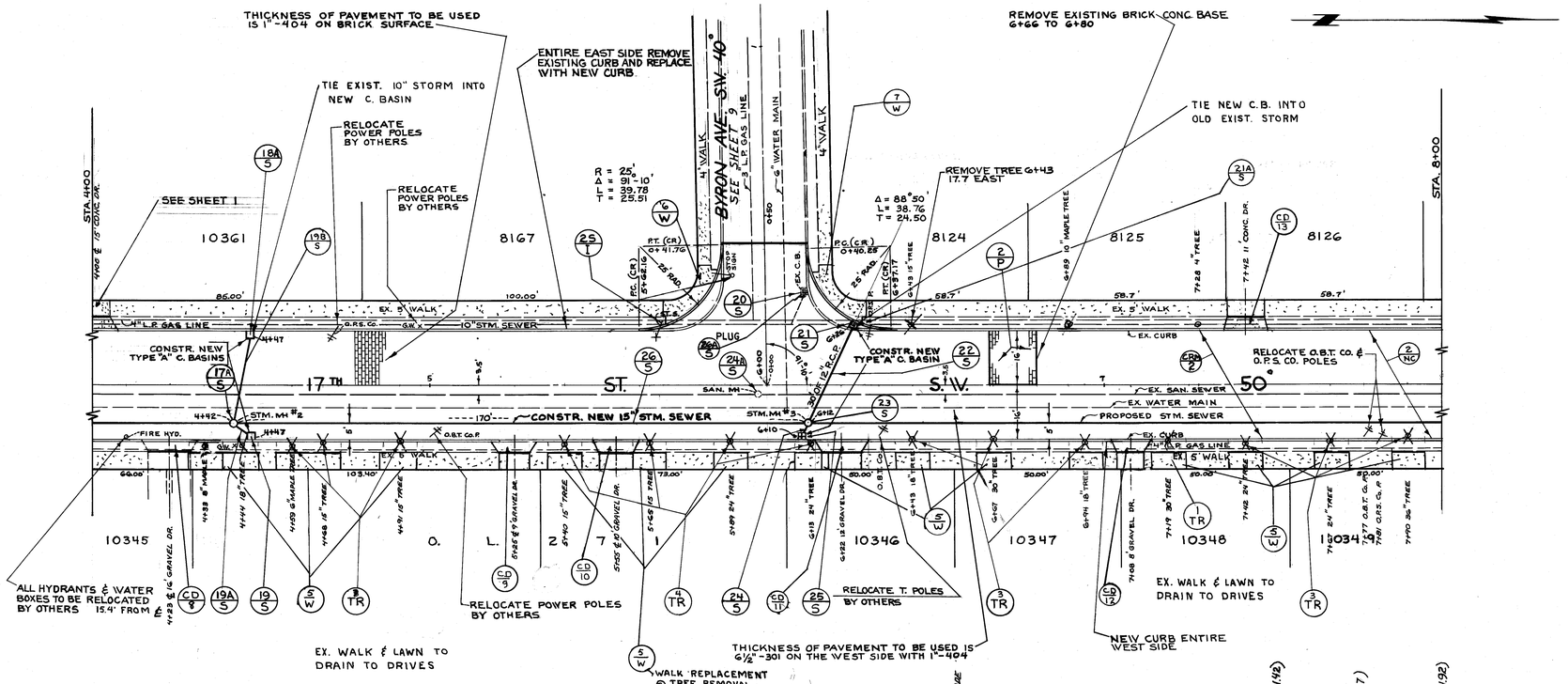
# PLAN & PROFILE
## 17TH ST. S.W. FROM STA. 0+00 TO 4+00

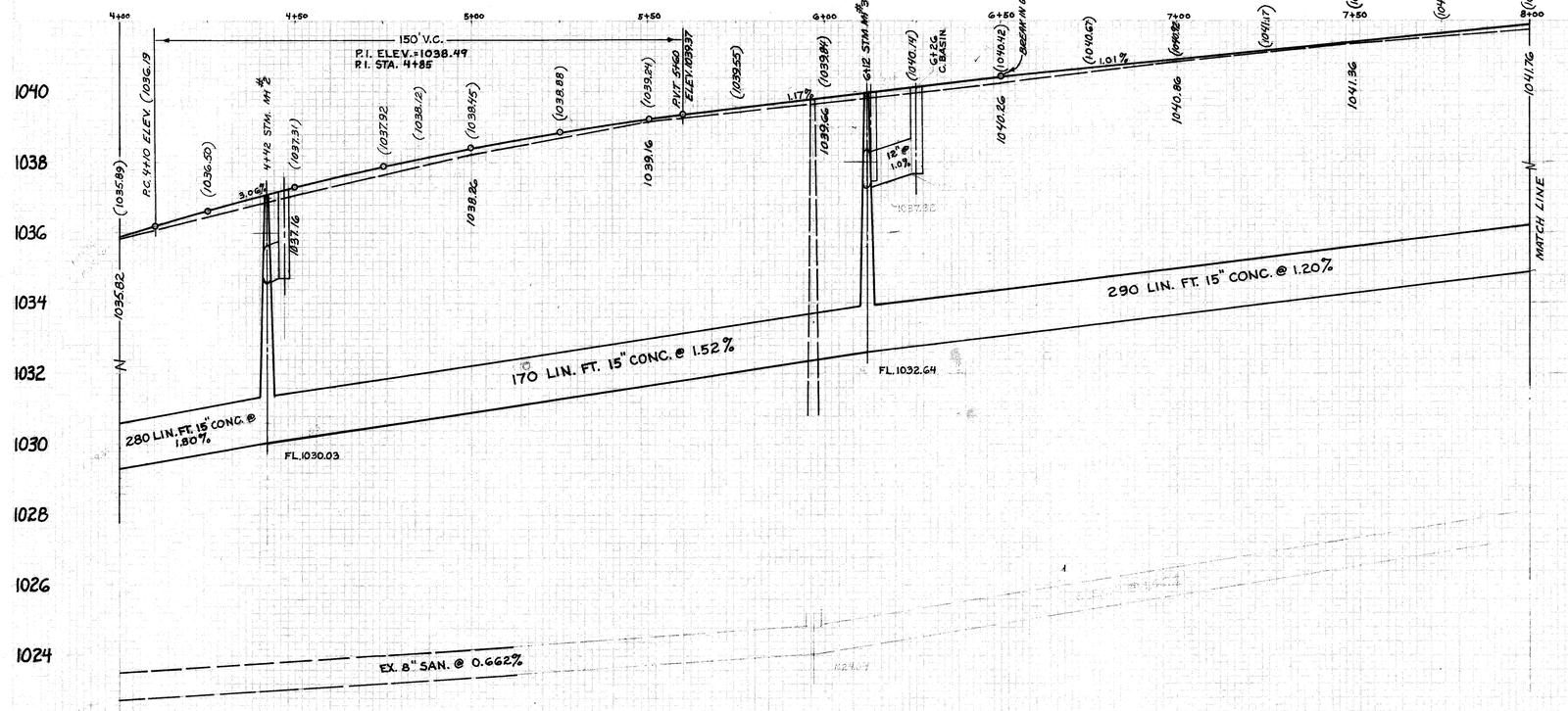
DR BY RONNIE MCPHERSON | DEPT. OF PUBLIC SERVICE ENGINEERING DIVISION

CITY ENG. ROBERT WAGONER | SHEET 1

SCALE 1"=20' HORZ. 1"=2 VERT. | DATE / /72

M-659 ACC. No. 2562




## ESTIMATED QUANTITIES

| REF NO. | STA. TO STA. | SIDE | CONDUIT TYPE "B" | ADJ. MH | TYPE "A" C.B. | 4" CONC. WALK | REMOVE C. BASIN | NEW MH |
|---|---|---|---|---|---|---|---|---|
| 17-AS | 4+42 | IN ROADWAY | | | | | | 1 |
| 18-AS | 4+47 | LEFT | | | 1 | | | |
| 19-BS | 2.5' OF 12" R.C.P. CLASS II | | | | | | | |
| 19-S | 4+47 | RIGHT | | | 1 | | | |
| 19A-S | 4+42 TO 4+47 | RIGHT | 5'-12" R.C.P. | | | | | |
| 19C-S | 5' OF 10" V.S.P. | | | | | | | |
| 20-S | 6+15 | LEFT | | | | | 1 | |
| 21-S | 6+27 ± | LEFT | | | 1 | | | |
| 21-AS | 5' OF 10" V.S.P. | | | | | | | |
| 22-S | 6+12 TO 6+26 | LEFT | 30'-12" R.C.P. | | | | | |
| 23-S | 6+12 | IN ROADWAY | | | | | | 1 |
| 24-AS | 5+97 | IN ROADWAY | | 1 | | | | |
| 24-S | 6+15 | RIGHT | 5'-12" R.C.P. | | | | | |
| 25-S | 6+15 | RIGHT | | | 1 | | | |
| 26-S | 4+00 TO 8+00 | ROADWAY | 400'-15" R.C.P. | | | | | |
| 26A-S | 6+15 | LEFT | PLUG | | | | | |
| CD-1 | 4+23 | RIGHT | 52 SQ. FT. OF 6" CONC. | | | | | |
| 2-CRM | 4+00 TO 8+00 | LEFT | 424' OF CURB REMOVAL | | | | | |
| 2-SI | 4+00 TO 8+00 | BOTH SIDES - REMOVE RELOCATE SIGNS | | | | | | |
| 2-P | 6+66 TO 6+80 | LEFT | 25 SQ YDS. OF COMPACTION | | | | | |
| TR | MEAN TREE REMOVAL 15 TREES REMOVED | | | | | | | |
| SW | REPLACE 10' SECTION OF WALK AT TREE REMOVAL | | | | | | | |
| 6W | 5+70-5+85 | 100' OF 4" WALK | | | | | | |
| 7W | 6+13-6+30 | 100' OF 8" WALK | | | | | | |
| CD-8 | 4+23 RT. | 64 □' OF 6" CONC. | | | | | | |
| CD-9 | 5+25 RT. | 40 □' OF 6" CONC. | | | | | | |
| CD-10 | 5+55 RT. | 40 □' OF 6" CONC. | | | | | | |
| CD-11 | 6+22 RT. | 50 □' OF 6" CONC. | | | | | | |
| CD-12 | 7+08 RT. | 40 □' OF 6" CONC. | | | | | | |
| CD-13 | 7+42 LT. | 44 □' OF 6" CONC. | | | | | | |
| 2-NC | 4+00-8+00 | 824' OF NEW CURB BOTH SIDES | | | | | | |

CITY OF MASSILLON OHIO

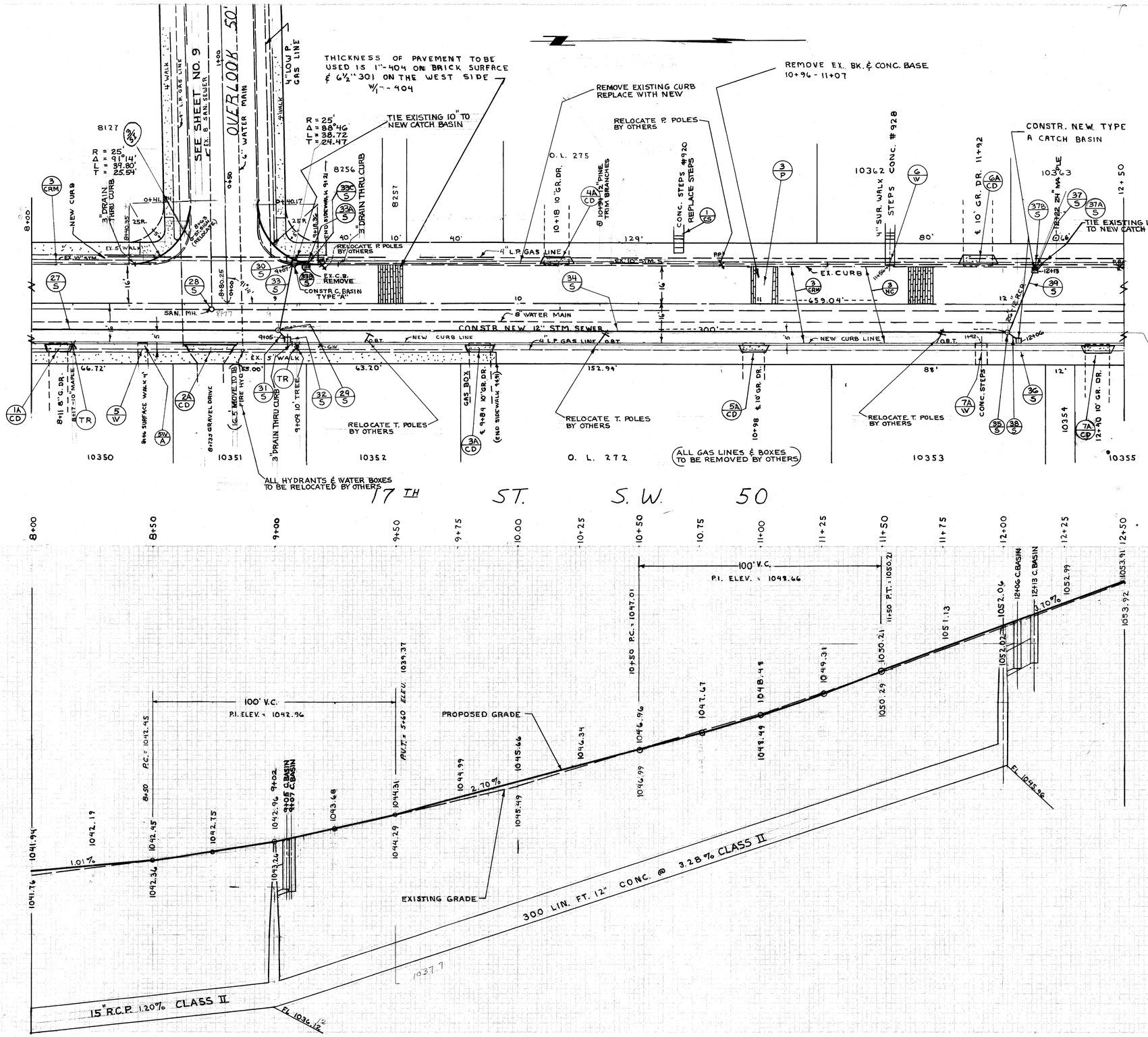
# PLAN & PROFILE 17TH ST. S.W. FROM STA. 4+00 TO 8+00

DR BY-RONNIE MCPHERSON | DEPT. OF PUBLIC SERVICE ENGINEERING DIVISION

CITY ENG. ROBERT WAGONER

SCALE 1"=20' HORZ. 1"=2' VERT. | DATE 1/72 | SHEET 2

M-G59 ACC. Nº 2562

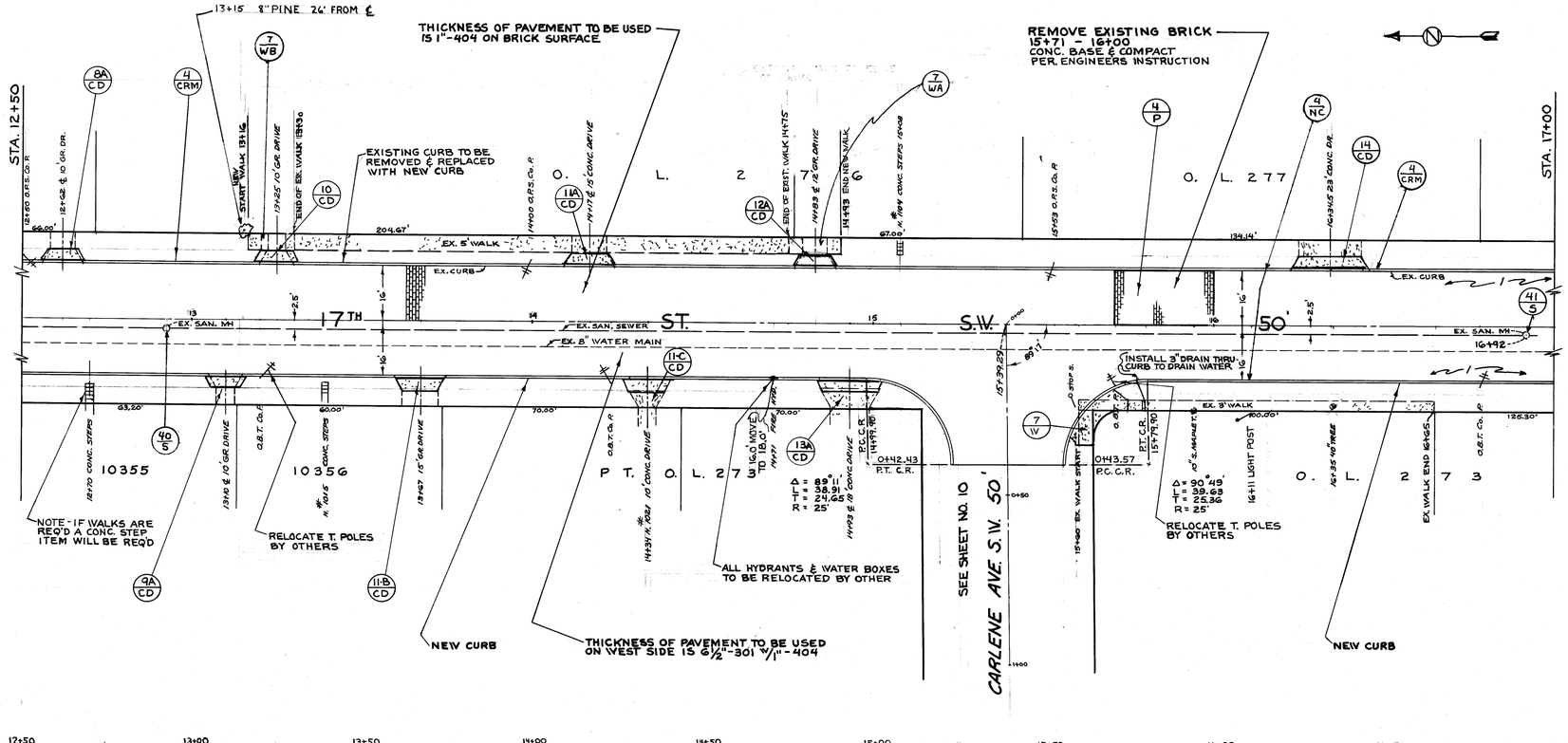


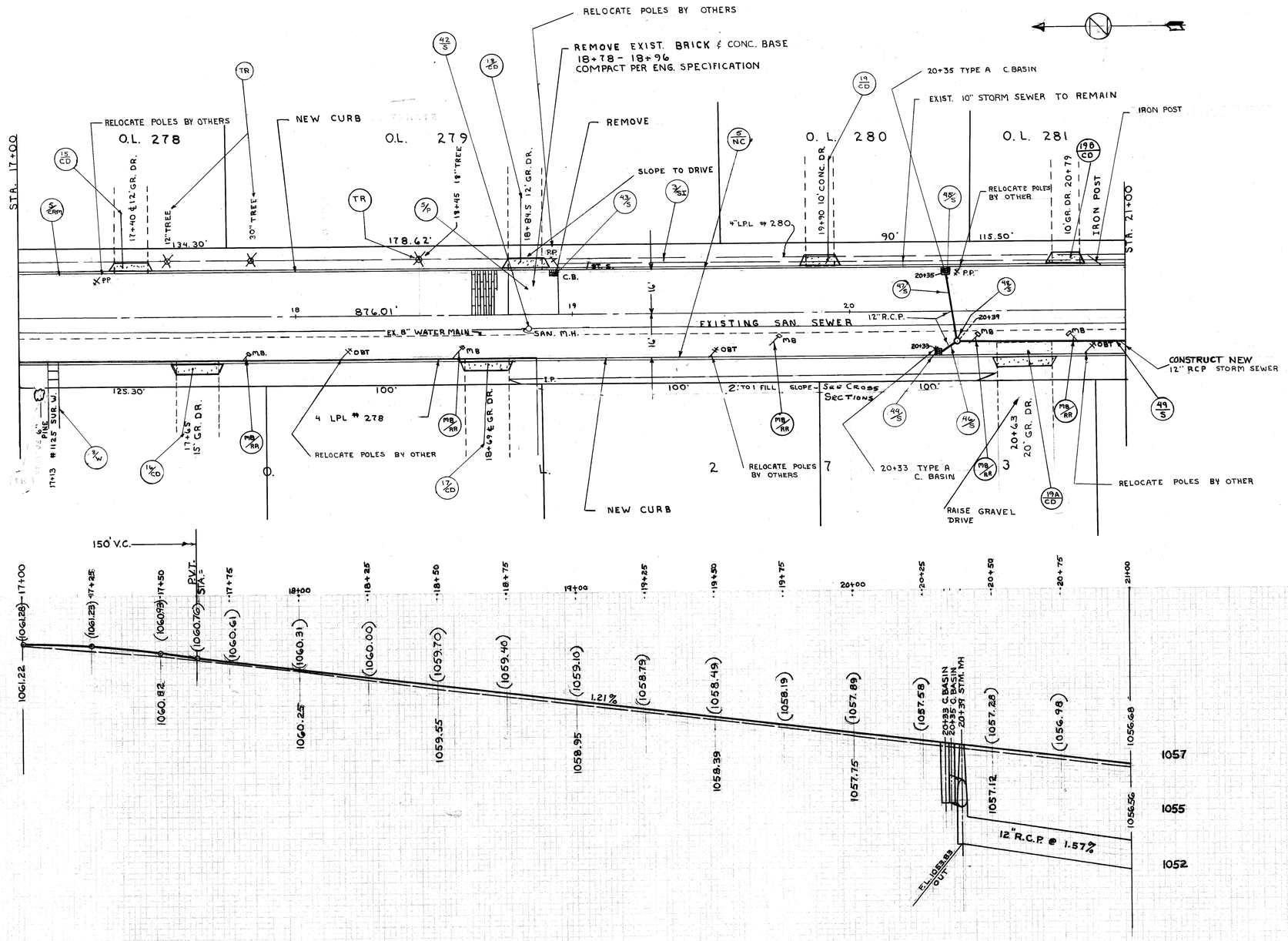

| ESTIMATED QUANTITIES | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| REF. NO. | STA. TO STA. | SIDES | CONDUIT | ADJ. MH | TYPE A C.B. | 4" CONC. WALK | REMOVE C.B. | NEW MH |
| 27-S | 8+00 TO 9+02 | ROADWAY | 102'-15" RCP | | | | | |
| 28-S | 8+73 | ROADWAY | | 1 | | | | |
| 3-S] | -8+63 | LEFT - RELOCATE SIGN | | | | | | |
| 29-S | 9+02 | ROADWAY | | | | | | 1 |
| 30-S | 9+07 | LEFT | | | 1 | | | |
| 31-S | 9+02 TO 9+10 | ROADWAY | 15'-12" RCP | | | | | |
| 32-S | 9+10 | RIGHT | | | 1 | | | |
| 33-S | 9+02 TO 9+07 | ROADWAY | 27'-12" RCP | | | | | |
| 33A-S | 9+14 | LEFT | | | | | 1 | |
| 33B-S | 9+14 | PLUG EXISTING 10" STM. SEWER | | | | | | |
| 33C-S | 9+14 | 5' OF 10" V.I.T. TIE NEW C.B. TO 10" STM. | | | | | | |
| 34-S | 9+02 TO 12+00 | ROADWAY | 298'-12" RCP | | | | | |
| 35-S | 12+00 | ROADWAY | | | | | | 1 |
| 1-CS | 10+65 | LEFT | CONC. STEPS | | REMOVAL & REPLACE | | | |
| 36-S | 12+06 | RIGHT | | | 1 | | | |
| 37B-S | 12+13 | LEFT | 5' OF 10" V.I.T. | | | | | |
| 37-S | 12+13 | LEFT | | | 1 | | | |
| 37A-S | 12+13 | LEFT | | | | | 1 | |
| 38-S | 12+00 TO 12+06 | | 6'-12" RCP | | | | | |
| 39-S | 12+00 TO 12+13 | ROADWAY | 26'-12" RCP | | | | | |
| 3P | 11+96 TO 11+07 | LEFT | 20 SQ YDS. COMPACTION (BRICK REMOVAL | | | | | |
| 5-W | 8+46 | RIGHT | REMOVAL OF EXISTING SERVICE WALK | | | | | |
| 5W-A | 8+46 | RIGHT | 16 SQ FT. OF 4" CONC FOR SERVICE WALK | | | | | |
| 3CRM | 8+00 TO 12+50 | LEFT | 469' OF EXISTING CURB REMOVED | | | | | |
| 1A-CD | 8+11 | RIGHT | 40 SQ FT. 6" CONC. | | | | | |
| 2A-CD | 8+73.5 | " | 100 SQ FT. 6" CONC. | | | | | |
| 3A-CD | 9+84 | " | 40 SQ FT. 6" CONC. | | | | | |
| 4A-CD | 10+18 | LEFT | 40 SQ FT. 6" CONC. | | | | | |
| 5A-CD | 10+98 | RIGHT | 40 SQ FT 6" CONC | | | | | |
| 6A-CD | 11+92 | LEFT | 40 SQ FT 6" CONC. | | | | | |
| 7A-CD | 12+40 | RIGHT | 40 SQ FT. 6" CONC. | | | | | |
| 6-W | 11+56 | LEFT | SERVICE WALK REMOVAL | | | | | |
| 7-W | 11+92 | RIGHT | SERVICE STEPS REMOVAL | | | | | |
| TR | 2-TREES REMOVED | | | | | | | |
| 3-NC | 919 LIN. FT. OF NEW CURB REQ'D BOTH SIDES) | | | | | | | |




| CITY OF MASSILLON, OHIO | | | |
|---|---|---|---|
| PLAN & PROFILE | | | |
| REVISION | | | 17TH ST. S.W. FROM STA. 8+100 TO 12.50 |
| DATE | DESC. | APPROV. | DR. BY TERRY RIDGLEY / DEPT. OF PUBLIC SERVICE ENGINEERING DIVISON |
| | | | CITY ENG. ROBERT WAGONER / SHEET 3 |
| | | | SCALE 1"=20' HORZ. 1"=2' VERT. / DATE |

M-659 ACC.-NO. 2562


STA. 12+50
STA. 17+00
13+15 8" PINE 24' FROM ℄
THICKNESS OF PAVEMENT TO BE USED 15 1"-404 ON BRICK SURFACE
REMOVE EXISTING BRICK 15+71 - 16+00 CONC. BASE & COMPACT PER ENGINEERS INSTRUCTION
EXISTING CURB TO BE REMOVED & REPLACED WITH NEW CURB
NEW START WALK 13+16
END OF EX. WALK 13+30
13+25 10' GR. DRIVE
O. L. 276
O. L. 277
O. L. 273
O. L. 273
17TH ST. S.W.
50'
EX. SAN. MH
EX. SAN. SEWER
EX. 8" WATER MAIN
EX. CURB
EX. 5' WALK
EX. 3' WALK
10355
10356
P. T.
13+70 CONC. STEPS
13+10 & 10' GR. DRIVE
13+67 15' GR. DRIVE
14+39 N. 8DU
14+93 N. 8DU
10' CONC. DRIVE
14+17 & 15' CONC. DRIVE
14+83 & 12' GR. DRIVE
14+93 END NEW WALK
14+93 & 18' CONC. DRIVE
16' MOVE TO 18.0' FROM 70.00'
Δ = 89° 11'
T = 24.65
R = 25'
0+42.43 P.T. C.R.
0+43.57 P.C. C.R.
Δ = 90° 49'
L = 39.63
T = 25.36
R = 25'
16+11 LIGHT POST
16+35 40" TREE
15+71 P.T. C.R.
15+80 EX. WALK START
15+39.89
89.11
INSTALL 3" DRAIN THRU CURB TO DRAIN WATER
NOTE - IF WALKS ARE REQ'D A CONC. STEP ITEM WILL BE REQ'D
RELOCATE T. POLES BY OTHERS
RELOCATE T. POLES BY OTHERS
ALL HYDRANTS & WATER BOXES TO BE RELOCATED BY OTHER
NEW CURB
THICKNESS OF PAVEMENT TO BE USED ON WEST SIDE IS 6½"-301 1"-404
NEW CURB
SEE SHEET NO. 10
CARLENE AVE. S.W.
EX. WALK END 16+65
EX. WALK 23' CONC. EX.
EX. WALK 13+16
EX. WALK 13+30
EX. WALK 14+75
EX. WALK 14+93
EX. WALK 16+34
EX. WALK 16+65
EX. WALK 17+00
EX. CURB
EX. SAN. MH
16+92
EX. 3' WALK
EX. CURB
EX. WALK 15+80
EX. WALK 16+34
EX. WALK 16+65
EX. WALK 17+00
EX. WALK 13+16
EX. WALK 13+30
EX. WALK 14+75
EX. WALK 14+93




## ESTIMATED QUANTITIES

| REF. NO. | STA. TO STA. | SIDE | CONDUIT | ADJ MH. | TYPE 'A' C.B. | 4" CONC. WALK | REMOVE C. BASIN | NEW MH |
|---|---|---|---|---|---|---|---|---|
| 5CRM | 17+00 TO 21+00 | EAST | 400' OF EXISTING CURB REMOVED | | | | | |
| 8W | 17+13 | RIGHT | REPLACE 2.5 SQ. FT. OF 4" CONC. WALK | | | | | |
| 15CD | 17+40 | LEFT | 50 SQ. FT. OF 6" CONC. REQ'D. | | | | | |
| 16CD | 17+65 | RIGHT | 60 SQ. FT. OF 6" CONC. | | | | | |
| 17CD | 18+69 | RIGHT | 60 SQ. FT. OF 6" CONC. | | | | | |
| 5P | 18+78-18+96 | ROADWAY | 32 SQ. YDS. OF COMPACTION | | | | | |
| 42S | 18+85.5 | ROADWAY | | 1 | | | | |
| 43S | 18+94 | LEFT | | | | | 1 | |
| 18CD | 18+84.5 | LEFT | 50 SQ. FT. OF 6" CONC. | | | | | |
| 19CD | 19+90 | LEFT | 50 SQ. FT. OF 6" CONC. | | | | | |
| 44S | 20+33 | RIGHT | | | 1 | | | |
| 45S | 20+35 | LEFT | | | 1 | | | |
| 46S | 20+33-20+49 | RIGHT | 15 LIN. FT. OF 12" R.C.P. CLASS 2. | | | | | |
| 47S | 20+35-20+49 | LEFT | 18 LIN. FT. OF 12" R.C.P. CLASS 2. | | | | | |
| 48S | 20+44 | ROADWAY | | | | | | 1 |
| 49S | 20+44-21+00 | ROAD'WAY | 56 LIN. FT. OF 12" R.C.P. CLASS 2. | | | | | |
| 36I | 19+04 | LEFT | REMOVE & RELOCATE STREET SIGN | | | | | |
| MBRR | | RIGHT | 5 MAIL BOXES REMOVED & REPLACED | | | | | |
| TR | | LEFT & RIGHT | 3 TREES REMOVED | | | | | |
| 19A-CD | 20+63 | RIGHT | 80 SQ. FT. OF 6" WALK | | | | | |
| 5-NC | 800 LIN. FT. OF NEW CURBING REQ'D. BOTH SIDES | | | | | | | |
| 19B-CD | 20+79 | LEFT | 70 SQ. FT. OF 6" DRIVE | | | | | |

CITY OF MASSILLON, OHIO

PLAN & PROFILE

17TH ST. S.W. FROM STA. 17+00 TO 21+00

| REVISION | | |
|---|---|---|
| DATE | DESC. | APPROX. |
| | | |
| | | |
| | | |
| | | |

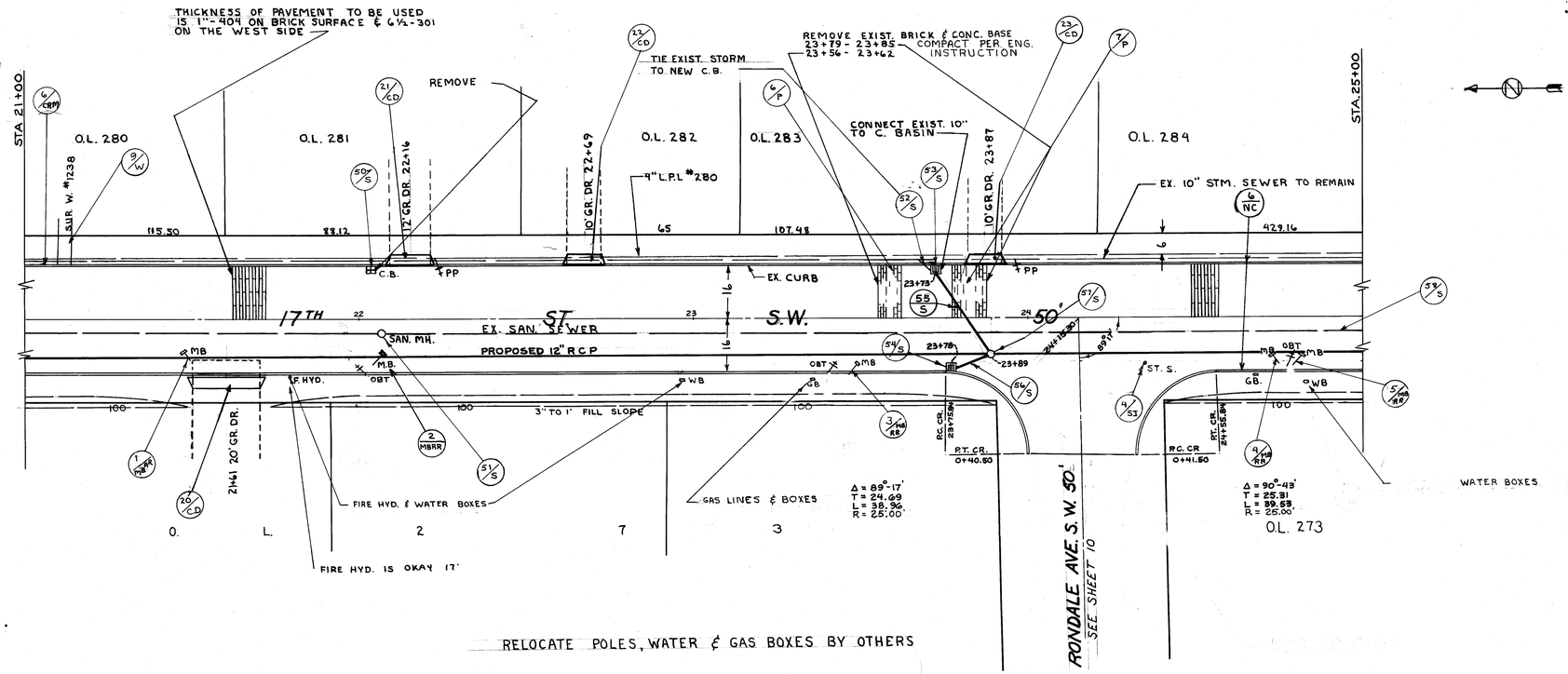
DR. BY TERRY RIDGLEY | DEPT. OF PUBLIC SERVICE ENGINEERING DIVISON

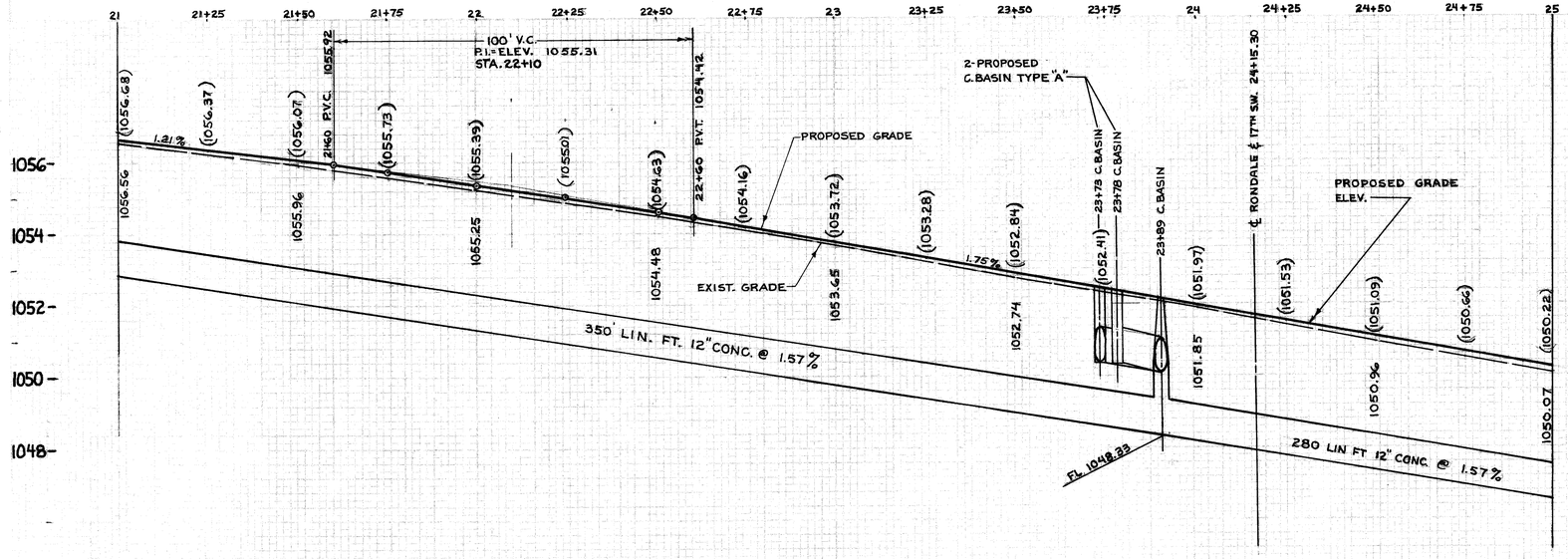
CITY ENG. ROBERT WAGONER

SCALE 1"=20' HORZ. 1"=2' VERT. | DATE

SHEET 5

M-659 ACC. NO 256




## ESTIMATED QUANTITIES

| REF. NO. | STA. TO STA. | SIDE | CONDUIT | MH ADJ | TYPE A C.B. | 4" CONC. WALK | REMOVE C.B. | NEW MH |
|---|---|---|---|---|---|---|---|---|
| 6CRM | 21+00-25+00 | LEFT | 400' OF | CURB | REMOVED | | | |
| 9W | 21+12 | LEFT | | | | 25 SQ. FT. | | |
| 20CD | 21+61 | RIGHT | 100 SQ. FT. | 6" CONC. | | | | |
| 21CD | 22+16 | LEFT | 60 SQ. FT. | OF 6" CONC. | | | | |
| 22CD | 22+69 | LEFT | 50 SQ. FT. | OF 6" CONC. | | | | |
| 23CD | 23+87 | LEFT | 50 SQ. FT. | OF 6" CONC. | | | | |
| 50S | 22+04 | LEFT | | | | | 1 | |
| 51S | 22+07.5 | ROADWAY | | 1 | | | | |
| 6P | 23+54-23+62 | ROADWAY | 11 SQ. YDS. | OF COMPACTION | | | | |
| 7P | 23+79-23+85 | ROADWAY | 11 SQ. YDS. | OF COMPACTION | | | | |
| 52S | 23+70 | LEFT | 5' OF 10" | VIT. | | | | |
| 53S | 23+73 | LEFT | | 1 | | | | |
| 54S | 23+78 | RIGHT | | 1 | | | | |
| 55S | 23+75 To 23+78 | ROADWAY | 30' OF 12" | R.C.P. | | | | |
| 56S | 23+78 To 23+89 | ROADWAY | 10' OF 12" | R.C.P. | | | | |
| 57S | 23+89 | ROADWAY | | 1 | | | | |
| 58S | 21+00-25+00 | ROADWAY | 400' OF 12" | R.C.P. | CLASS II | | | |
| 4SI | 24+33 | ROADWAY | REMOVE & | RELOCATE | SIGN | | | |
| MBRR | | | 5 MAILBOXES | REMOVED & | REPLACED | | | |
| 6NC | 799 LIN. FT. OF CURBING REQ'D. BOTH SIDES | | | | | | | |

| REVISION | | |
|---|---|---|
| DATE | DESC. | APPROX. |
| | | |

CITY OF MASSILLON, OHIO

PLAN & PROFILE

17TH ST. S.W. FROM STA. 21+00 TO 25+00

DR. BY TERRY RIDGLEY | DEPT. OF PUBLIC SERVICE ENGINEERING DIVISON

CITY ENG. ROBERT WAGONER | SHEET 6

SCALE 1"=20' HORZ. 1"=2' VERT. | DATE

M-659 ACC. NO. 2562

POLES RELOCATED BY OTHERS

REMOVE EX. BRICK & CONC. BASE 26+36 - 26+55 COMPACT PER ENG. INSTRUCTION

NEW CURB ALTERNATE

CONNECT EX. 10" STM. TO C. BASIN

REMOVE CATCH BASIN ONLY

BRANCHES TO BE TRIMMED BY OTHERS

26+45 30" MAPLE TREE 30' LT. ℄

EX. 10" STM. SEWER TO REMAIN

STA. 25+00

O. L. 284

O. L. 285

END CONC. CURB & GUTTER & PAVING

8' GR. DR. 28+30

TAP INTO EXISTING 10" STORM AT STAT. 29+44 EL. OF EXISTING 10" STORM IS 1036.61 CENTER LINE OF EXISTING STORM IS 18.26' LEFT OF CENTER.

29+50 END TAPER JOIN EXIST. PAVEMENT. PHASE I

429.16'

749.50'

183.62'

LOW - SEE CROSS SECTIONS LOW

GAS LINE

EX. 10" STM. SEWER

ENCASE IN CONC. 29+46

TEMP. CONNECTION 12" TO 10" STM.

ST. S.

2.69% RATE 10" STM.

SAN. MH

EX. 8" WATER MAIN

EX. SAN. SEWER

12" STORM SEWER

C.B.

OBT

26

27

28

29+00

TAPER

TEMPORARY

TAPER

EXIST. ROADWAY

2:1 SLOPE

SEE CROSS SECTIONS

100'

RAISE DRIVE

F.HYD. & WATER BOXES RELOCATE BY OTHERS

F.HYD. & WATER BOXES RELOCATE BY OTHER

25+50 & GR. DR.

28+50

TEMPORARY PAVING 5 1/2"-301 WEST SIDE 1-404

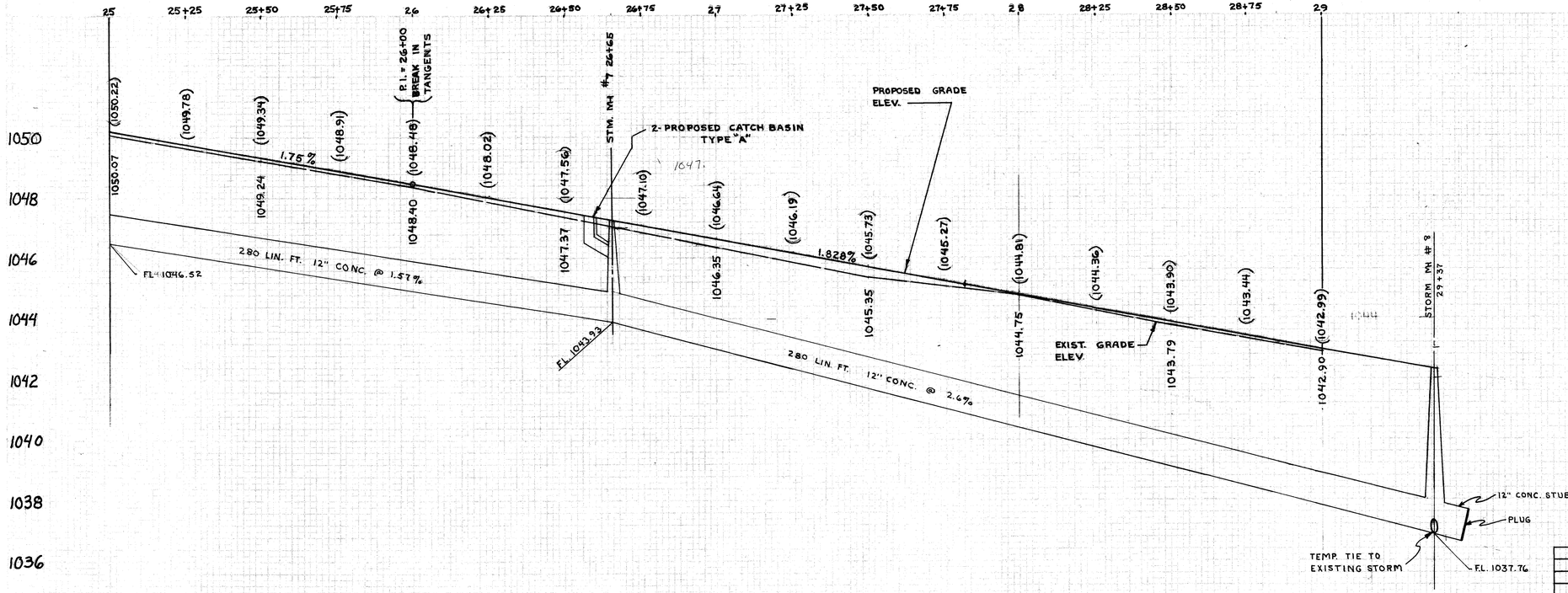
NEW CURB

O. L. 2

7 3

## ESTIMATED QUANTITIES

| REF. NO. | STA. TO STA. | SIDE | CONDUIT | MH ADJ. | TYPE "A" C.B. | 4" CONC. WALK | REMOVE C.B. | NEW MH |
|---|---|---|---|---|---|---|---|---|
| 59S | 25+32 | ROADWAY | | 1 | | | | |
| 24CD | 25+50 | RIGHT | | 50 SQ. FT. OF 6" CONC. | | | | |
| 8P | 26+36-26+55 | ROADWAY | | 34 SQ. YDS. OF COMPACTION | | | | |
| 60S | 26+56 | RIGHT | | | 1 | | | |
| 61S | 26+56 | LEFT | | 5' OF 12" R.C.P. CLASS II | | | | |
| 62S | 26+56 | LEFT | | | 1 | | | |
| 63S | 26+65 | ROADWAY | | | | | | 1 |
| 64S | 26+56-26+65 | ROADWAY | | 8' OF 12" R.C.P. CLASS II | | | | |
| 65S | 26+56-26+65 | ROADWAY | | 28' OF 12" R.C.P. CLASS II | | | | |
| 65AS | 25+00-29+00 | ROADWAY | | 437' OF 12" R.C.P. CLASS II | | | | |
| 66S | 27+03.5 | LEFT | | | | | 1 | |
| 25CD | 28+30 | LEFT | | 40 SQ. FT. OF 6" CONC. | | | | |
| 55I | 28+52 | LEFT | | REMOVE & RELOCATE STREET SIGN | | | | |
| 67S | 28+55 | ROADWAY | | 1 | | | | |
| 7CRM | 28+00-29+50 | LEFT | | REMOVE EXISTING CURB - 450 LIN FT | | | | |
| MBR | | | | 3 MAILBOXES TO REMOVE & RELOCATE | | | | |
| 7-NC | 700' OF NEW CURB BOTH SIDES | | | | | | | |
| 67AS | 29+37 | ROADWAY | | | | | | 1 |
| 67BS | 29+37 TO 29+49 | ROADWAY | | 30 LIN. FT. OF 10" CMP | | | | |
| 67CS | 29+49 | LEFT | | ½ CU. YD. OF CONC. FOR ENCASEMENT | | | | |
| 67DS | 29+37 | ROADWAY | | 12" RCP CLASS II 9 LIN. FT. FOR STUB | | | | |
| 67ES | 29+37 | ROADWAY | | 12" CONC. PLUG | | | | |




| REVISION | | |
|---|---|---|
| DATE | DESC. | APPROX. |
| | | |

CITY OF MASSILLON, OHIO

PLAN & PROFILE

17TH ST. S.W. FROM STA. 25+00 TO 29+00

DR BY TERRY RIDGLEY

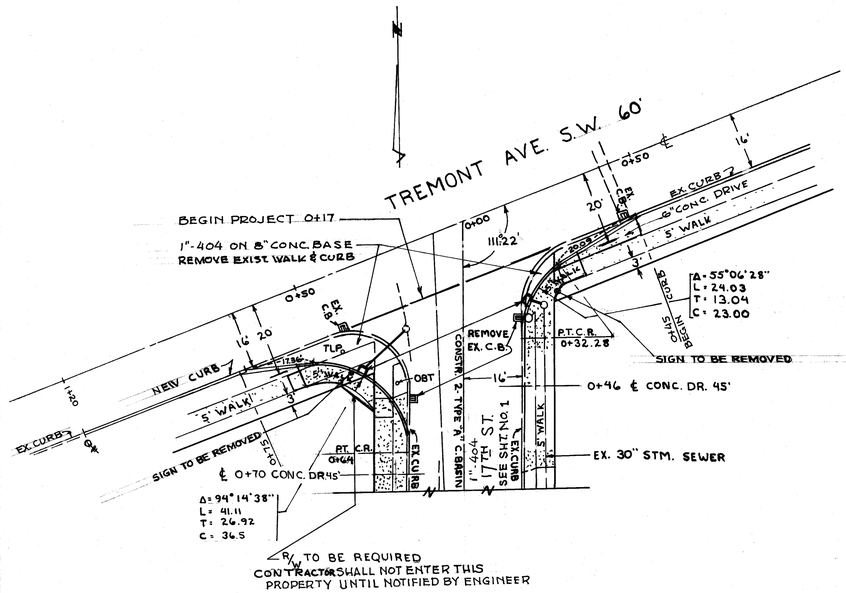
DEPT. OF PUBLIC SERVICE ENGINEERING DIVISION

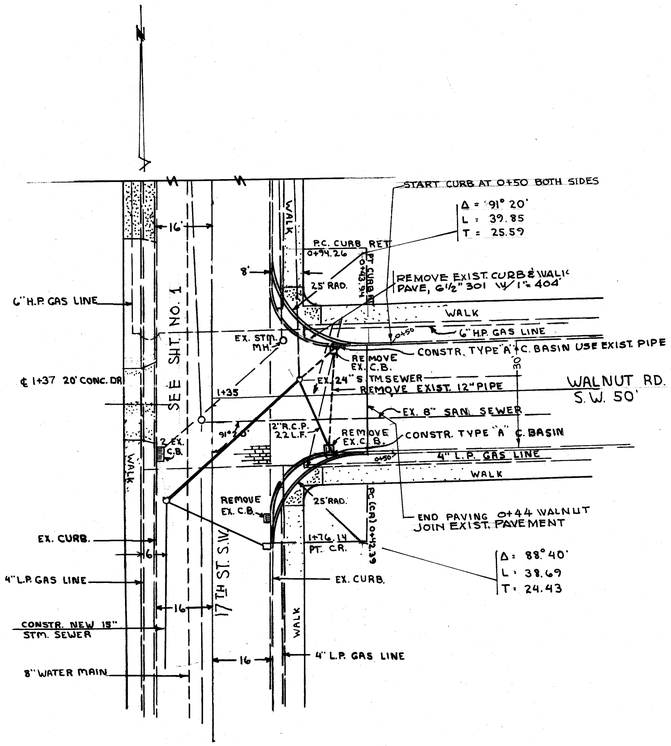
CITY ENG. ROBERT WAGONER

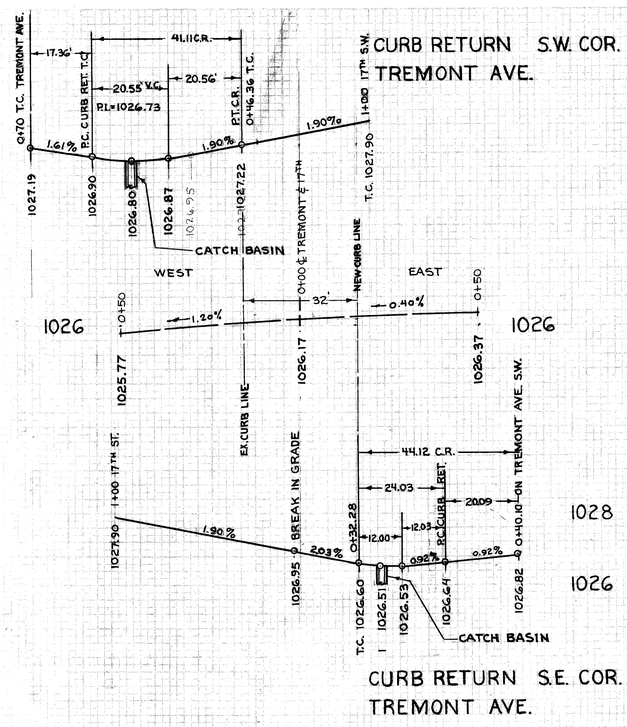
SCALE 1" = 20' HORZ 1" = 2' VERT. DATE 11

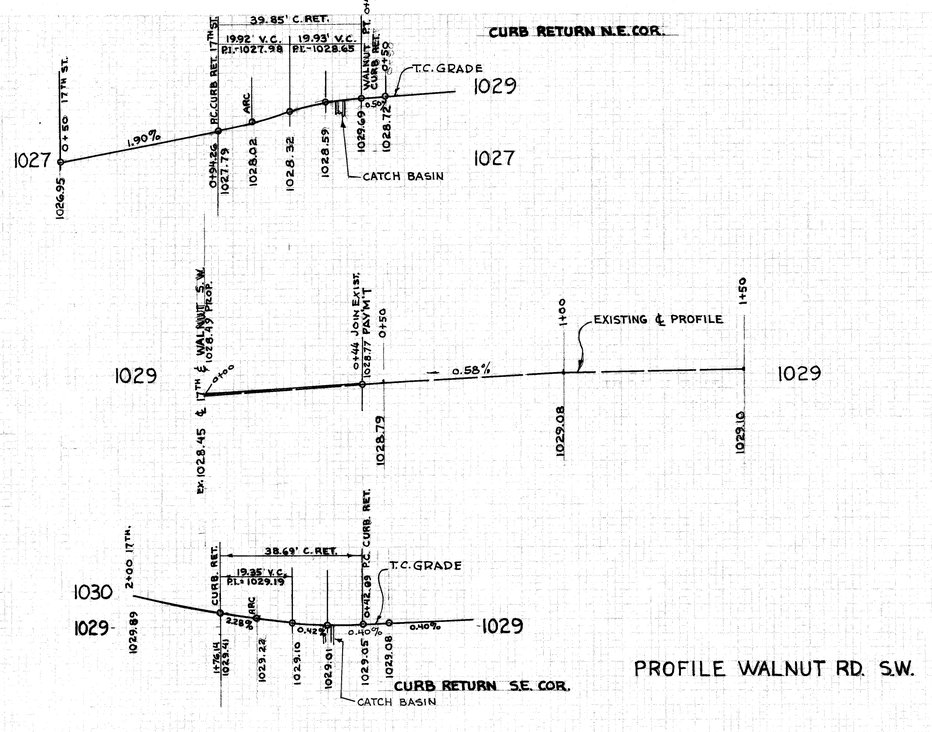
SHEET 7

M-659 ACC. NO. 2562



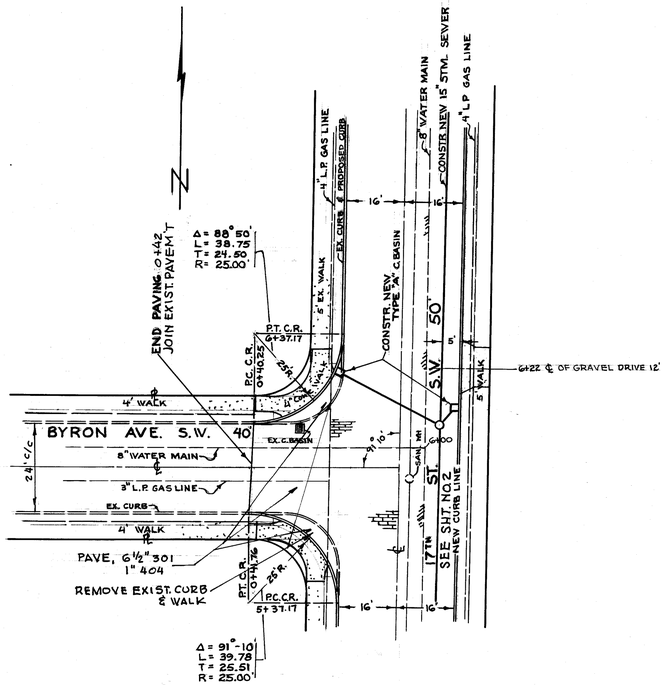



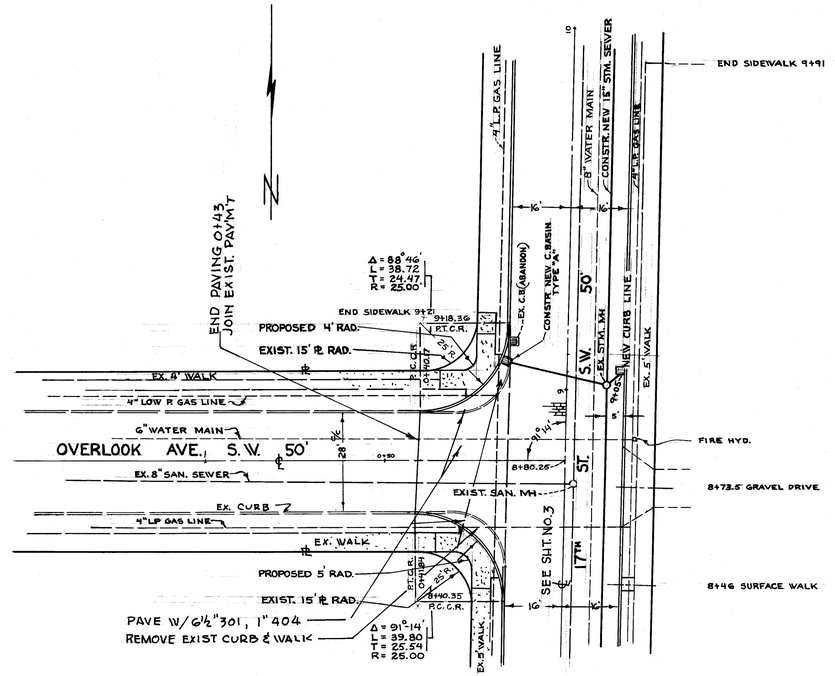



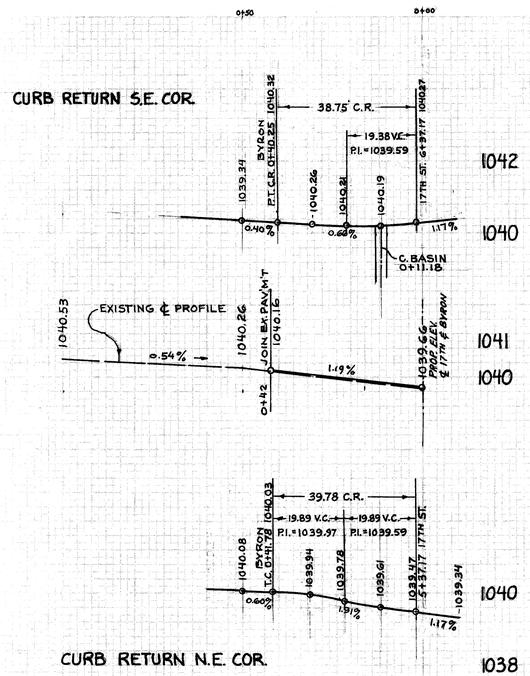



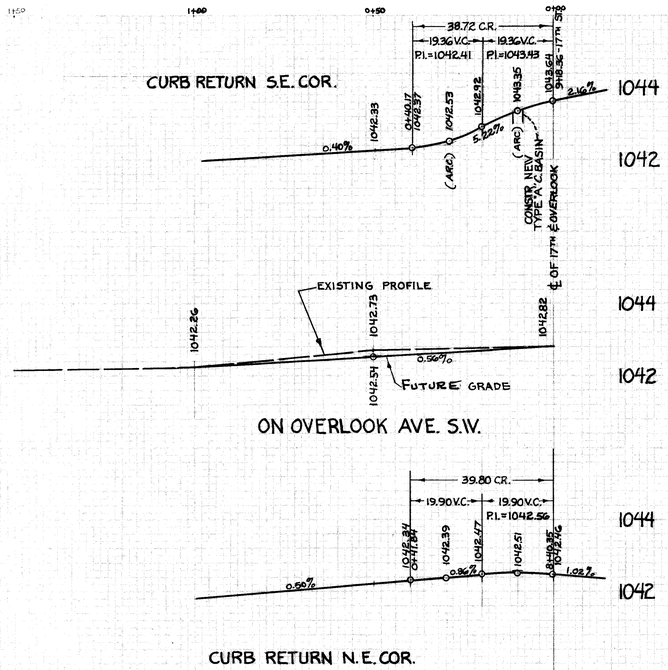

| CITY OF MASSILLON OHIO | | |
|---|---|---|
| PLAN & PROFILE OF INTERSECTION TREMONT & WALNUT RD. S.W. | | |
| DR. BY TERRY RIDGLEY | DEPT. OF PUBLIC SERVICE ENGINEERING DIVISON | |
| CITY ENG. ROBERT WAGONER | | SHEET 8 |
| SCALE 1"=20' HORZ. 1"=2' VERT. | DATE / /72 | |

M-659 ACC. NO. 2562




| REVISON | | |
|---|---|---|
| DATE. | DESC. | APPROX. |
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| | | |
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CITY OF MASSILLON, OHIO

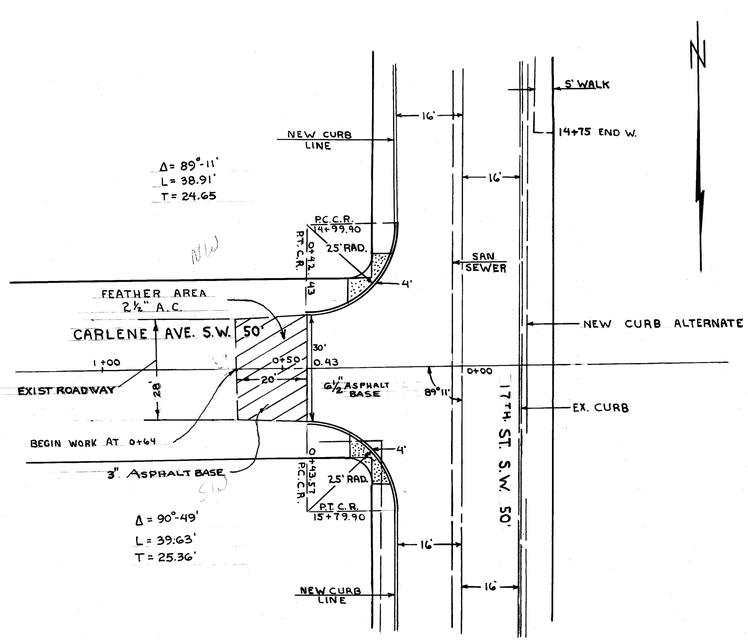
PLAN & PROFILE OF INTERSECTIONS
BYRON & OVERLOOK AVE. S.W.

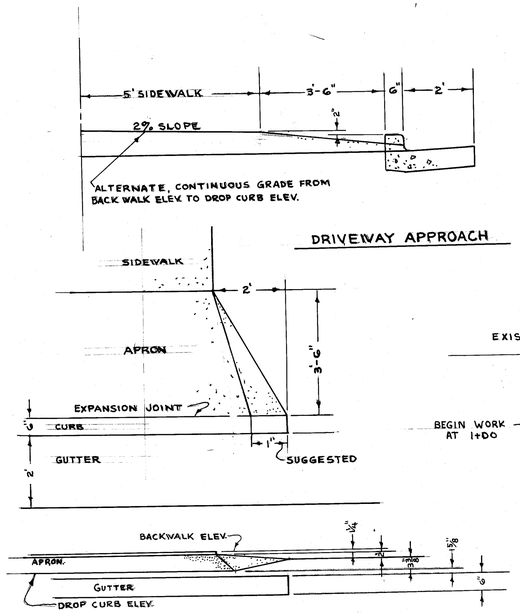
DR BY RONNIE MCPHERSON | DEPT. OF PUBLIC SERVICE ENGINEERING DIVISION

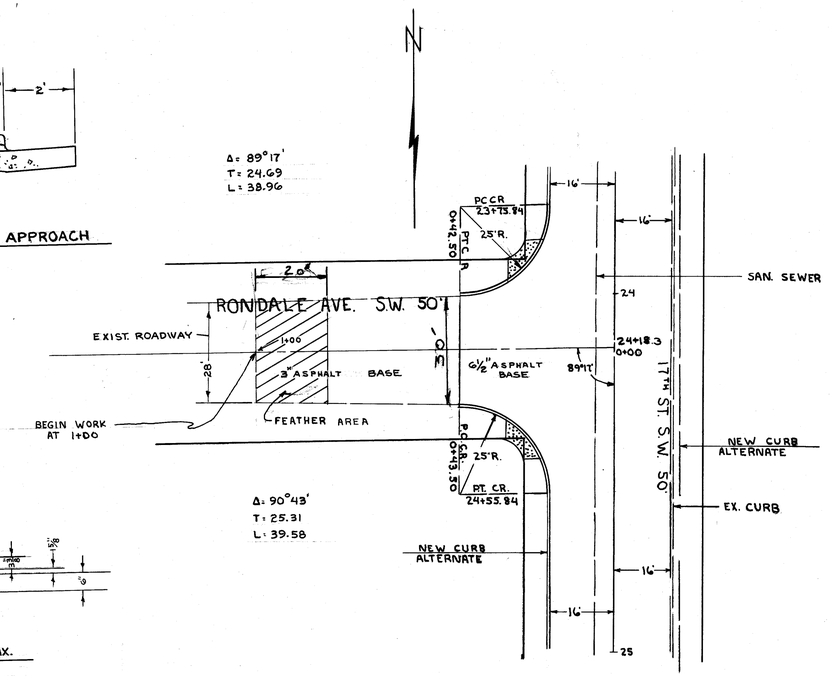
CITY ENG. ROBERT WAGONER | SHEET 9

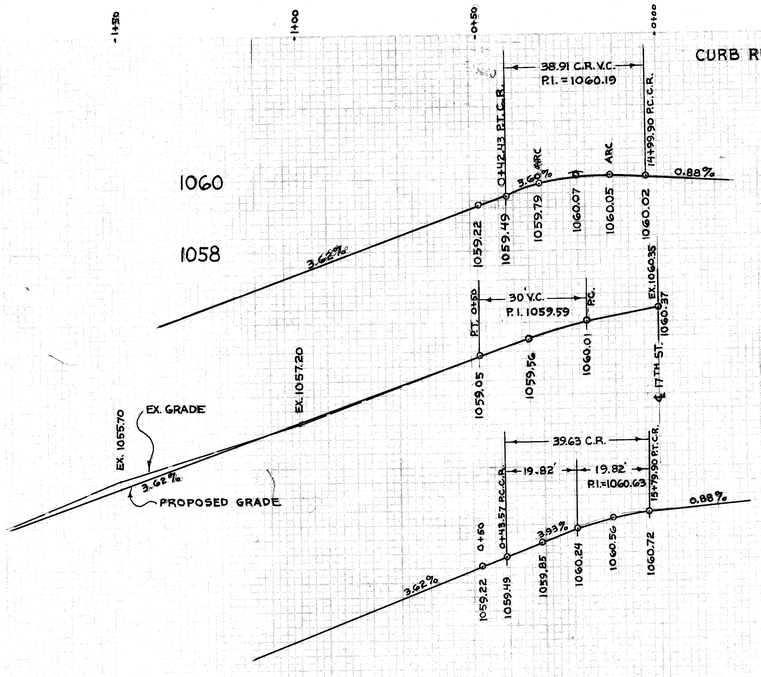
SCALE 1"=20' HORZ. 1"=2' VERT. | DATE / /

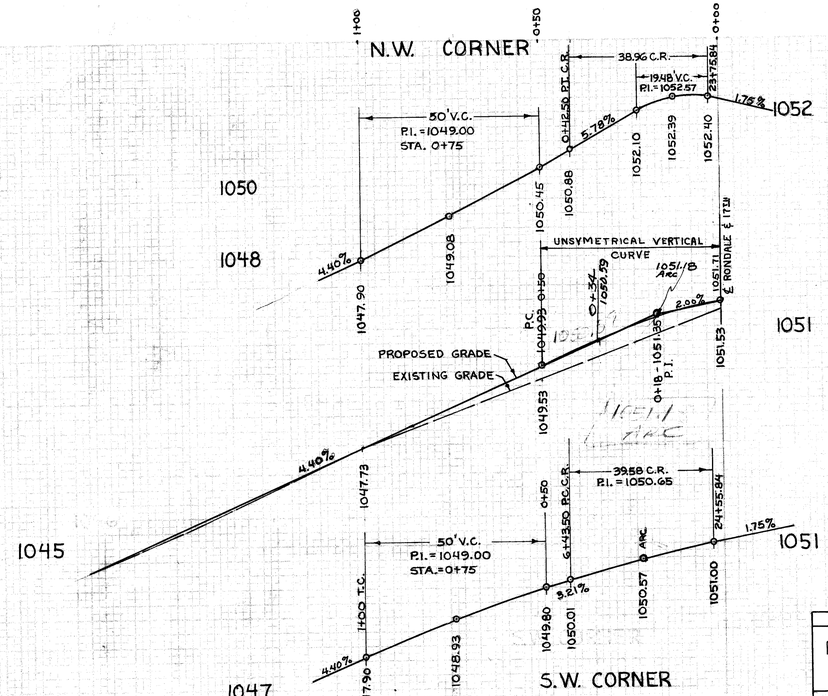
M-659 ACC. NO. 2562



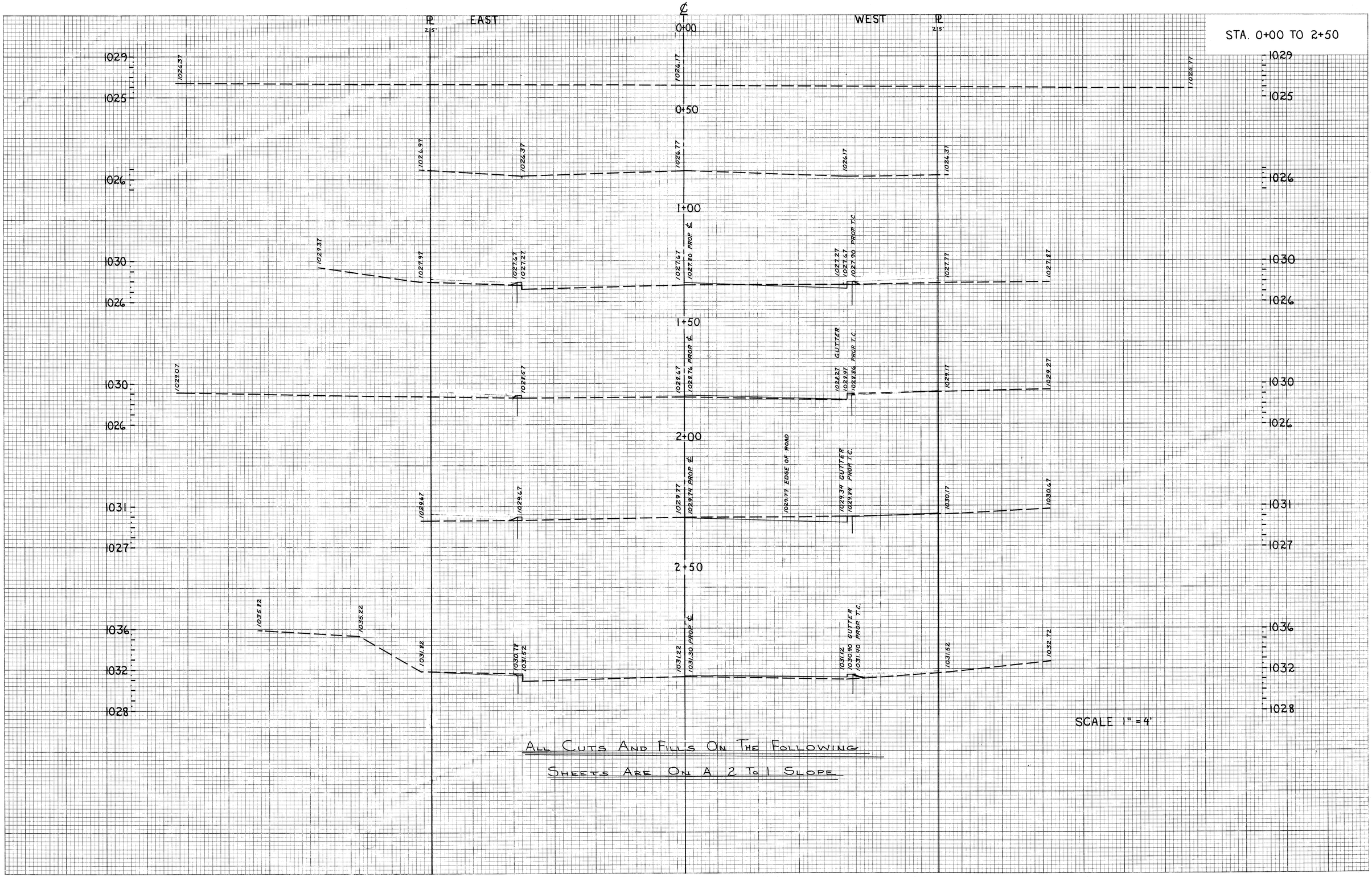




| CITY OF MASSILLON, OHIO | |
|---|---|
| PLAN & PROFILE OF INTERSECTION CARLENE & RONDALE AVE. S.W. | |
| DR. BY TERRY RIDGLEY | DEPT. OF PUBLIC SERVICE ENGINEERING DIVISON |
| CITY ENG. ROBERT WAGONER | SHEET 10 |
| SCALE 1"=20' HORZ. 1"=2' VERT. | DATE / /72 |

M-659 ACC. NO. 2562

STA. 0+00 TO 2+50




SCALE 1" = 4'

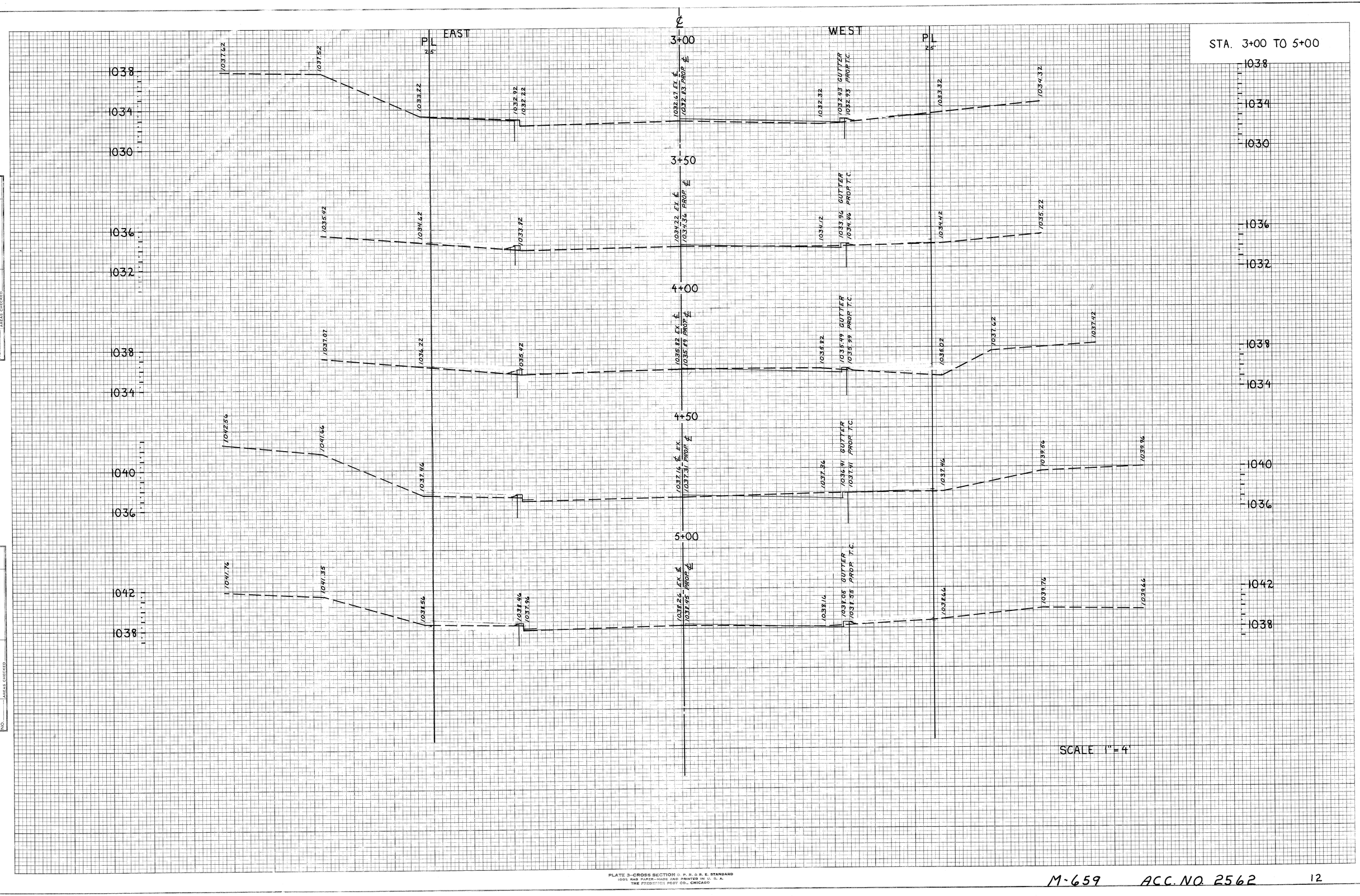
ALL CUTS AND FILLS ON THE FOLLOWING SHEETS ARE ON A 2 TO 1 SLOPE

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

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

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

STA. 3+00 TO 5+00




SCALE 1"=4'

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

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

M-659 ACC. NO. 2562

STA. 5+50 TO 8+00

EAST

WEST

SCALE 1"=4'

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. & P. E. STANDARD
1005. RAG PAPER-MADE AND PRINTED IN U. S. A.
THE FREDERICK POST CO., CHICAGO

STA. 8+50 TO STA. 11+00

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

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

℄

EAST

WEST

## 8+50

1042.45 PROP. ℄

PROP. 1042.05 GUT. 1042.55 T.C.

EXIST. T.C. 1042.36 GUTTER 1041.96

## 9+00

1043.17 PROP. ℄

PROP. 1042.77 GUT. 1043.27 T.C.

EXIST. T.C. 1043.26 GUTTER 1042.86

## 9+50

1044.31 PROP. ℄

PROP. 1043.91 GUT. 1044.41 T.C.

EXIST. T.C. 1044.19 GUTTER 1043.79

## 10+00

1045.66 PROP. ℄

PROP. 1045.26 GUT. 1045.76 T.C.

EXIST. T.C. 1045.49 GUTTER 1045.09

## 10+50

1046.96 PROP. ℄

PROP. 1046.56 GUT. 1047.06 T.C.

EXIST. T.C. 1046.89 GUTTER 1046.49

## 11+00

1048.48 PROP. ℄

PROP. 1048.08 GUT. 1048.58 T.C.

EXIST. T.C. 1048.79 GUTTER 1048.09

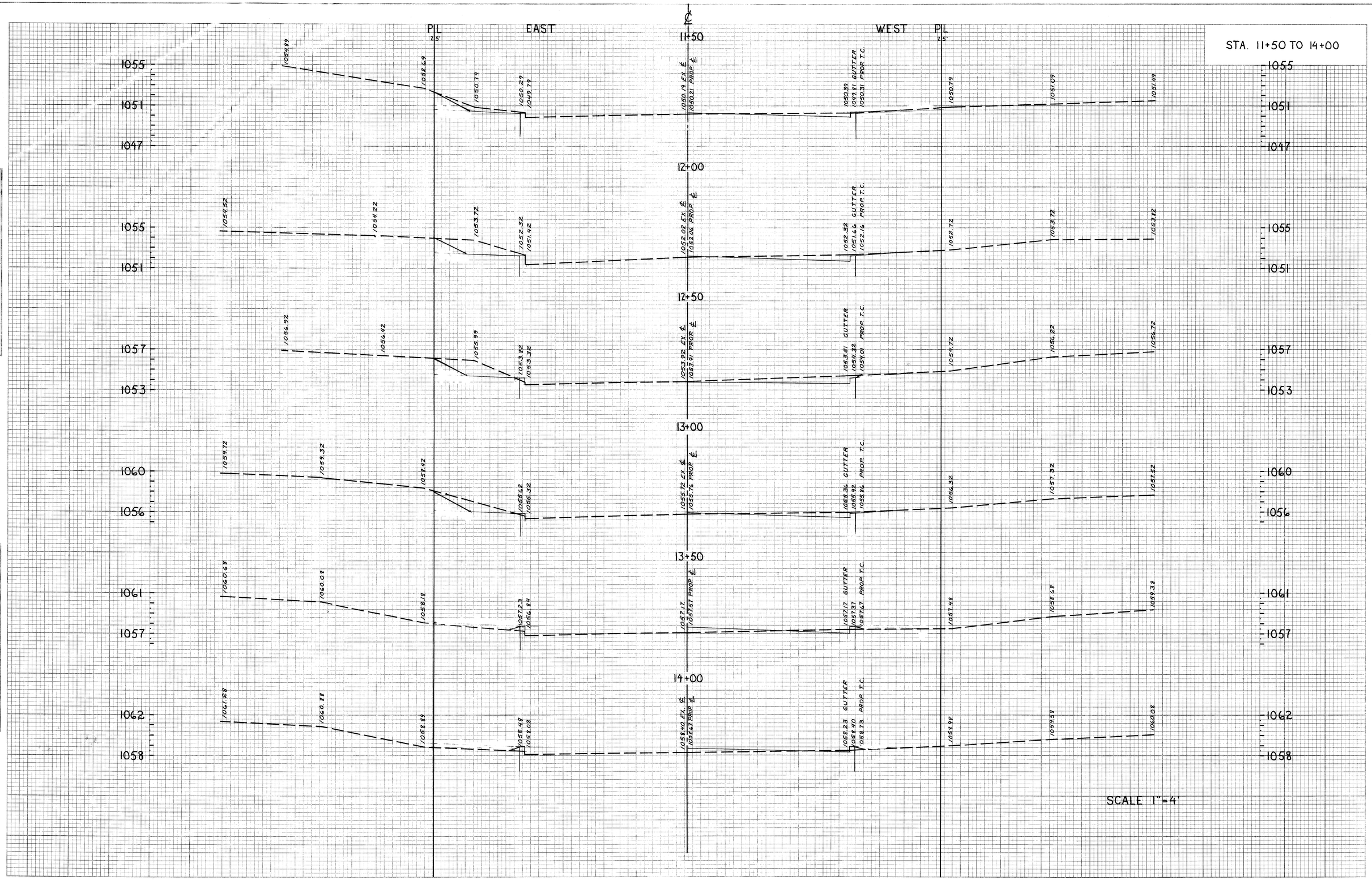
SCALE 1"=4'

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

M-659 ACC. NO. 2562

14

STA. 11+50 TO 14+00




SCALE 1"=4'

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

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

PLATE 2—CROSS SECTION C. P. R. R. E. STANDARD
100% RAG PAPER—MADE AND PRINTED IN U. S. A.
THE FREDERICK POST CO., CHICAGO

M-659 ACC. NO. 2562

STA. 14+50 TO 17+00

EAST

WEST

14+50

15+00

15+50

16+00

16+50

17+00

1062 1058 1063 1059 1063 1059 1063 1059 1063 1059 1064 1060

1061.98 1061.18 1059.82 1059.45 1059.02 1059.13 EX. ℄ 1059.22 PROP. ℄ 1059.12 GUTTER 1059.49 1059.62 PROP. T.C. 1059.58 1059.78 1059.58

1062.28 1060.98 1060.08 1059.68 1059.96 EX. ℄ 1060.07 PROP. ℄ 1059.97 GUTTER 1059.78 1059.92 PROP. T.C. 1059.78 1059.88 1059.98

1062.38 1061.98 1061.38 1060.53 1060.12 1060.35 EX. ℄ 1060.49 PROP. ℄ 1060.09 GUTTER 1060.23 1060.59 PROP. T.C. 1059.98 1059.78 1059.58

1062.58 1062.08 1061.28 1060.90 1060.54 1060.44 EX. ℄ 1060.52 PROP. ℄ 1060.52 GUTTER 1060.78 1061.02 PROP. T.C. 1060.58 1060.58 1060.78

1062.78 1061.78 1061.22 1060.78 1061.07 EX. ℄ 1061.24 PROP. ℄ 1060.86 GUTTER 1061.01 1061.36 PROP. T.C. 1060.87 1060.88 1061.38

1063.88 1063.08 1061.88 1061.24 1060.91 1061.22 EX. ℄ 1061.23 PROP. ℄ 1060.88 GUTTER 1061.12 1061.38 PROP. T.C. 1061.48 1061.98 1062.38

SCALE 1"=4'

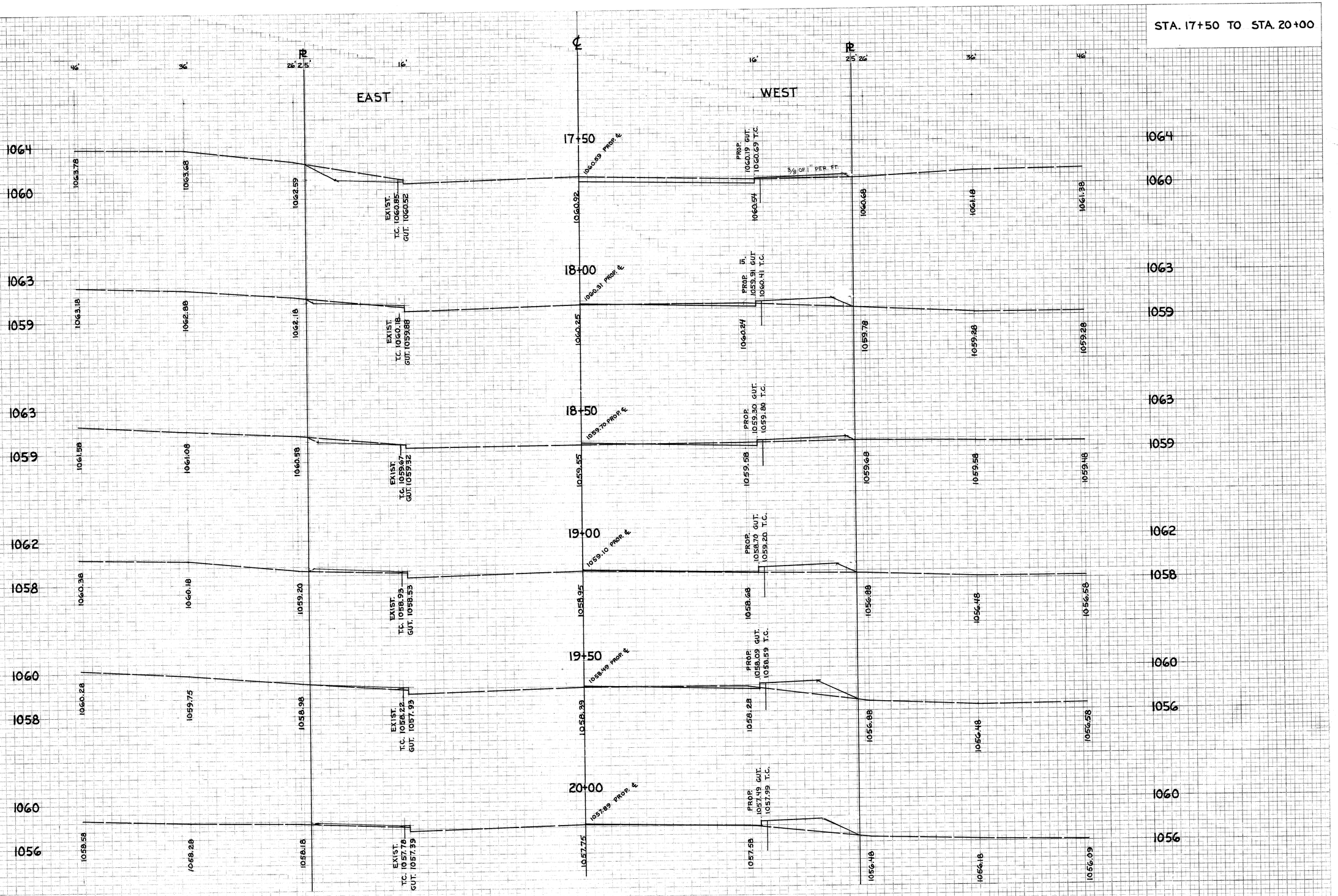
FINAL SURVEY — SURVEYED, PLOTTED, TEMPLATE, AREAS CHECKED, NOTE BOOK, NO., BY, DATE

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

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

M-659 ACC. NO. 2562 16

STA. 17+50 TO STA. 20+00



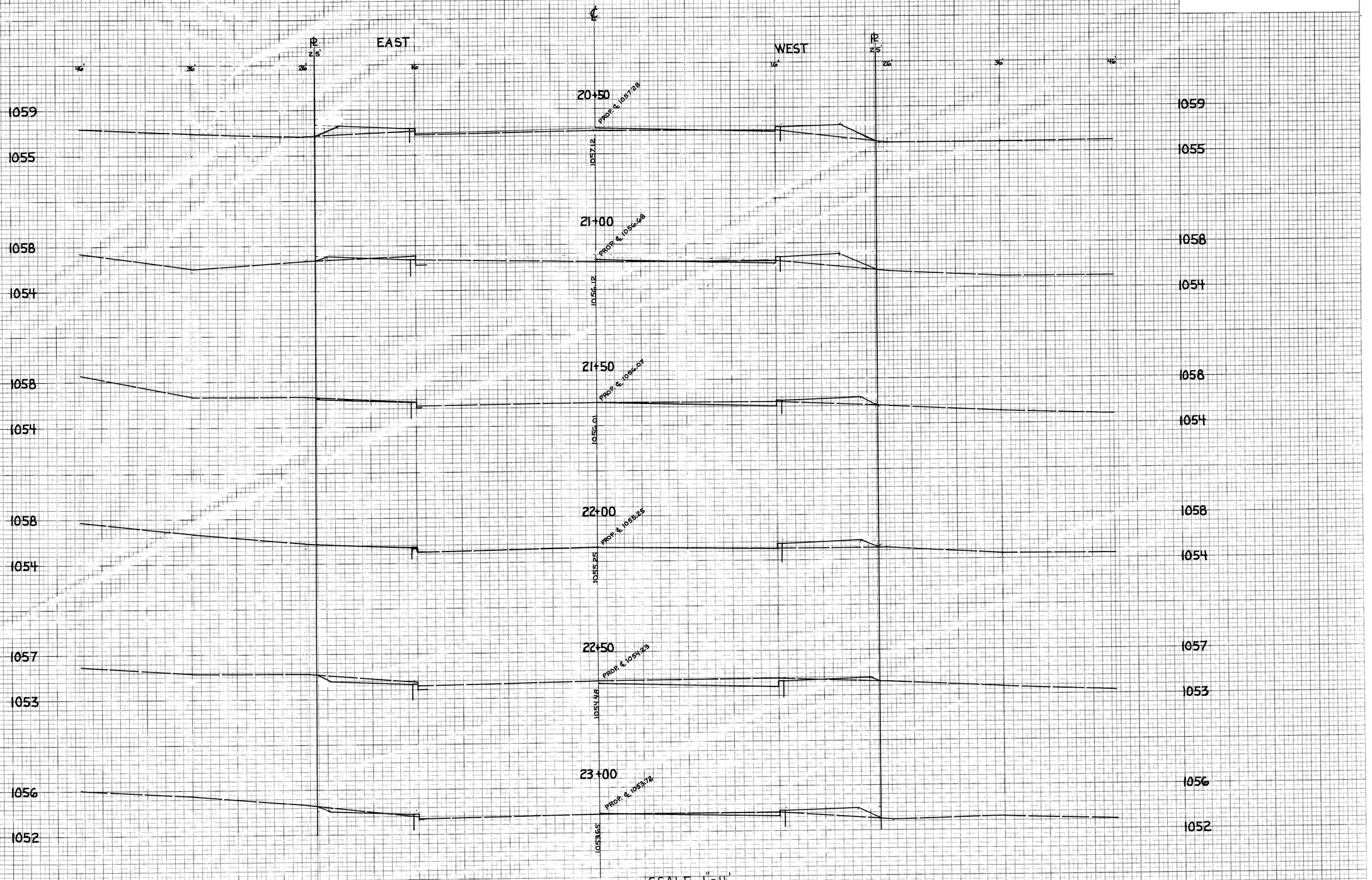

SCALE 1"=4'

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

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

PLATE SHOWING SECTION OF U. S. STANDARD
100% RAG CONTENT PAPER MANUFACTURED IN U. S. A.
THE HAMMERMILL PAPER COMPANY

STA. 20+50 TO STA. 23+00



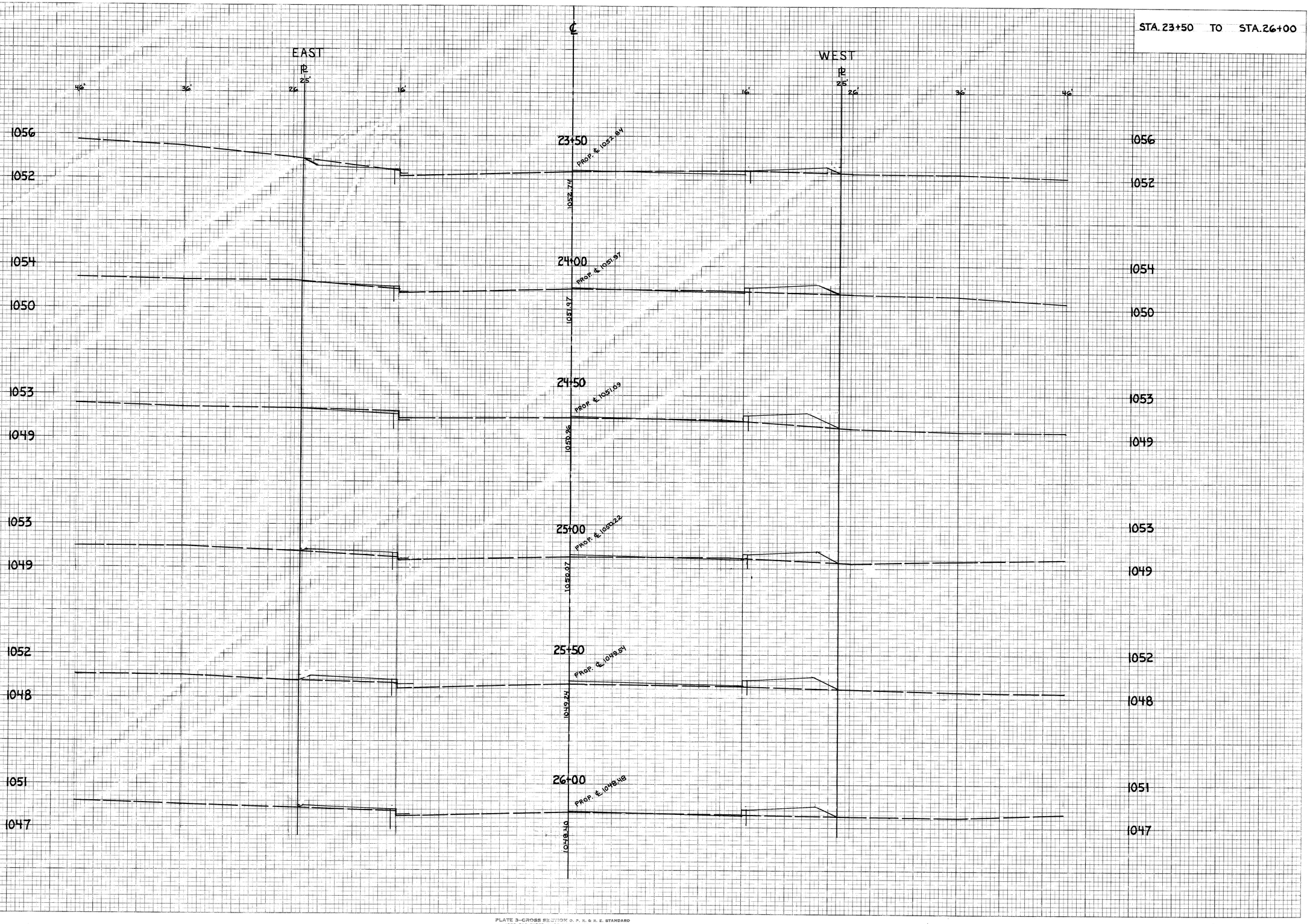

SCALE 1"=4'

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

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

PLATE 2—CROSS SECTION C. B. & Q. R. R. STANDARD
1906 BAR ENGRAVING AND PRINTED IN U. S. A.
THE FREDERICK POST CO., CHICAGO

STA. 23+50 TO STA. 26+00




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

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

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

M-659 ACC. NO. 2562

STA. 26+50 TO 28+50

℄

℄ EAST 25'

WEST ℄ 25'

26+50

EX. ℄ 1046.23

1047.47 PROP ℄

27+00

1046.35 EX. ℄

1046.66 PROP ℄

27+50

1045.35 EX. ℄

1045.76 PROP ℄

28+00

EX. ℄ 1044.15

1044.84 PROP ℄

28+50

1043.79 EX. ℄

1043.93 PROP ℄

1048 1044 1047 1043 1046 1042 1048 1044 1048 1044

SCALE 1"=4'

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

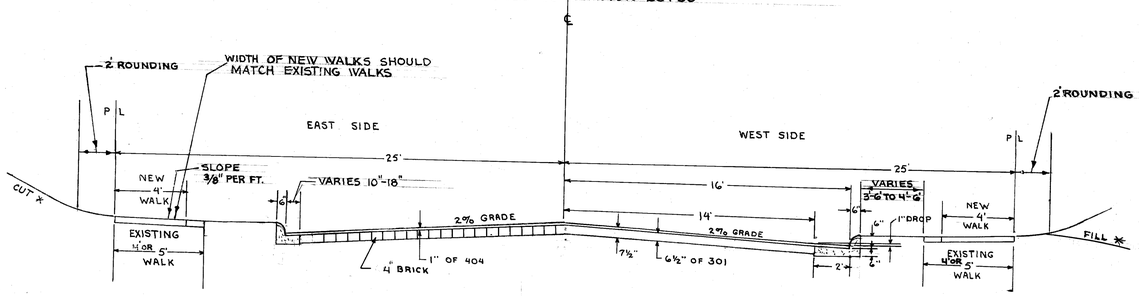
ORIGINAL SURVEY — SURVEYED, PLOTTED, TEMPLATE, AREAS, AREAS CHECKED, NOTE BOOK, NO., BY, DATE

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

M-659 ACC. NO 2562 20

# TYPICAL SECTIONS

17TH. ST. CITY SECTION
STATION 0+00 TO STATION 28+50



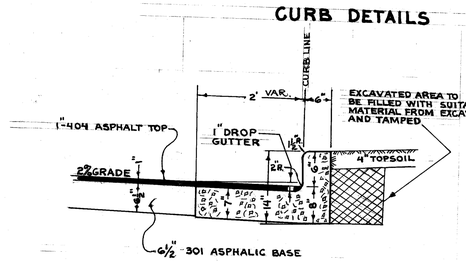

* VARIES - SEE GROSS-SECTIONS

404 - 1" ASPHALT CONCRETE (70-85 OR AC-20)
301 - 6½" BITUMINOUS AGGREGATE COURSE ONE 3½" COURSE AND ONE 3" COURSE
702.01 (85-100) OR 702.09 RT-11 OR RT-12

## CONVENTIONAL SIGNS

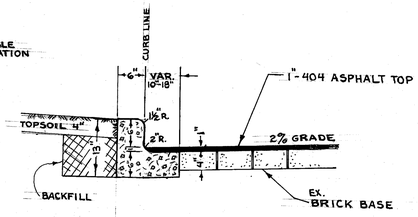
W — NEW WALK
S — SEWER-STORM OR SANITARY AND THEIR APPURTENANCES
CRM — REMOVAL OF EXISTING CURB
SI — SIGNS
P — PAVEMENT
NC — NEW CURB
PR — PAVEMENT REMOVAL
MB RR — MAIL BOXES REMOVED & RELOCATED
⊗ TR — TREE REMOVAL
CD — CONCRETE DRIVE
NB — NEW BASE

## CURB DETAILS

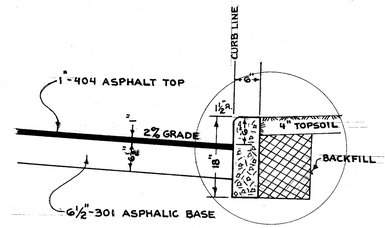



CURB & GUTTER WEST SIDE

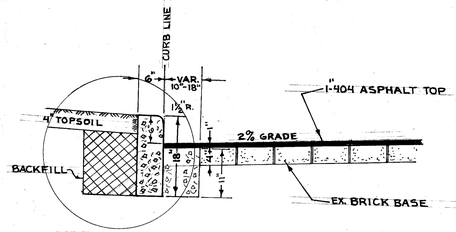
## CURB DETAILS




CURB & GUTTER EAST SIDE



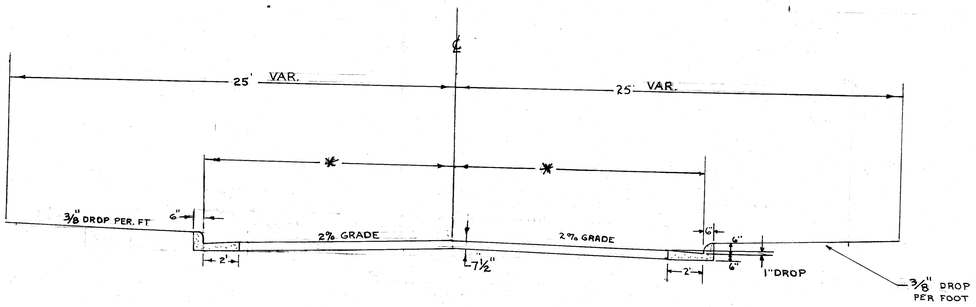

CURB ALTERNATE WEST SIDE




CURB ALTERNATE EAST SIDE

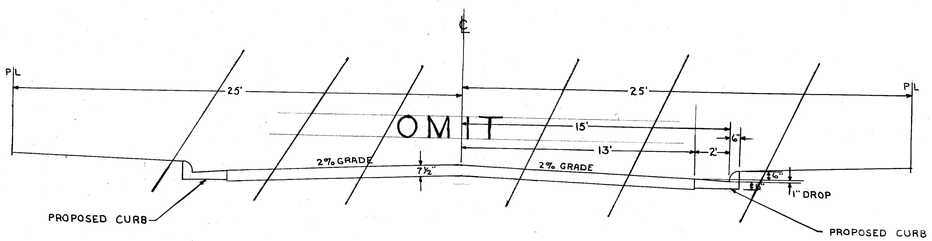
SCALE ¾" = 1'

## SIDE STREET SECTIONS




1. WALNUT RD. - 15'-0"
2. BYRON AVE. - 12'-0"
3. OVERLOOK AVE - 14'-0"
4. CARLENE AVE - 15'-0"
5. RONDALE AVE - 15'-0"

* WIDTH FROM ℄ TO FACE OF CURB VARIES



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