

Madison, Wisconsin

# CITY OF MADISON

## CITY ENGINEERING DIVISION DEPARTMENT OF PUBLIC WORKS

### PLAN OF PROPOSED IMPROVEMENT

PUBLIC IMPROVEMENT PROJECT  
APPROVED

JANUARY 20, 2015

BY THE COMMON COUNCIL  
OF MADISON, WISCONSIN

PUBLIC IMPROVEMENT DESIGN  
APPROVED BY:

*[Signature]* 7/20/15  
City Engineer Date

#### INDEX OF SHEETS

| SHEET NO. | TITLE                       |
|-----------|-----------------------------|
| 1         | GENERAL NOTES               |
| DI        | TYPICAL SECTIONS            |
| D2-D3     | STREET PLAN & PROFILES      |
| P1-P5     | SEWER PLAN & PROFILES       |
| U1-U6     | SEWER SCHEDULES             |
| U7-U8     | POND PLANS                  |
| U9        | WATER PLAN & PROFILES       |
| W1-W3     | WATER IMPACT PLAN           |
| W4        | WATER ESTIMATE OF MATERIALS |
| W5        | CROSS SECTIONS              |
| X1-X8     |                             |

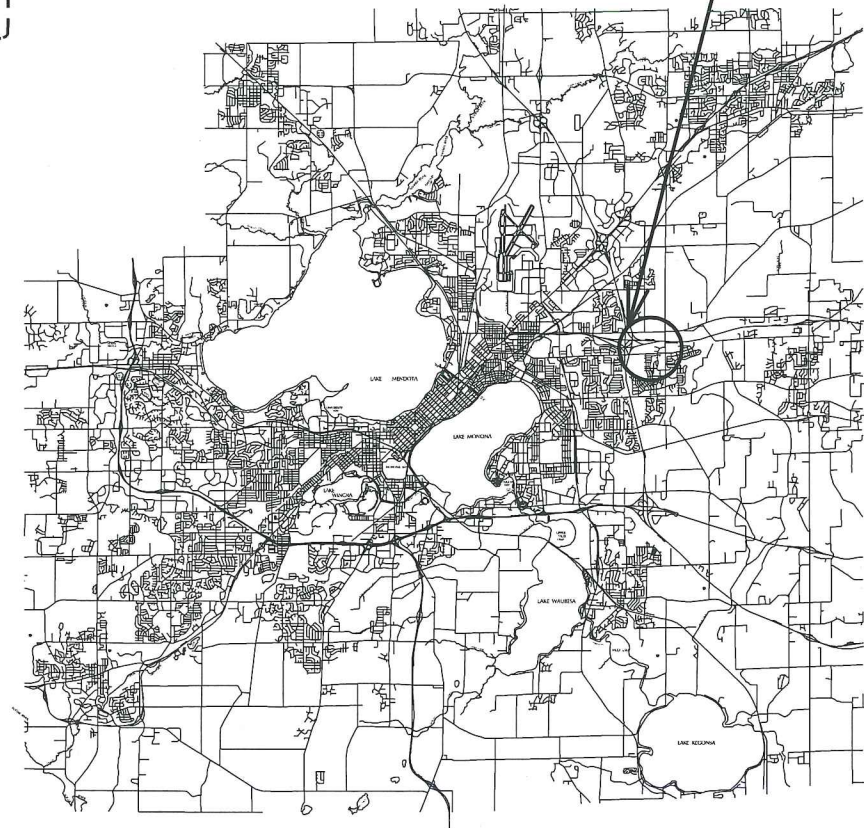
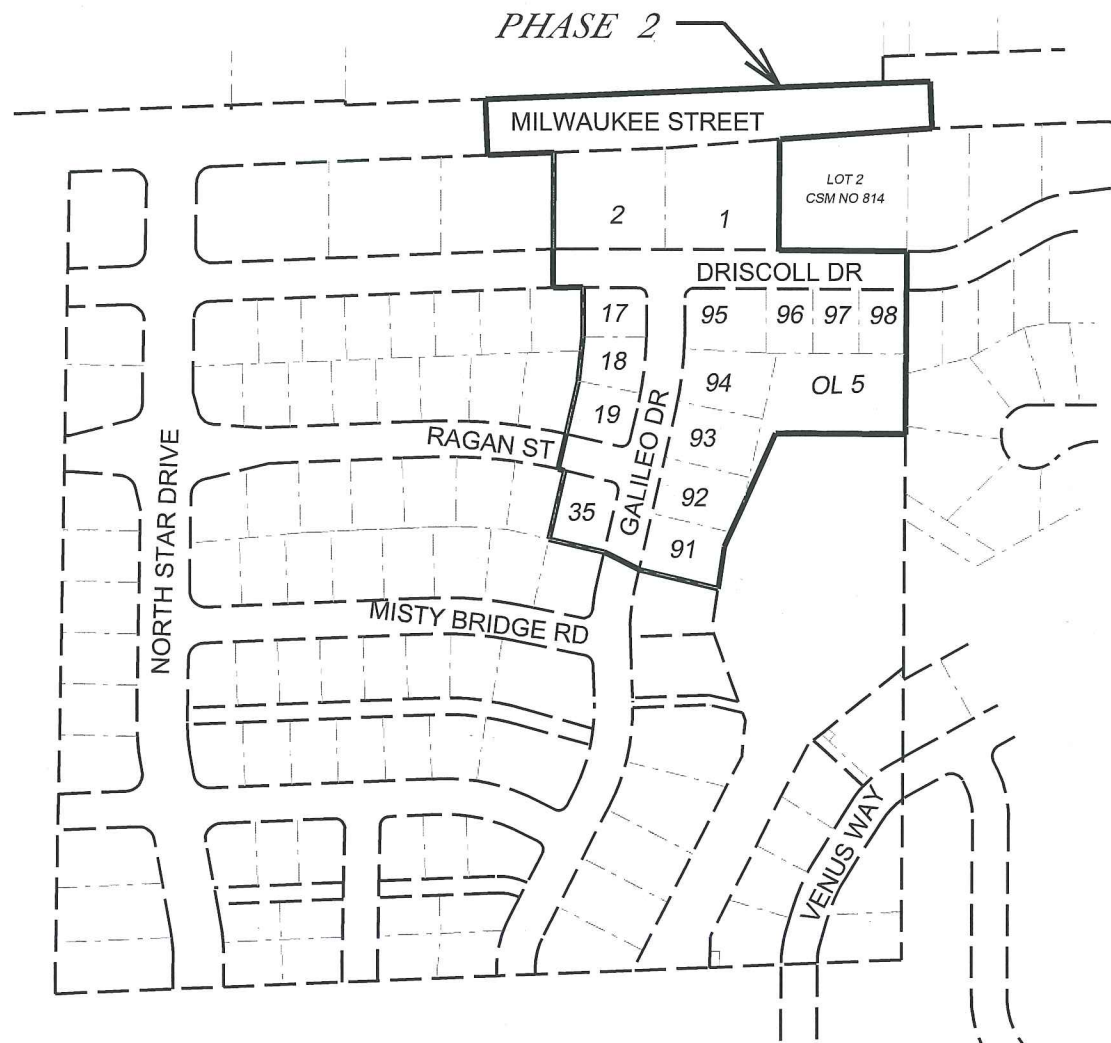
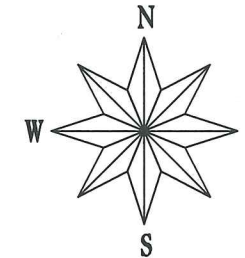
### EASTLAWN PHASE 2

CITY PROJECT NO. 53B2411

MUNIS NO. 10559

CITY CONTRACT NO. 2411

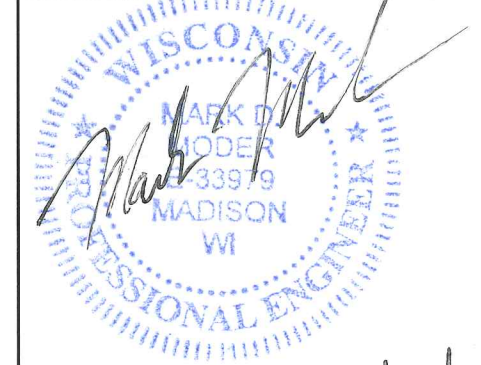
### PROJECT LOCATION



STREET  
DESIGNED BY:



SANITARY SEWER  
DESIGNED BY:



7/20/15

WATER  
DESIGNED BY:



STORM SEWER  
DESIGNED BY:



PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

THE LOCATION AND INFORMATION FOR PROPOSED NEW TREES, IN THE PUBLIC RIGHT OF WAY OR ON PUBLIC LANDS ARE APPROXIMATE AND ARE SHOWN FOR REFERENCE ONLY. THE LOCATIONS, SPECIFICATIONS AND PLANTING METHODS OF ALL PROPOSED NEW OR REPLACEMENT TREES IN THE PUBLIC RIGHT OF WAY OR ON PUBLIC LANDS SHALL BE APPROVED BY THE CITY FORESTER PRIOR TO INSTALLATION.

NO TREES IN THE RIGHT OF WAY OR ON PUBLIC LANDS SHALL BE TRIMMED, PRUNED, REMOVED OR ADVERSELY AFFECTED IN ANY WAY UNTIL THE DEVELOPER HAS RECEIVED WRITTEN PERMISSION FROM THE CITY ENGINEER OR CITY FORESTER. SAID WRITTEN PERMISSION SHALL INCLUDE LANGUAGE INDICATING THAT SECTION 10.101 OF THE MADISON GENERAL ORDINANCES AND ADMINISTRATIVE PROCEDURE MEMORANDUM NO. 6-2, REFERING TO NOTIFICATION OF PROPERTY OCCUPANTS AND/OR OWNERS, HAS BEEN COMPLIED WITH.

THE DEVELOPER/CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN TO CITY OF MADISON TRAFFIC ENGINEERING DIVISION A MINIMUM OF 10 WORKING DAYS PRIOR TO THE ANTICIPATED START OF WORK.

ALL PAVEMENTS WITHIN THE MILWAUKEE STREET RIGHT-OF-WAY SHALL BE TYPE C PAVEMENT. ALL PAVEMENT WITHIN THE DRISCOLL DRIVE, GALILEO DRIVE, AND RAGAN STREET RIGHT-OF-WAY SHALL BE TYPE A PAVEMENT PER STANDARD DETAIL DRAWING 4.02.

UNDERDRAINS SHALL BE INSTALLED, PER STANDARD DETAIL DRAWING 4.05 FOR 75' ON EACH SIDE OF THE LOW POINT, OR TO THE NEAREST CURB HIGH POINT. ALL UNDERDRAIN SHALL BE WRAPPED.

ALL GUTTERS SHALL DRAIN WITH A MINIMUM GRADES OF 0.5% TOWARD STORM SEWER INLETS.

ALL DITCHES SHALL DRAIN WITH A MINIMUM GRADES OF 0.5%

THE CROSS SLOPE OF SIDEWALKS AND BARRIER FREE SIDEWALK CURB RAMPS SHALL BE 1.5%. THE LONGITUDINAL GRADE OF BARRIER FREE SIDEWALK CURB RAMPS SHALL NOT EXCEED 8.33%. ALL SIDEWALK RAMPS SHALL BE CONSTRUCTED ACCORDING TO S.D.D. 3.03. AT ALL OTHER LOCATIONS THE LONGITUDINAL GRADE OF SIDEWALKS SHALL NOT EXCEED 5.0 % OR THE ADJACENT STREET GRADE WHICHEVER IS GREATER NOR BE LESS THAN 0.5% AND SHALL DRAIN TOWARD STORM SEWER INLETS. SIDE SLOPES WITHIN TEN FEET OF A PUBLIC SIDEWALK SHALL NOT EXCEED 4.00:1. ALL SIDEWALK AND SIDEWALK RAMP ELEVATIONS AND GRADES SHALL BE FIELD VERIFIED AND SET TO COMPLY WITH THE CITY OF MADISON STANDARD SPECIFICATIONS AND THE A.D.A. GUIDELINES.

OBTAIN A PRINT OUT OF THE ALIGNMENT FROM THE CITY ENGINEER PRIOR TO STAKING THIS PROJECT.

CURB STATION AND OFFSETS SHALL BE TO THE FACE OF CURB UNLESS OTHERWISE INDICATED. CURB ELEVATIONS SHALL BE TO THE TOP OF CURB (OR EXTENDED TOP OF CURB FOR DRIVEWAYS OR RAMPS) UNLESS OTHERWISE INDICATED.

POWER POLES AND OTHER OBSTRUCTIONS SHALL BE MOVED TO PROVIDE 2 FEET MINIMUM OF CLEAR DISTANCE FROM ANY FACE OF CURB OR EDGE OF SIDEWALK.

ANY INFORMATION SHOWN ON THIS PLAN, WHICH IS NOT PART OF THIS PROJECT, IS PRELIMINARY AND NOT FOR CONSTRUCTION.

THERE MAY BE EXISTING UTILITIES OR OTHER FEATURES WHICH ARE EITHER NOT SHOWN OR SHOWN INCORRECTLY ON THIS PLAN. IT IS THE RESPONSIBILITY OF THE DEVELOPER TO LOCATE AND IDENTIFY ALL UTILITIES AND TOPOGRAPHY WHICH MAY AFFECT THE CONSTRUCTION OF THESE IMPROVEMENTS.

ALL PERMANENT SIGNING AND POSTING WILL BE DETERMINED AND PROVIDED BY THE TRAFFIC ENGINEERING DIVISION, FOLLOWING CONSTRUCTION OF THESE IMPROVEMENTS.

THE DEVELOPER SHALL PROVIDE, INSTALL AND MAINTAIN ALL STREET END BARRICADES, SIGNING AND TRAFFIC CONTROL, AS REQUIRED BY THE CITY TRAFFIC ENGINEER.

PAVEMENT SAWCUTS SHALL BE AS DIRECTED BY THE CITY CONSTRUCTION ENGINEER. SAWCUTS SHOWN ON THE PLAN ARE APPROXIMATE.

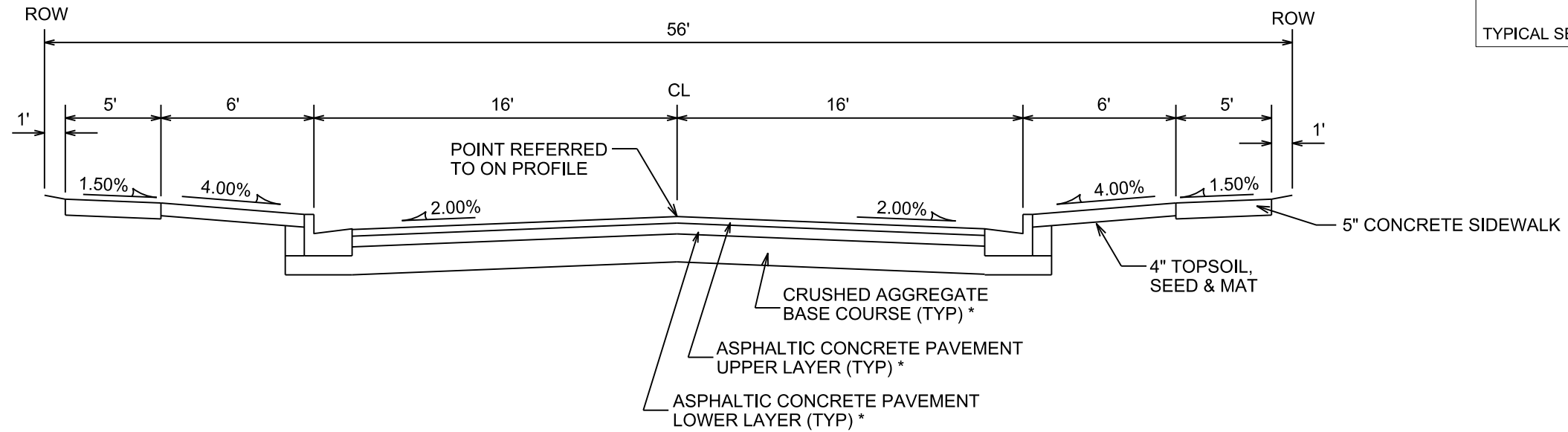
CURB ON CUL DE SACS SHALL BE INSTALLED ACCORDING TO SDD 3.05.

PLOT SCALE:

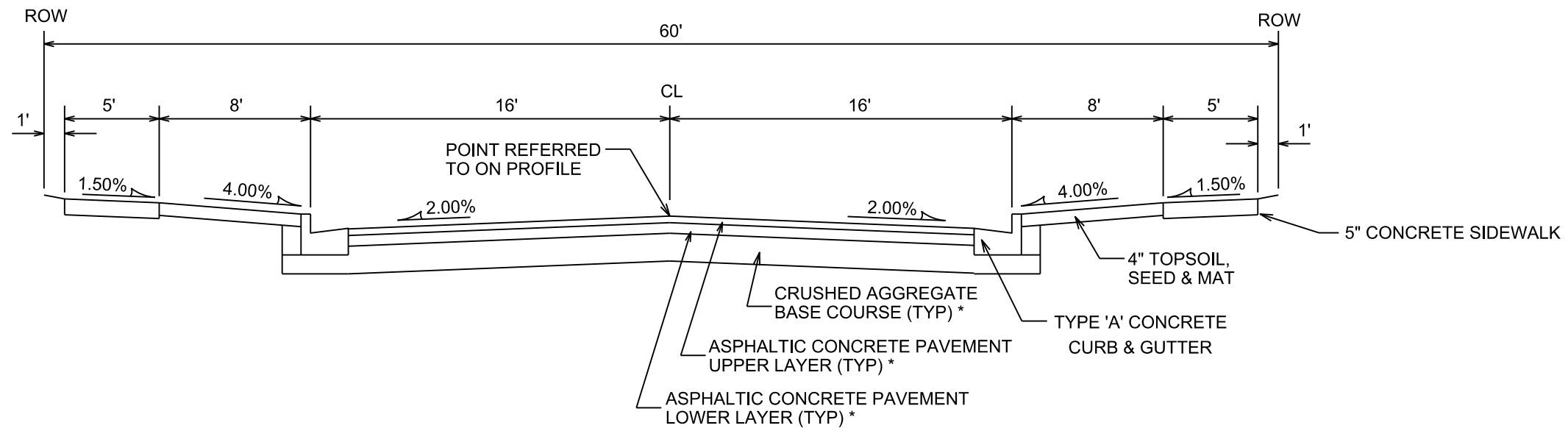
PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



**TYPICAL SECTION**  
RAGAN STREET



**TYPICAL SECTION**  
DRISCOLL DRIVE  
GALILEO DRIVE

CITY OF MADISON MINIMUM PAVEMENT DESIGN

| TYPE | CRUSHED AGG. BASE COURSE |                         | ASPHALTIC CONCRETE PAVEMENT |           |       |           |
|------|--------------------------|-------------------------|-----------------------------|-----------|-------|-----------|
|      | LOWER LAYER GRADATION 1  | UPPER LAYER GRADATION 2 | TYPE                        | THICKNESS | TYPE  | THICKNESS |
| A    | 6"                       | 4"                      | E-0.3                       | 1.75"     | E-0.3 | 1.75"     |
| B    | 6"                       | 4"                      | E-1                         | 2.25"     | E-1   | 2"        |
| C    | 6"                       | 4"                      | E-3                         | 3.25"     | E-3   | 2"        |

NOTES:

TYPICAL SECTIONS NOT TO SCALE

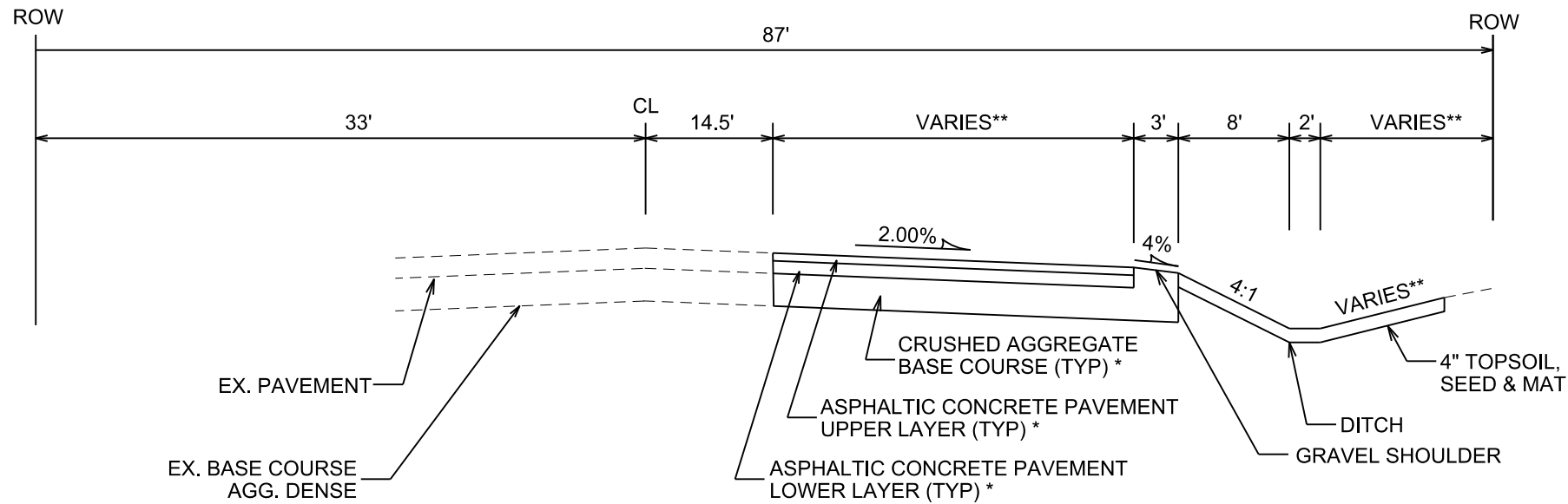
\* ROADWAY TO BE CONSTRUCTED AS TYPE 'A' PAVEMENT PER CITY OF MADISON MINIMUM PAVEMENT DESIGN

PLOT SCALE:

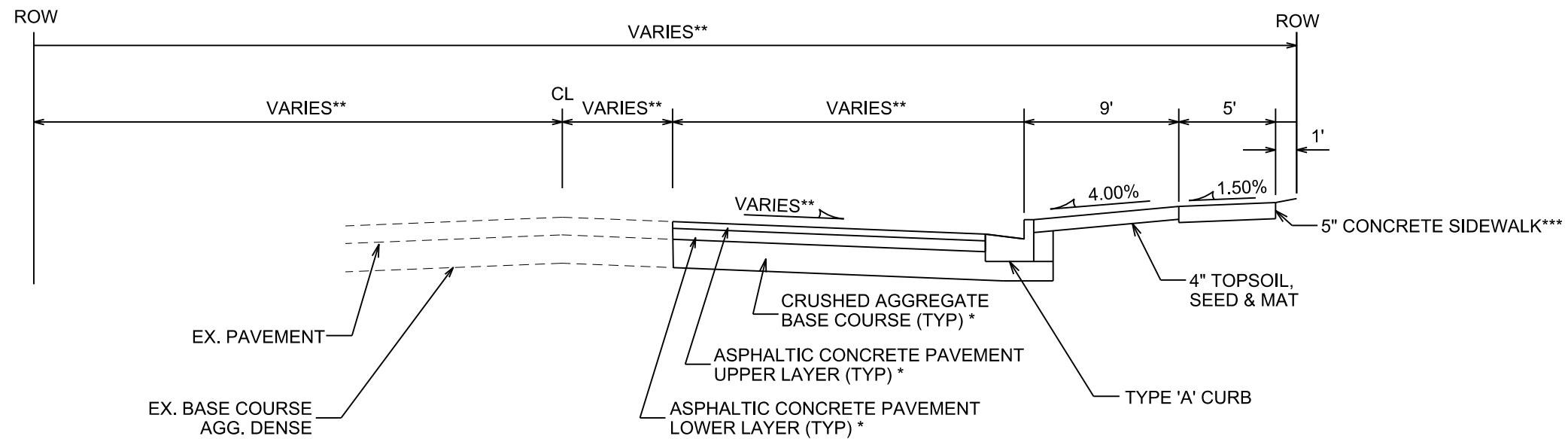
PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



**TYPICAL SECTION**  
MILWAUKEE STREET  
(STA 159+38 TO STA 161+38)



**TYPICAL SECTION**  
MILWAUKEE STREET  
(STA 161+38 TO STA 167+88)

CITY OF MADISON MINIMUM PAVEMENT DESIGN

| TYPE | CRUSHED AGG. BASE COURSE |                         | ASPHALTIC CONCRETE PAVEMENT |                       |                  |                       |
|------|--------------------------|-------------------------|-----------------------------|-----------------------|------------------|-----------------------|
|      | LOWER LAYER GRADATION 1  | UPPER LAYER GRADATION 2 | LOWER LAYER TYPE            | LOWER LAYER THICKNESS | UPPER LAYER TYPE | UPPER LAYER THICKNESS |
| A    | 6"                       | 4"                      | E-0.3                       | 1.75"                 | E-0.3            | 1.75"                 |
| B    | 6"                       | 4"                      | E-1                         | 2.25"                 | E-1              | 2"                    |
| C    | 6"                       | 4"                      | E-3                         | 3.25"                 | E-3              | 2"                    |

NOTES:

TYPICAL SECTIONS NOT TO SCALE

\* MILWAUKEE ST TO BE CONSTRUCTED AS TYPE 'C' PAVEMENT PER CITY OF MADISON MINIMUM PAVEMENT DESIGN

\*\* SEE PLANS AND CROSS SECTIONS FOR OFFSETS, ELEVATIONS, AND SLOPES

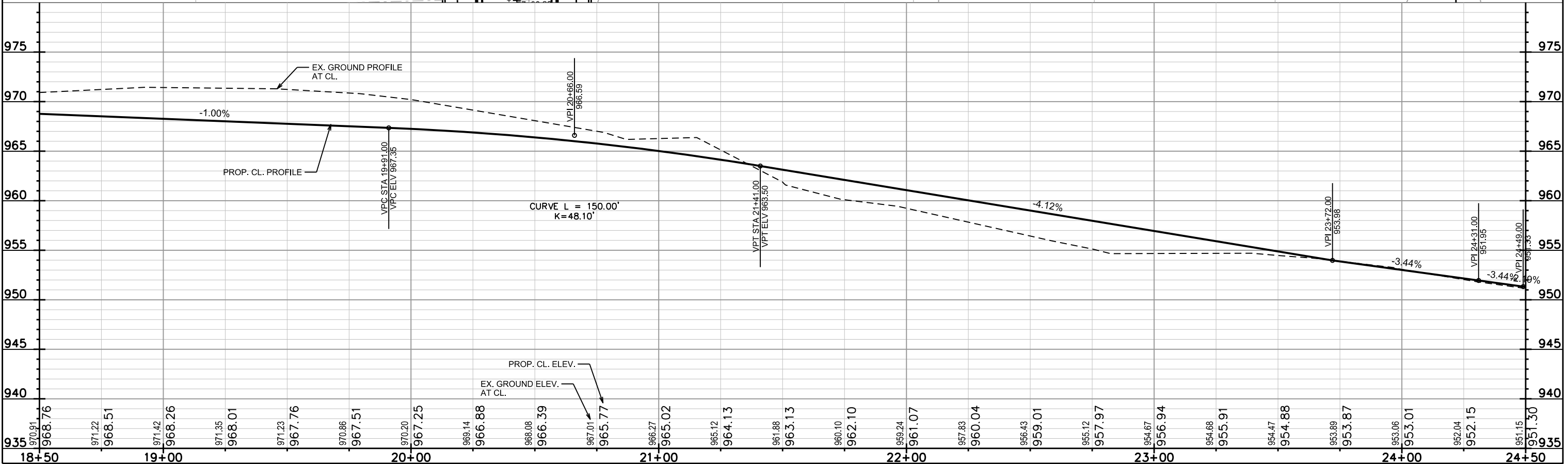
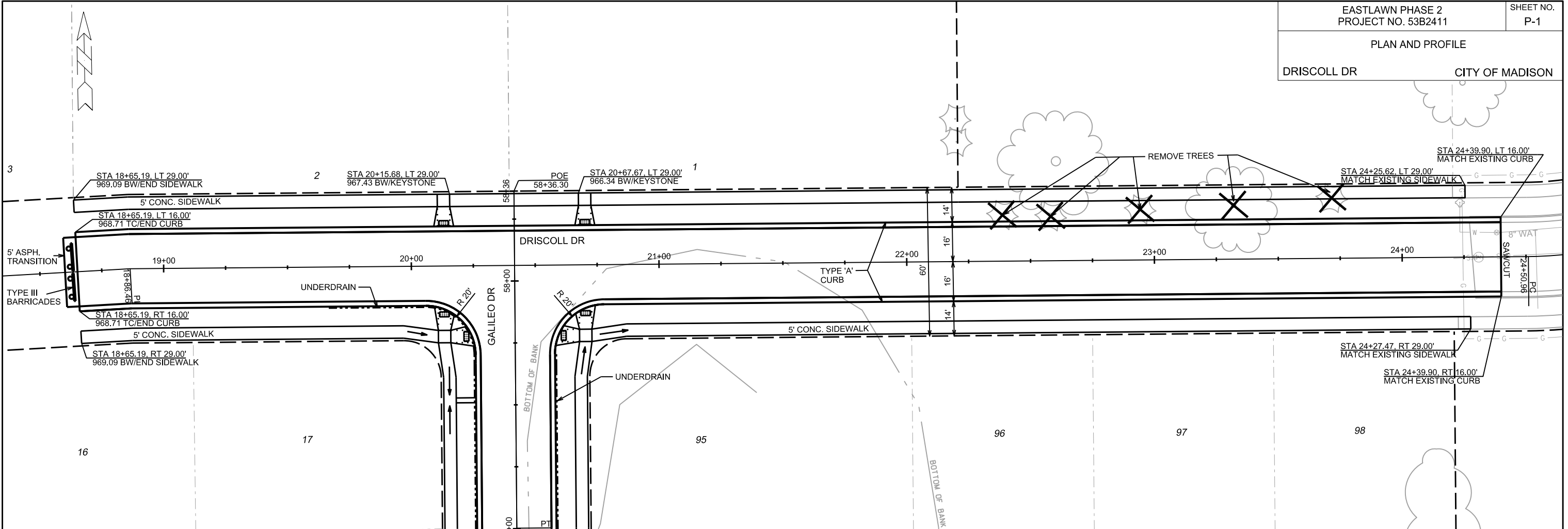
\*\*\* INSTALL SIDEWALK FROM STA 161+38 TO STA 166+95. MATCH EX. SIDEWALK AT STA 166+95

PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



PLOT SCALE:

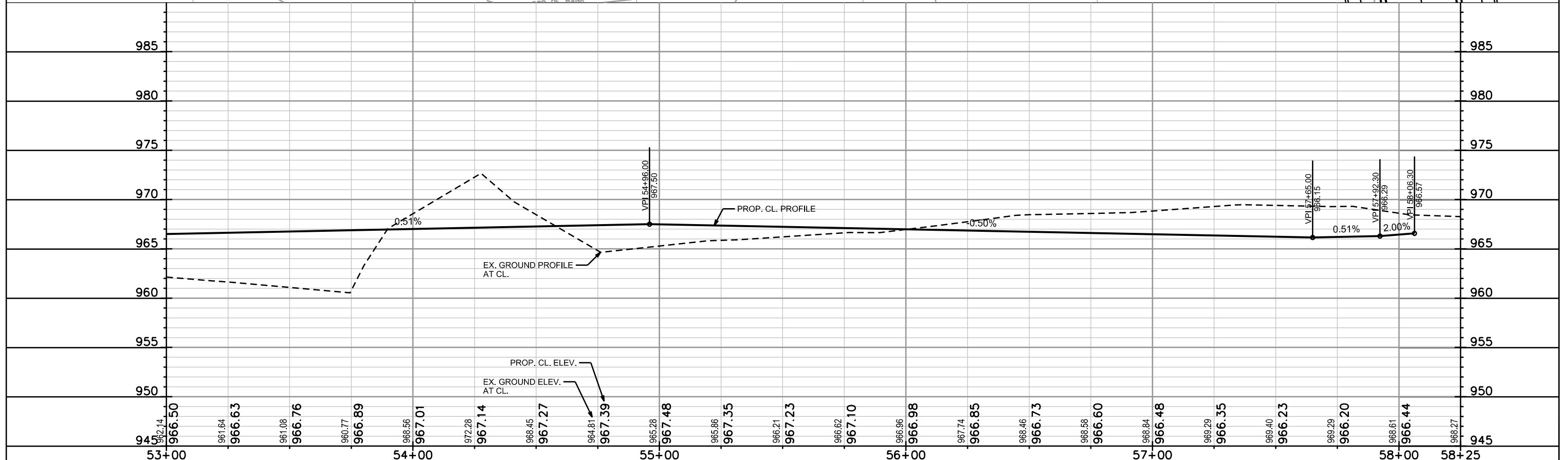
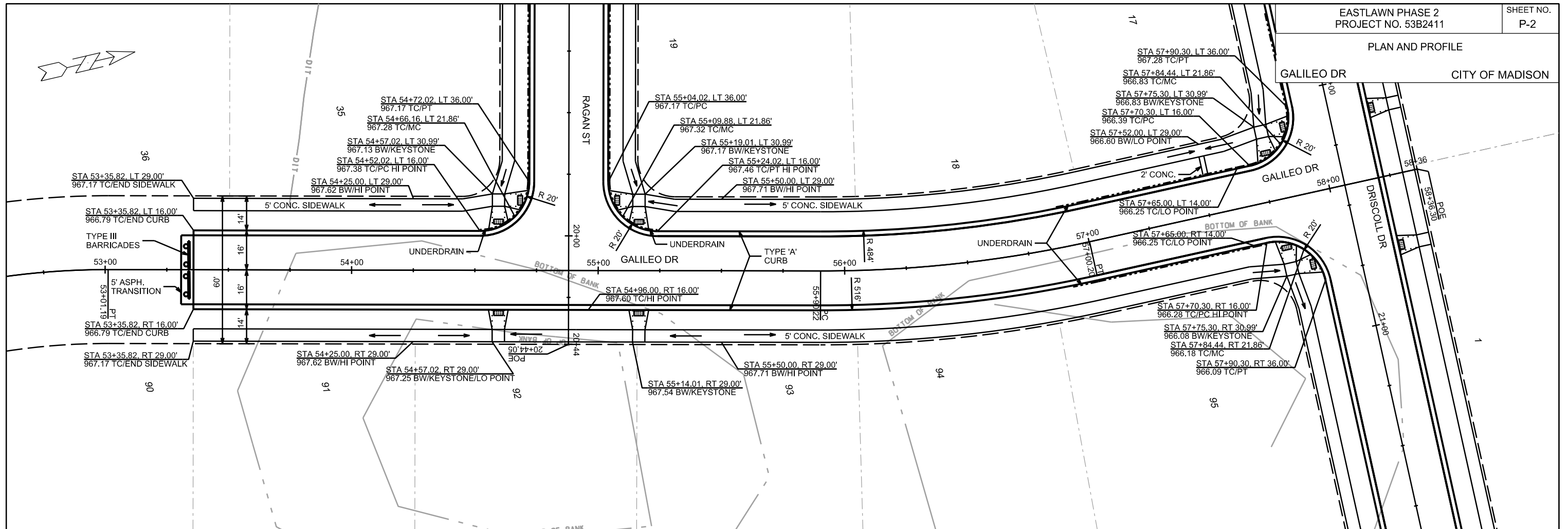
PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

PLAN AND PROFILE

GALILEO DR CITY OF MADISON



PLOT SCALE: \_\_\_\_\_

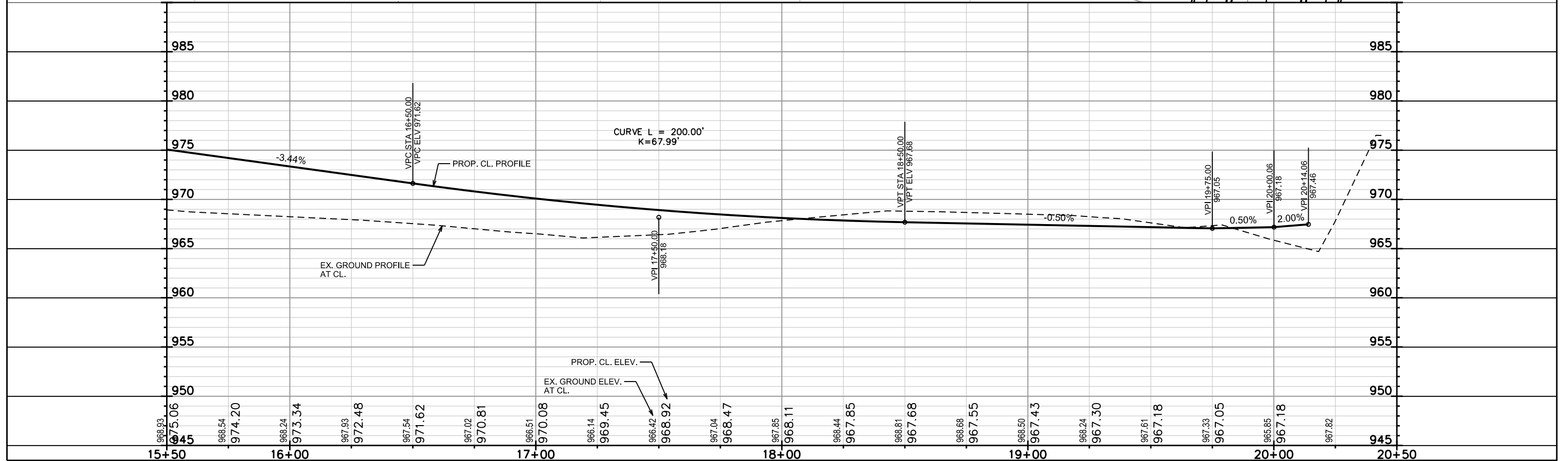
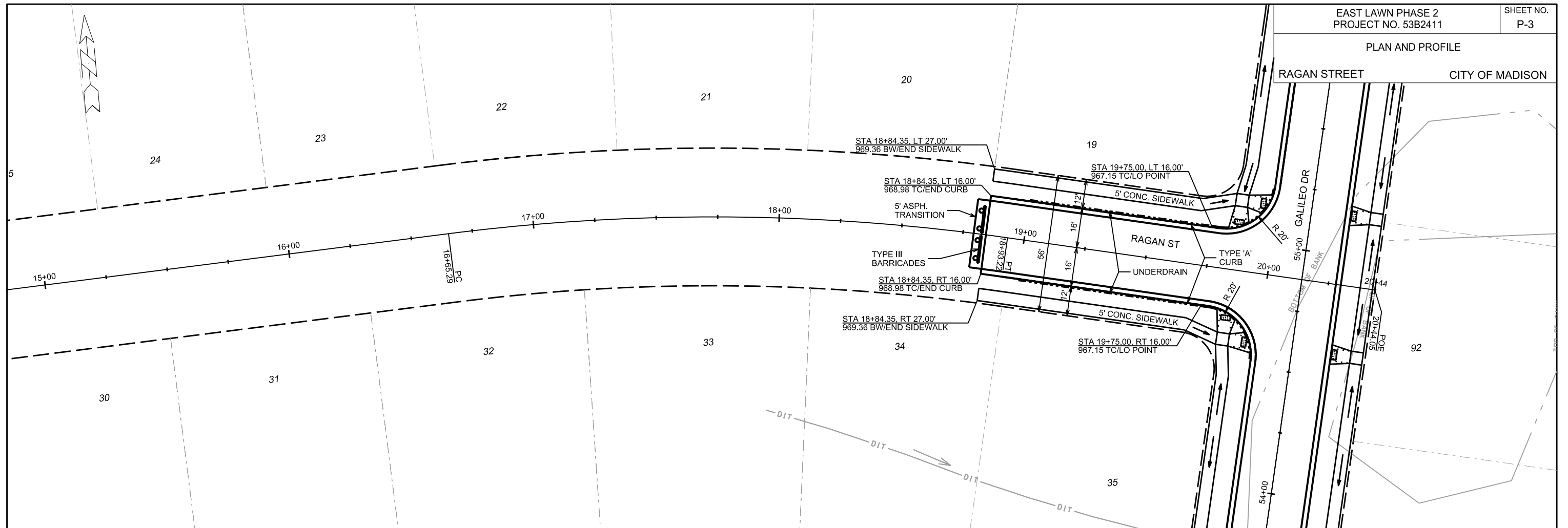
PLOT NAME: \_\_\_\_\_

REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

PLAN AND PROFILE

RAGAN STREET CITY OF MADISON

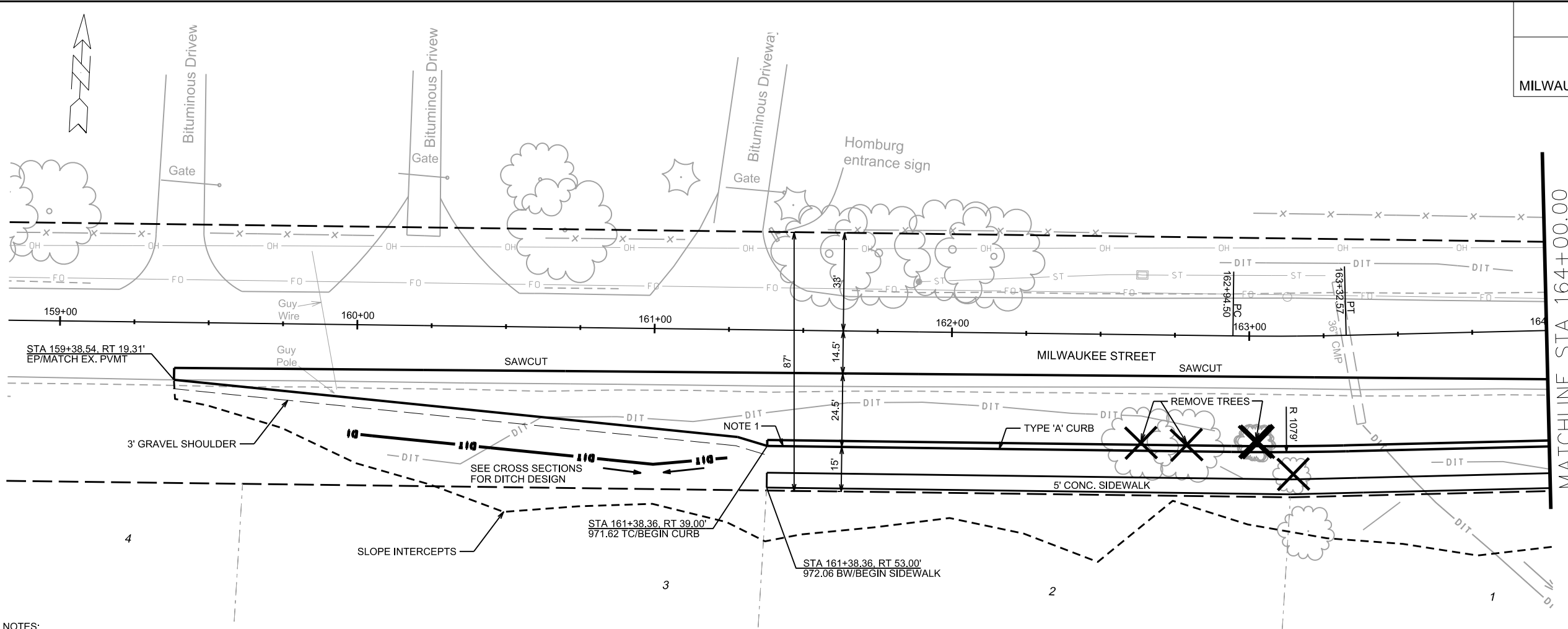


PLOT SCALE:

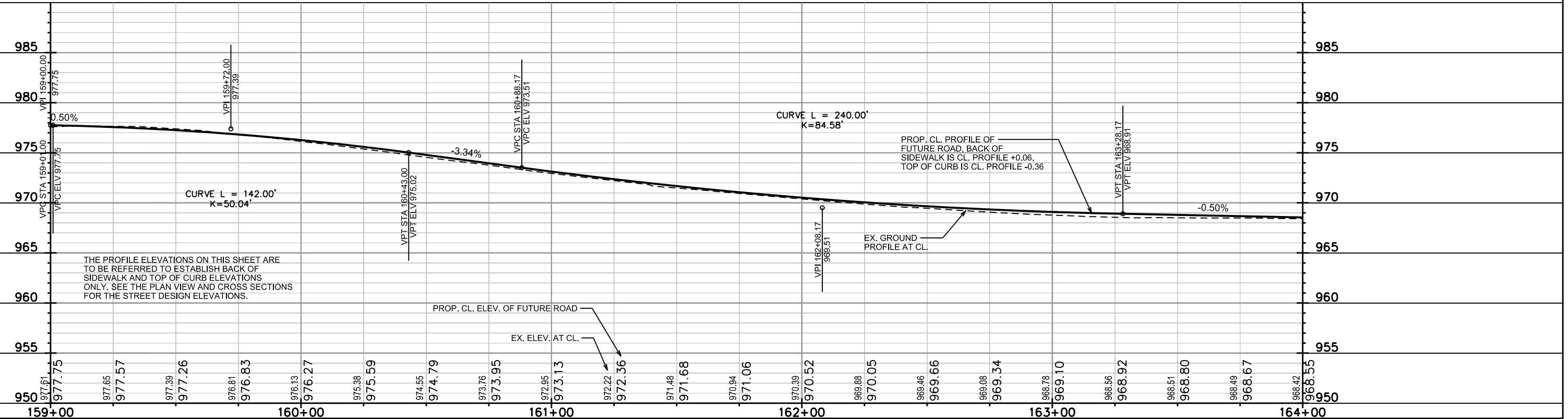
PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



- NOTES:
1. TRANSITION CURB HEAD FROM 6" TO 0" OVER 10 FEET
  2. REMOVAL, REPLACEMENT, OR RELOCATION OF OVERHEAD WIRES, POLES, PEDESTALS, AND OTHER FACILITIES BY OTHERS. COORDINATE WITH UTILITY COMPANIES



THE PROFILE ELEVATIONS ON THIS SHEET ARE TO BE REFERRED TO ESTABLISH BACK OF SIDEWALK AND TOP OF CURB ELEVATIONS ONLY. SEE THE PLAN VIEW AND CROSS SECTIONS FOR THE STREET DESIGN ELEVATIONS.

PROP. CL. PROFILE OF FUTURE ROAD, BACK OF SIDEWALK IS CL. PROFILE +0.06, TOP OF CURB IS CL. PROFILE -0.36

EX. GROUND PROFILE AT CL.

PROP. CL. ELEV. OF FUTURE ROAD

EX. ELEV. AT CL.

PLOT SCALE:

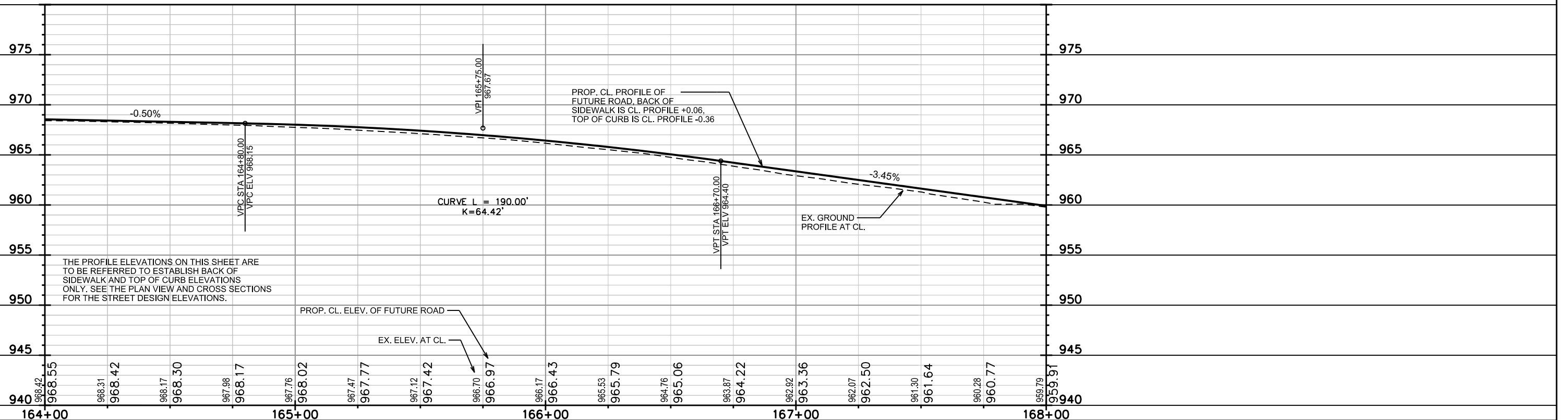
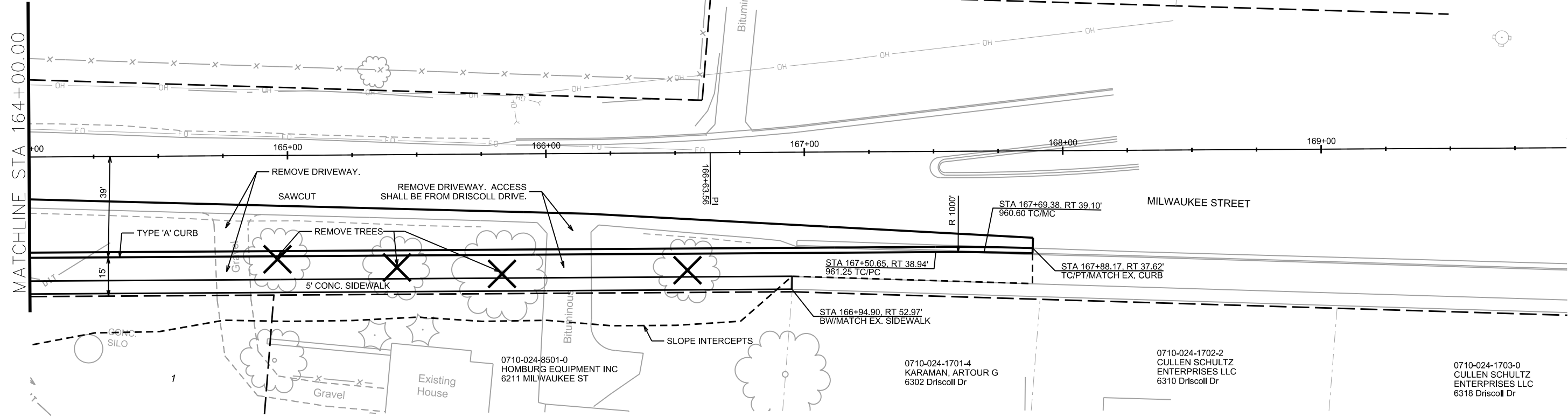
PLOT NAME:

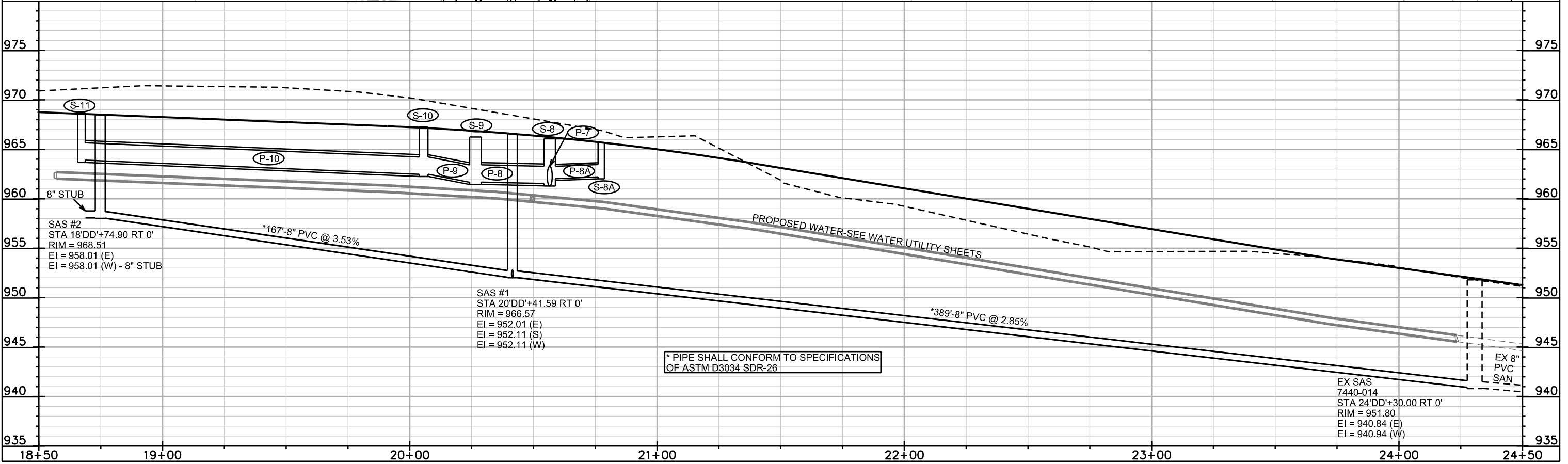
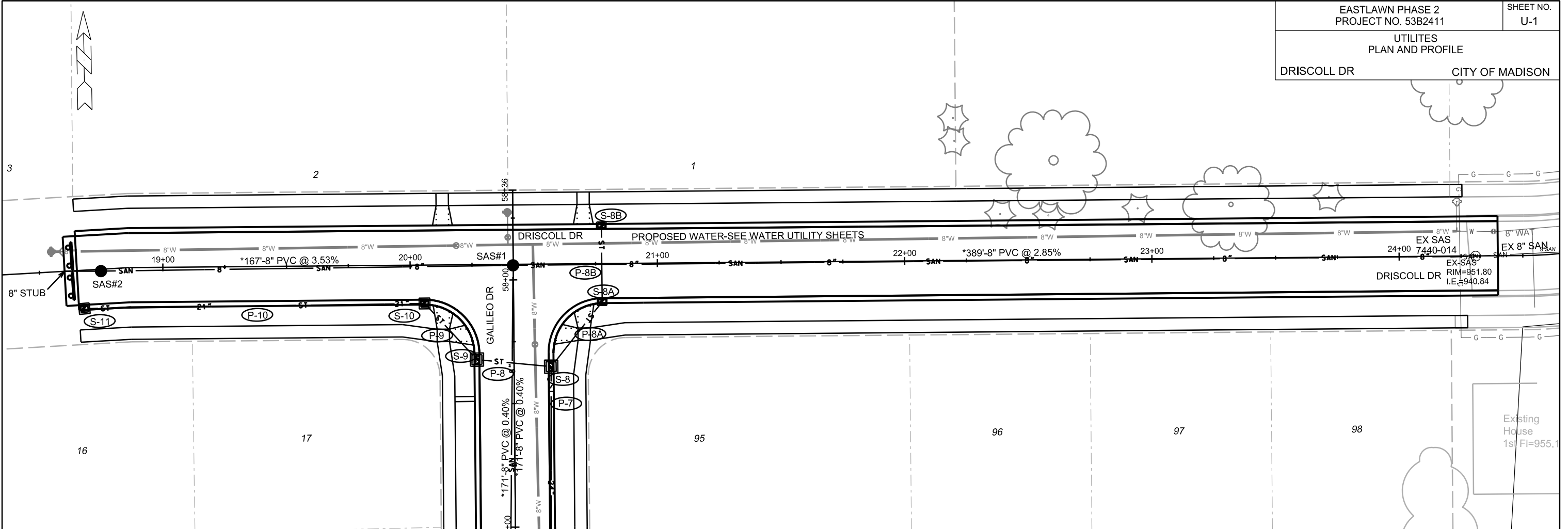
REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



NOTES:  
REMOVAL, REPLACEMENT, OR RELOCATION OF OVERHEAD WIRES, POLES,  
PEDESTALS, AND OTHER FACILITIES BY OTHERS. COORDINATE WITH UTILITY COMPANIES





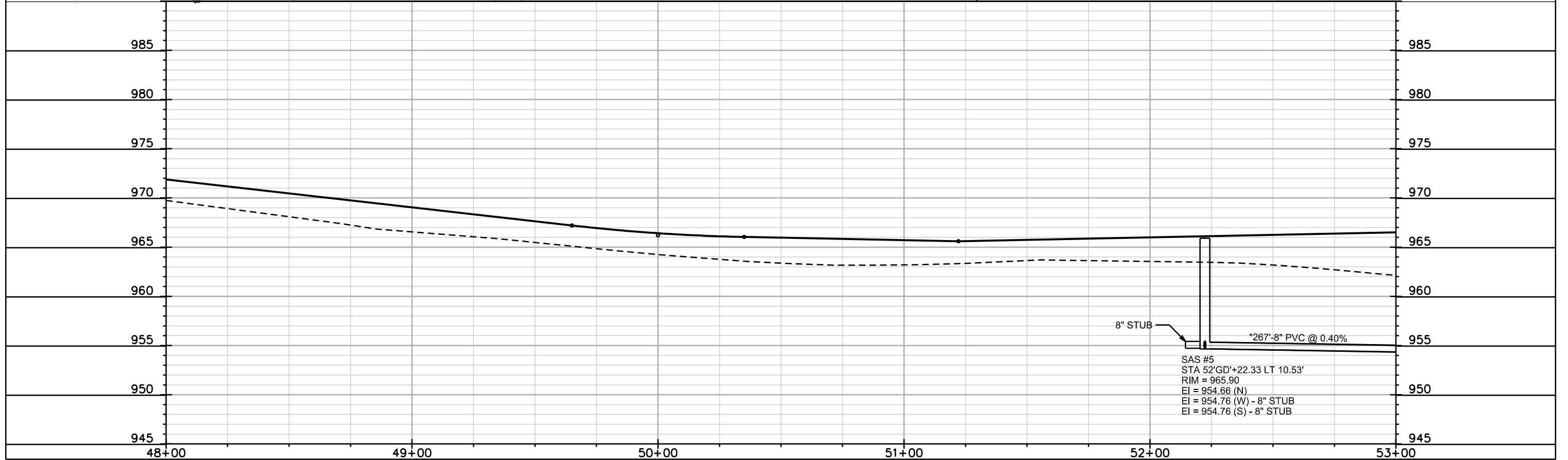
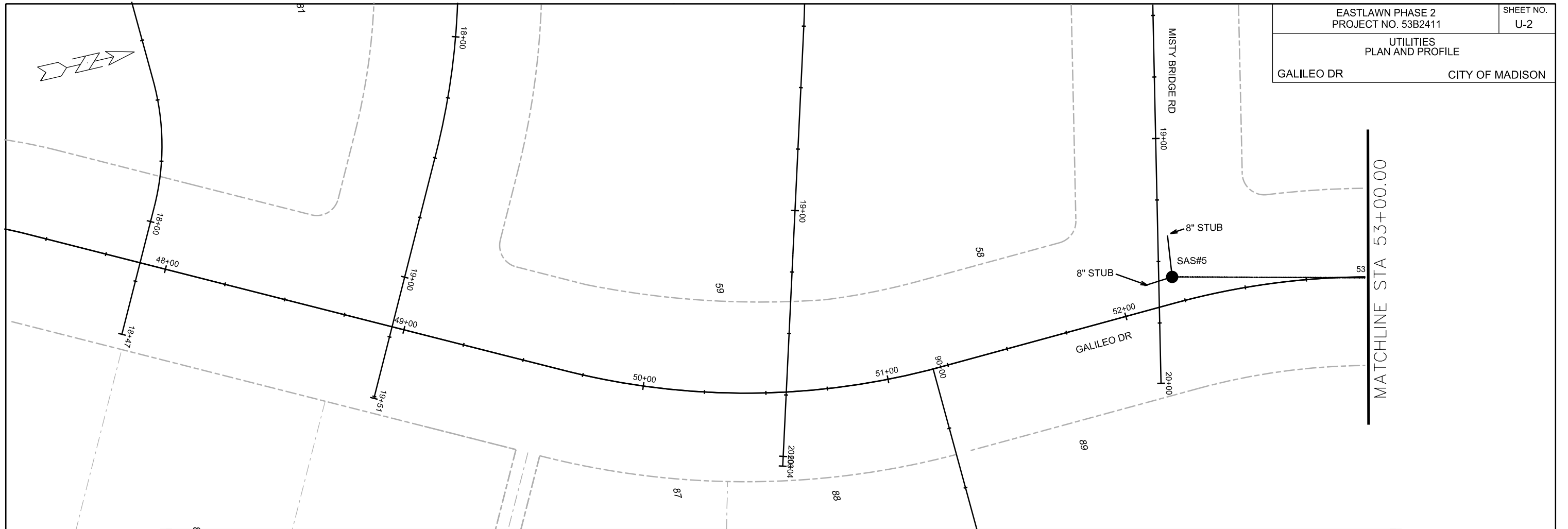
PLOT SCALE: \_\_\_\_\_

PLOT NAME: \_\_\_\_\_

REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

UTILITIES  
PLAN AND PROFILE  
GALILEO DR CITY OF MADISON

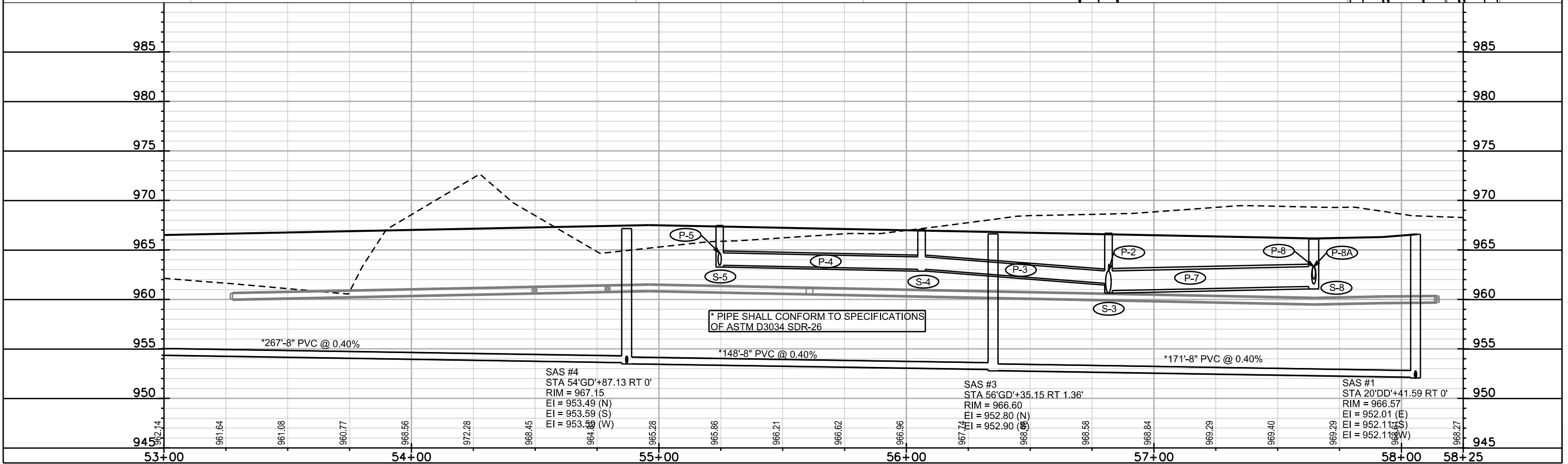
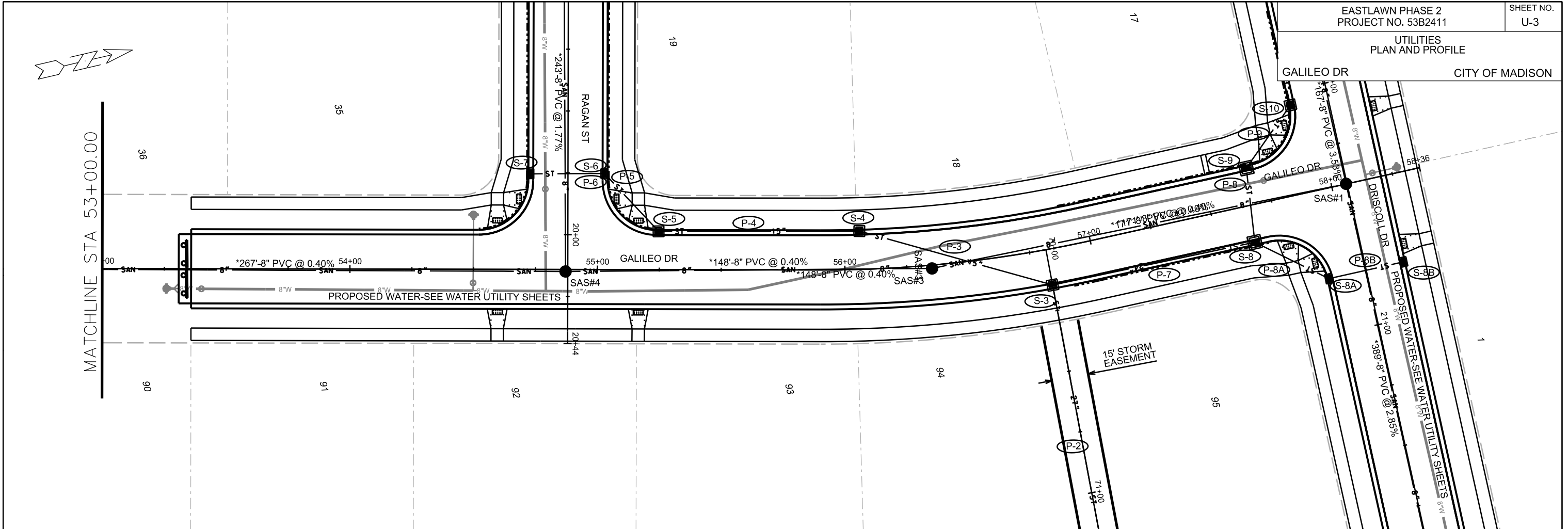


SAS #5  
STA 52+GD'+22.33 LT 10.53'  
RIM = 965.90  
EI = 954.66 (N)  
EI = 954.76 (W) - 8" STUB  
EI = 954.76 (S) - 8" STUB

PLOT SCALE: \_\_\_\_\_  
PLOT NAME: \_\_\_\_\_  
REV. DATE: \_\_\_\_\_  
ORIGINATOR: CITY OF MADISON - STREETS DIVISION

UTILITIES  
PLAN AND PROFILE

GALILEO DR CITY OF MADISON



SAS #4  
STA 54'GD'+87.13 RT 0'  
RIM = 967.15  
EI = 953.49 (N)  
EI = 953.59 (S)  
EI = 953.89 (W)

SAS #3  
STA 56'GD'+35.15 RT 1.36'  
RIM = 966.60  
EI = 952.80 (N)  
EI = 952.90 (S)

SAS #1  
STA 20'DD'+41.59 RT 0'  
RIM = 966.57  
EI = 952.01 (E)  
EI = 952.11 (S)  
EI = 952.11 (W)

PLOT SCALE: \_\_\_\_\_

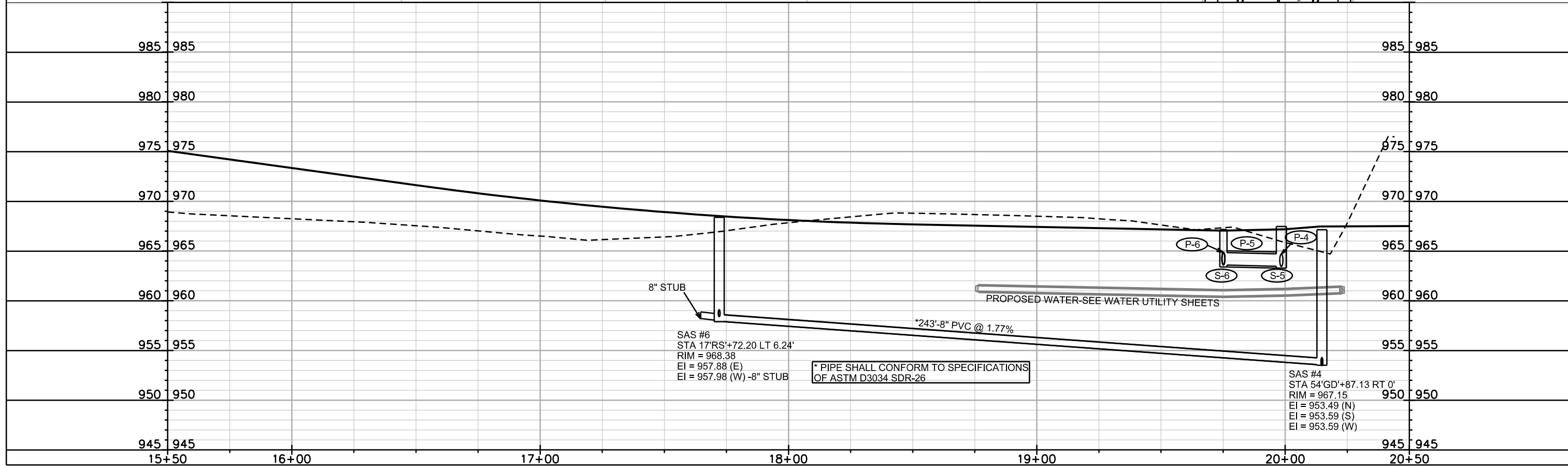
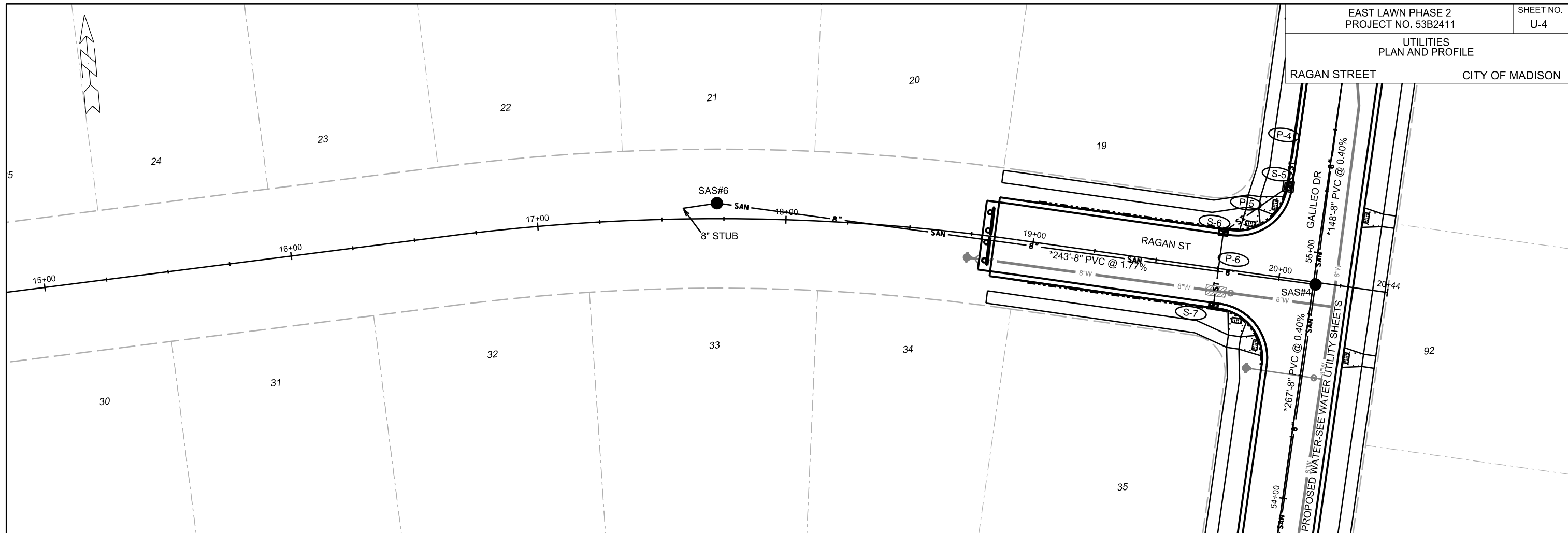
PLOT NAME: \_\_\_\_\_

REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

UTILITIES  
PLAN AND PROFILE

RAGAN STREET CITY OF MADISON



SAS #6  
STA 17'RS'+72.20 LT 6.24'  
RIM = 968.38  
EI = 957.88 (E)  
EI = 957.98 (W) -8" STUB

\* PIPE SHALL CONFORM TO SPECIFICATIONS  
OF ASTM D3034 SDR-26

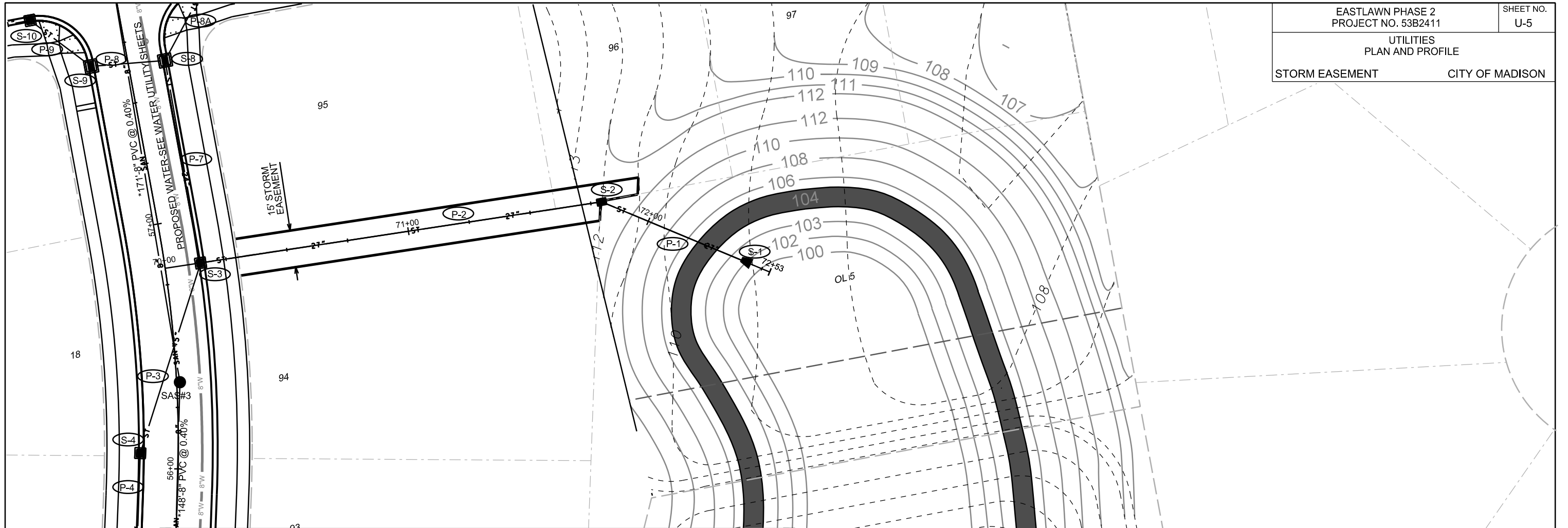
SAS #4  
STA 54'GD'+87.13 RT 0'  
RIM = 967.15  
EI = 953.49 (N)  
EI = 953.59 (S)  
EI = 953.59 (W)

PLOT SCALE: \_\_\_\_\_

PLOT NAME: \_\_\_\_\_

REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



PLOT SCALE: \_\_\_\_\_

PLOT NAME: \_\_\_\_\_

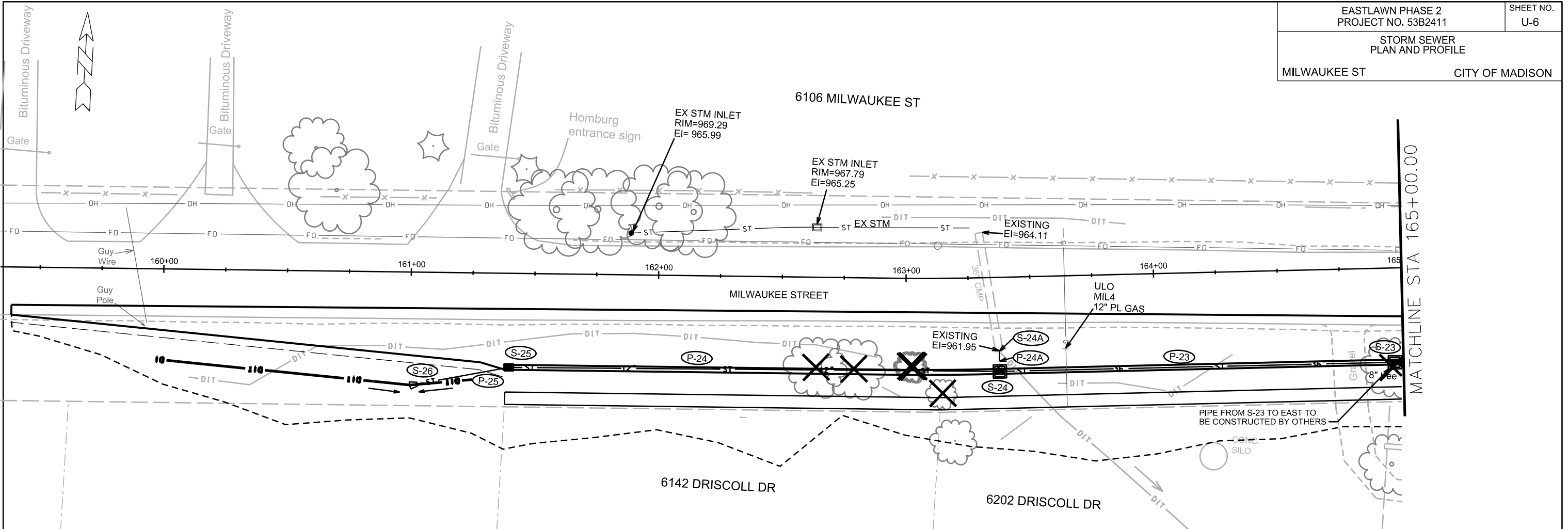
REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

STORM SEWER  
PLAN AND PROFILE

MILWAUKEE ST

CITY OF MADISON



PLOT SCALE: \_\_\_\_\_

PLOT NAME: \_\_\_\_\_

REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

# SANITARY SCHEDULE

## ALIGNMENT CODES:

"DD"= DRISCOLL DRIVE  
 "GD"=GALILEO DRIVE  
 "RS"=RAGAN STREET

|                                       |                  |
|---------------------------------------|------------------|
| EASTLAWN PH. 2<br>PROJECT NO. 53B2411 | SHEET NO.<br>U-7 |
| SANITARY SEWER SCHEDULE               |                  |
| CITY OF MADISON                       |                  |

### PROPOSED SANITARY STRUCTURES

| SAS NO. | STATION      | LOCATION (OFFSET) | TOP OF CASTING | E.I.   | DEPTH | NOTES |
|---------|--------------|-------------------|----------------|--------|-------|-------|
| SAS#1   | 20'DD'+41.59 | CL                | 966.57         | 952.01 | 14.56 | -     |
| SAS#2   | 18'DD'+74.90 | CL                | 968.51         | 958.01 | 10.50 | -     |
| SAS#3   | 56'GD'+35.15 | RT-1.36           | 966.60         | 952.80 | 13.80 | -     |
| SAS#4   | 54'GD'+87.13 | CL                | 967.15         | 953.49 | 13.66 | -     |
| SAS#5   | 52'GD'+22.33 | LT-10.53          | 965.90         | 954.66 | 11.24 | -     |
| SAS#6   | 17'RS'+72.20 | LT-6.24           | 968.38         | 957.88 | 10.50 | -     |

### PROPOSED SANITARY PIPES

| FROM SAS (DWNSTRM) | TO SAS (UPSTREAM) | EI # (DWNSTRM) | EI # (UPSTRM) | PLAN LENGTH (FT) | SLOPE (%) | SIZE (DIA) | PVC TYPE | NOTES |
|--------------------|-------------------|----------------|---------------|------------------|-----------|------------|----------|-------|
| EX SAS 7440-014    | SAS#1             | 940.94         | 952.01        | 389              | 2.85%     | 8"         | SDR-26   | -     |
| SAS#1              | SAS#2             | 952.11         | 958.01        | 167              | 3.53%     | 8"         | SDR-26   | -     |
| SAS#1              | SAS#3             | 952.11         | 952.80        | 171              | 0.40%     | 8"         | SDR-26   | -     |
| SAS#3              | SAS#4             | 952.90         | 953.49        | 148              | 0.40%     | 8"         | SDR-26   | -     |
| SAS#4              | SAS#5             | 953.59         | 954.66        | 267              | 0.40%     | 8"         | SDR-26   | -     |
| SAS#4              | SAS#6             | 953.59         | 957.88        | 243              | 1.77%     | 8"         | SDR-26   | -     |

REV. DATE: \_\_\_\_\_  
 PLOT NAME: \_\_\_\_\_  
 PLOT SCALE: \_\_\_\_\_



# STORM SEWER SCHEDULE

## ALIGNMENT CODES:

'DD' = DRISCOLL DRIVE  
 'GD' = GALILEO DRIVE  
 'RS' = RAGAN STREET  
 'SE' = STORM EASEMENT

EASTLAWN PH. 2  
 PROJECT NO. 53B2411

SHEET NO.  
 U-8

STORM SEWER SCHEDULE CITY OF MADISON

## STRUCTURES

| STRUC. NO. | STATION       | LOCATION (OFFSET) | TYPE            | TOP OF CASTING | E.I.   | DEPTH | NOTES                          |
|------------|---------------|-------------------|-----------------|----------------|--------|-------|--------------------------------|
| S-1        | 72'SE'+46.51  | CL                | 27" RCP AE      | -              | 946.60 | -     | PIPE TIES NEEDED               |
| S-2        | 71'SE'+79.41  | CL                | 3X3 SAS         | 957.60         | 952.80 | 4.80  | W/ R-3067-V-7004               |
| S-3        | 56'GD'+81.79  | LT-15.50          | 3X3 SAS         | 966.67         | 960.62 | 6.05  | FP; W/ R-3067-V-7004           |
| S-4        | 56'GD'+06.29  | RT-15.50          | 3X3 SAS         | 967.05         | 963.03 | 4.02  | W/ R-3067-V-7004               |
| S-5        | 55'GD'+24.02  | LT-15.50          | 3X3 SAS         | 967.46         | 963.44 | 4.02  | W/ R-3067-V-7004               |
| S-6        | 19'RS'+75.00  | LT-15.50          | H INLET         | 967.15         | 963.60 | 3.55  | LP; W/ R-3067-7004-VB; (1)     |
| S-7        | 19'RS'+75.00  | RT-15.50          | H INLET         | 967.15         | 963.75 | 3.40  | LP; W/ R-3067-7004-VB; (1)     |
| S-8        | 57'GD'+65.00  | RT-15.50          | 3X3 SAS         | 966.09         | 961.29 | 4.80  | FP; LP; W/ R-3067-7004-VB; (1) |
| S-8A       | 20'DD'+77.68  | RT-15.50          | H INLET         | 965.69         | 962.21 | 3.48  | W/ R-3067-V-7004               |
| S-8B       | 20'DD'+77.44  | LT-15.50          | H INLET         | 965.69         | 962.62 | 3.07  | W/ R-3067-V-7004               |
| S-9        | 57'GD'+65.00  | LT-15.50          | 3X3 SAS         | 966.25         | 961.69 | 4.56  | LP; W/ R-3067-7004-VB; (1)     |
| S-10       | 20'DD'+05.68  | RT-15.50          | 3X3 SAS         | 967.28         | 962.48 | 4.80  | W/ R-3067-V-7004               |
| S-11       | 18'DD'+67.34  | RT-15.50          | 3X3 SAS         | 968.71         | 963.91 | 4.80  | W/ R-3067-V-7004               |
| S-23       | 164'MS'+97.26 | RT-21.51          | 4X4 SAS         | 967.68         | 960.24 | 7.44  | W/ R-3067-V-7004; (2)          |
| S-24       | 163'MS'+37.00 | RT-38.00          | 4X4 SAS         | 968.50         | 961.00 | 7.50  | W/ R-3067-V-7004               |
| S-24A      | 163'MS'+37.25 | RT-16.38          | CONCRETE COLLAR | -              | 961.95 | -     | -                              |
| S-25       | 161'MS'+39.79 | RT-16.40          | H INLET         | 971.59         | 967.99 | 3.60  | W/ R-3067-V-7004               |
| S-26       | 161'MS'+00.00 | RT-45.77          | 12" RCP AE      | -              | 970.34 | -     | W/ GATE                        |

## PIPES

| PIPE NO. | FROM (DNSTM) | TO (UPSTM) | LGTH (FT) | DISCH. E.I. | INLET E.I. | SLOPE (%) | PIPE SIZE | TYPE | NOTES            |
|----------|--------------|------------|-----------|-------------|------------|-----------|-----------|------|------------------|
| P-1      | S-1          | S-2        | 67        | 946.60      | 952.80     | 9.25%     | 27"       | RCP  | PIPE TIES NEEDED |
| P-2      | S-2          | S-3        | 165       | 952.80      | 960.62     | 4.74%     | 27"       | RCP  | -                |
| P-3      | S-3          | S-4        | 81        | 961.62      | 963.03     | 1.74%     | 15"       | RCP  | -                |
| P-4      | S-4          | S-5        | 81        | 963.03      | 963.44     | 0.51%     | 15"       | RCP  | -                |
| P-5      | S-5          | S-6        | 32        | 963.44      | 963.60     | 0.50%     | 15"       | RCP  | -                |
| P-6      | S-6          | S-7        | 30        | 963.60      | 963.75     | 0.50%     | 15"       | RCP  | -                |
| P-7      | S-3          | S-8        | 83        | 960.87      | 961.29     | 0.51%     | 24"       | RCP  | -                |
| P-8      | S-8          | S-9        | 30        | 961.54      | 961.69     | 0.50%     | 21"       | RCP  | -                |
| P-8A     | S-8          | S-8A       | 33        | 962.04      | 962.21     | 0.52%     | 15"       | RCP  | -                |
| P-8B     | S-8A         | S-8B       | 31        | 962.46      | 962.62     | 0.52%     | 12"       | RCP  | -                |
| P-9      | S-9          | S-10       | 31        | 961.69      | 962.48     | 2.55%     | 21"       | RCP  | -                |
| P-10     | S-10         | S-11       | 137       | 962.48      | 963.91     | 1.04%     | 21"       | RCP  | -                |
| P-23     | S-23         | S-24       | 160       | 960.24      | 961.00     | 0.50%     | 36"       | RCP  | -                |
| P-24     | S-24         | S-25       | 199       | 963.00      | 967.99     | 2.56%     | 12"       | RCP  | -                |
| P-24A    | S-24         | S-24A      | 9         | 961.00      | 961.95     | 10.56%    | 36"       | RCP  | -                |
| P-25     | S-25         | S-26       | 41        | 967.99      | 970.34     | 6.27%     | 12"       | RCP  | -                |

## SPECIFIC NOTES

- (1) STORM STRUCTURE SHALL HAVE A 2 INCH PVC PIPE INSTALLED FROM AND THROUGH THE FRONT WALL OF THE INLET, BENT UP TO THE TOP OF THE SURFACE COURSE BINDER IN FRONT OF THE INLET SUCH THAT THE CENTER OF THE PIPE IS 5 INCHES FROM THE EDGE OF GUTTER. WHEN THE PAVEMENT IS BEING PREPARED FOR SURFACE, IT IS THE CONTRACTORS RESPONSIBILITY TO SAW CUT OUT A 2FT X 2FT SQUARE TO REMOVE THE PIPE, PATCH THE INLET, PATCH THE BINDER AND PAVE THE STREET.
- (2) PIPE FROM S-23 TO EAST TO BE CONSTRUCTED BY OTHERS

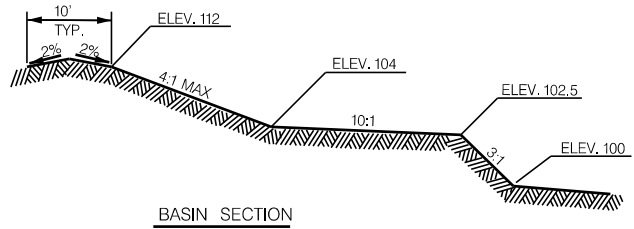
## STANDARD NOTES:

- ABBREVIATIONS: AE = APRON ENDWALL; RCP = REINFORCED CONCRETE PIPE; HERCP = HORIZONTAL ELLIPTICAL REINFORCED CONCRETE PIPE; DNA = DOES NOT APPLY; SAS = SEWER ACCESS STRUCTURE; LP = LOW POINT INLET STRUCTURE; FP = FIELD POURED STRUCTURE; TR = TOP OF CONCRETE ROOF; NCM = NO CROWN MATCH FOR PIPES
- APPROXIMATE DISCHARGE E.I. GIVEN, ADJUST E.I. AND PIPE SLOPE IN THE FIELD.
- TOP OF CASTING GRADE GIVEN IS THE TOP OF CURB FOR INLET STRUCTURES AND THE FLOWLINE OF THE CLOSED CASTING FOR SAS's.
- TOP OF CONCRETE ROOF (TR) IS 1.25' BELOW TOP OF CASTING UNLESS OTHERWISE NOTED.
- ALL REINFORCED CONCRETE PIPES TO BE CLASS III UNLESS OTHERWISE NOTED.
- SURVEYOR TO CONFIRM THAT ALL INLET STATION / OFFSETS LINE UP WITH PROPOSED CURB AND GUTTER.
- ALL STRUCTURES CALLED OUT AS FIELD POURED SHALL BE FIELD POURED. ALL OTHER STRUCTURES (NOT INDICATED AS FIELD POURED) SHALL BE SUBMITTED TO CITY ENGINEERING FOR APPROVAL IF PRECAST STRUCTURES ARE PREFERRED. CONTACT ELIA E. ACOSTA OF CITY ENGINEERING AT (608) 266-4096 FOR PRECAST APPROVALS, OR FAX SHOP DRAWINGS TO (608)264-9275.

MILWAUKEE STREET

**GRADING/SEEDING NOTES**

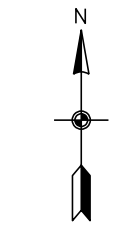
1. ALL PROPOSED GRADES SHOWN ARE FINISHED GRADES. CONTRACTOR SHALL VERIFY ALL GRADES, MAKE SURE ALL AREAS DRAIN PROPERLY AND SHALL REPORT ANY DISCREPANCIES TO ENGINEERING PRIOR TO CONSTRUCTION
2. THE CONTRACTOR SHALL USE THE DETENTION BASIN SEED MIX LISTED IN ARTICLE 207.2(a)4 OF THE CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION MARCH 2004 EDITION. ALL APPLICATION RATES FOR FERTILIZER, SEED AND MULCH SHALL COMPLY WITH ARTICLE 207 AS WELL.



ONE ROLL CLASS I, TYPE-A  
EROSION MATTING, CENTERED  
ON ELEVATION 104.00

EXISTING BASIN GRADING  
BY OTHERS

WISCONSIN  
BRUCE J. HOLLAR  
E-31041  
VERONA  
WI  
PROFESSIONAL ENGINEER  
4/24/15

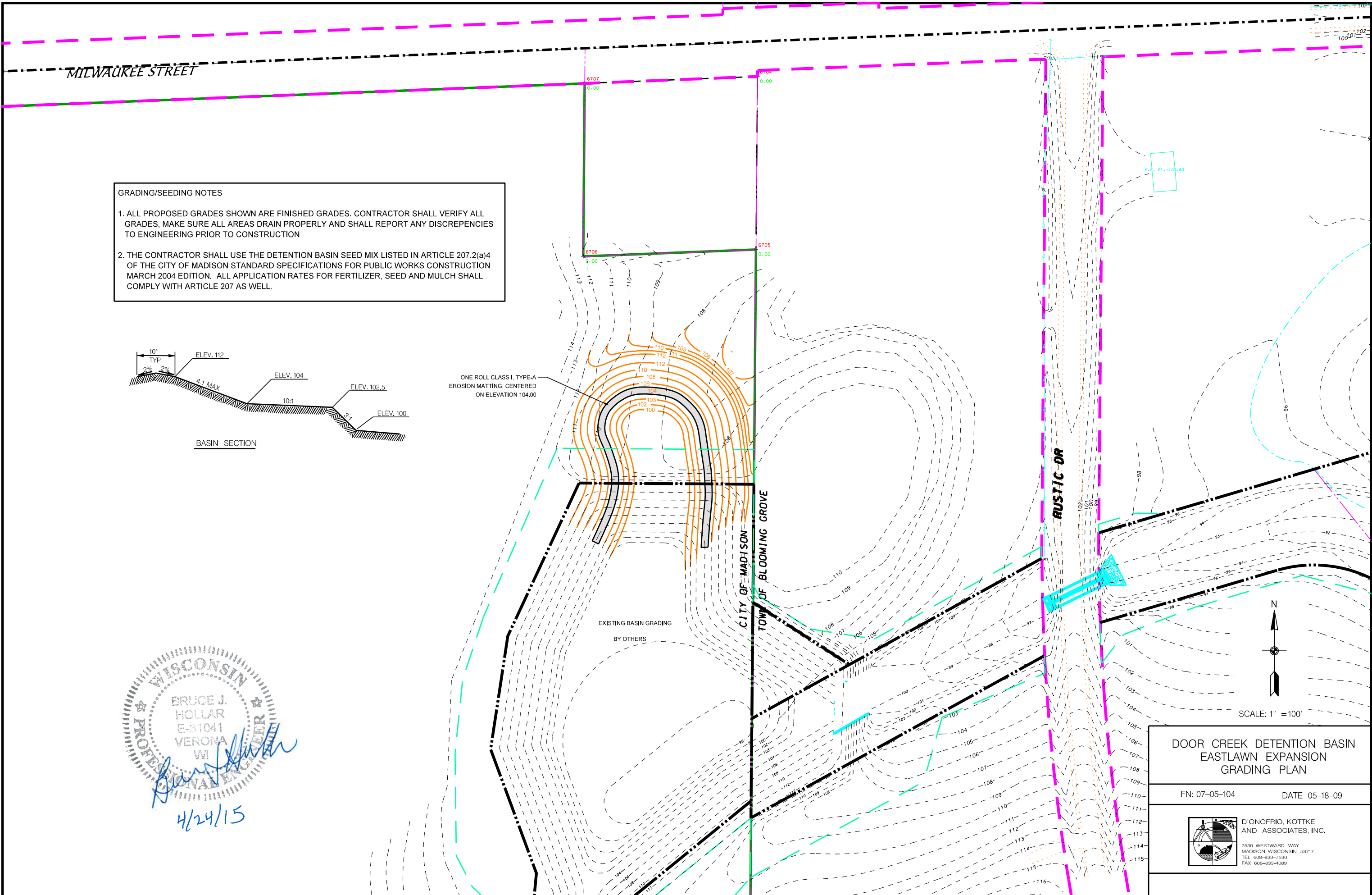


SCALE: 1" = 100'

**DOOR CREEK DETENTION BASIN  
EASTLAWN EXPANSION  
GRADING PLAN**

FN: 07-05-104      DATE 05-18-09

 **D'ONOFRIO, KOTTKE  
AND ASSOCIATES, INC.**  
7530 WESTWARD WAY  
MADISON, WISCONSIN 53717  
TEL: 608-833-7530  
FAX: 608-833-1089



PLAN AND PROFILE

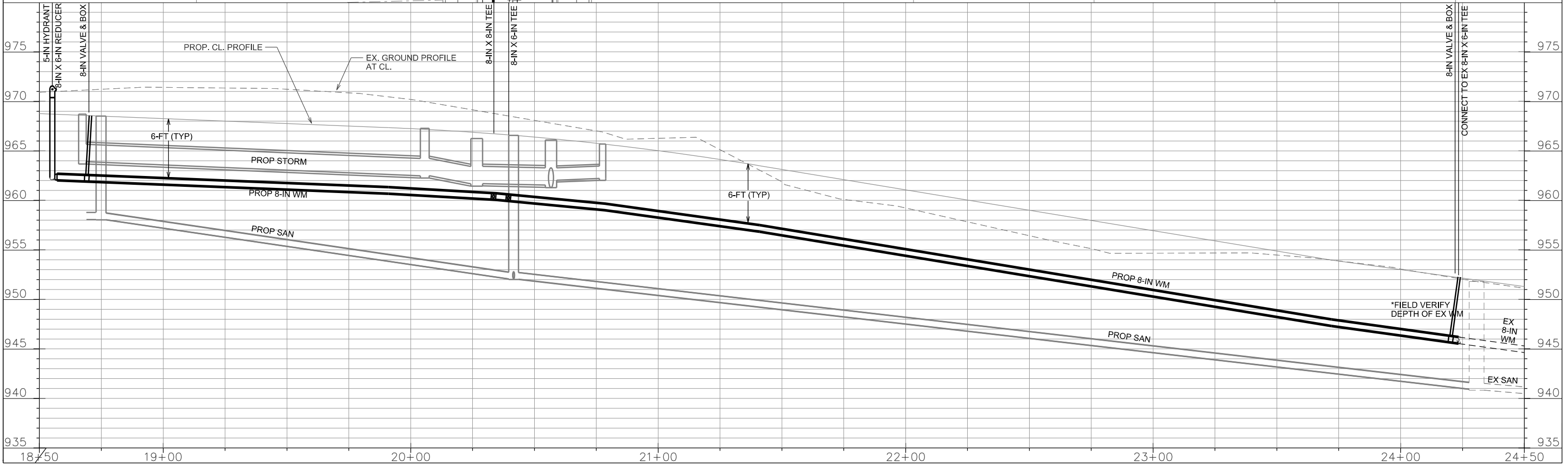
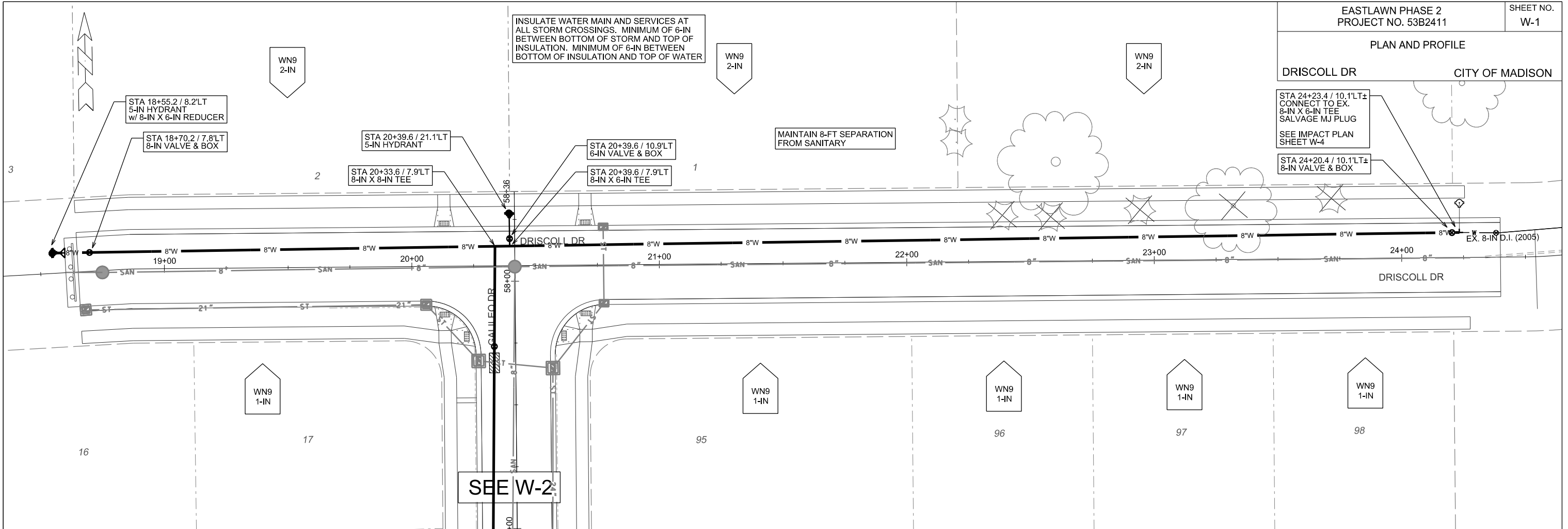
DRISCOLL DR CITY OF MADISON

STA 24+23.4 / 10.1'LT±  
CONNECT TO EX.  
8-IN X 6-IN TEE  
SALVAGE MJ PLUG  
SEE IMPACT PLAN  
SHEET W-4

STA 24+20.4 / 10.1'LT±  
8-IN VALVE & BOX

INSULATE WATER MAIN AND SERVICES AT  
ALL STORM CROSSINGS. MINIMUM OF 6-IN  
BETWEEN BOTTOM OF STORM AND TOP OF  
INSULATION. MINIMUM OF 6-IN BETWEEN  
BOTTOM OF INSULATION AND TOP OF WATER

MAINTAIN 8-FT SEPARATION  
FROM SANITARY



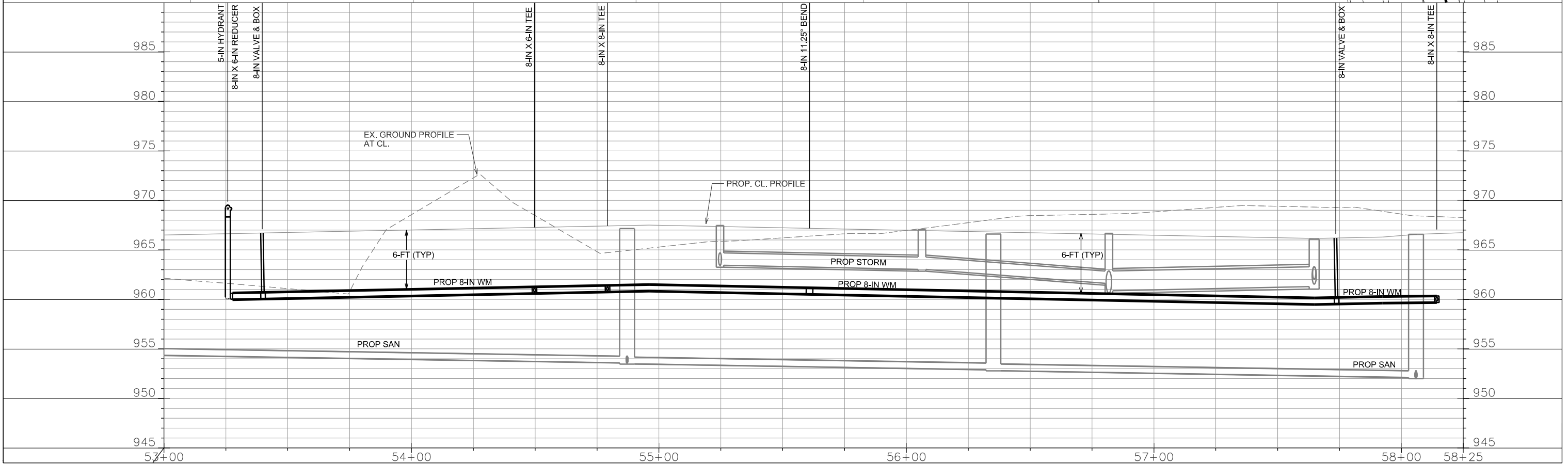
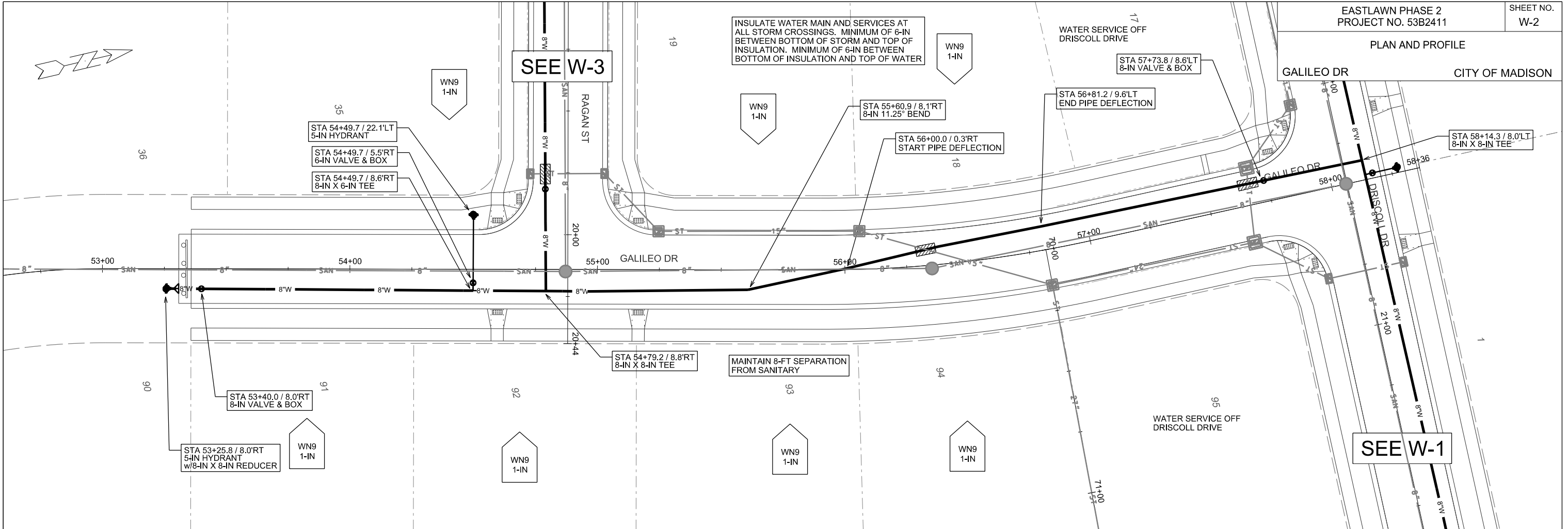
PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

PLAN AND PROFILE  
CITY OF MADISON



PLOT SCALE:

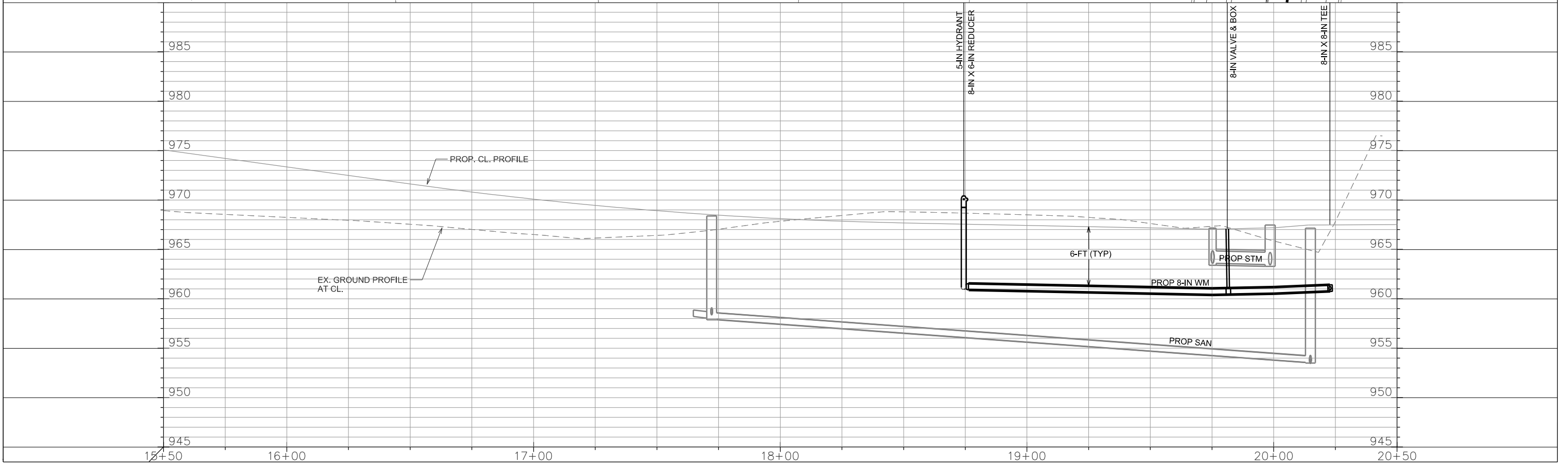
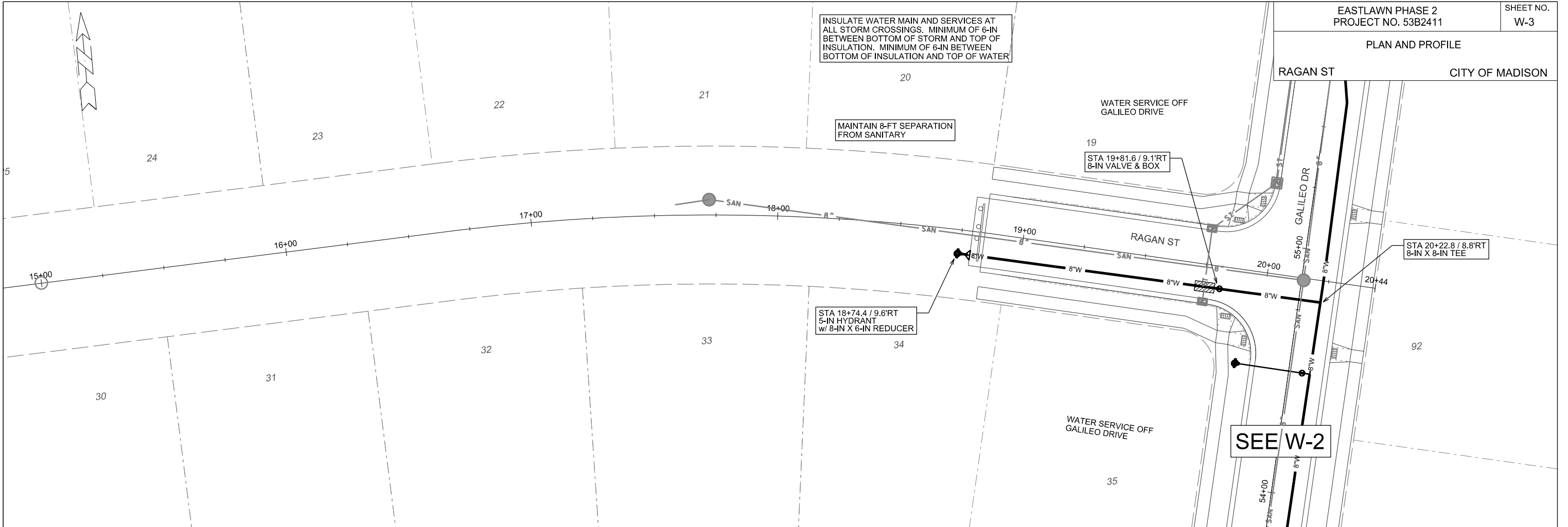
PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

PLAN AND PROFILE

RAGAN ST CITY OF MADISON



PLOT SCALE:

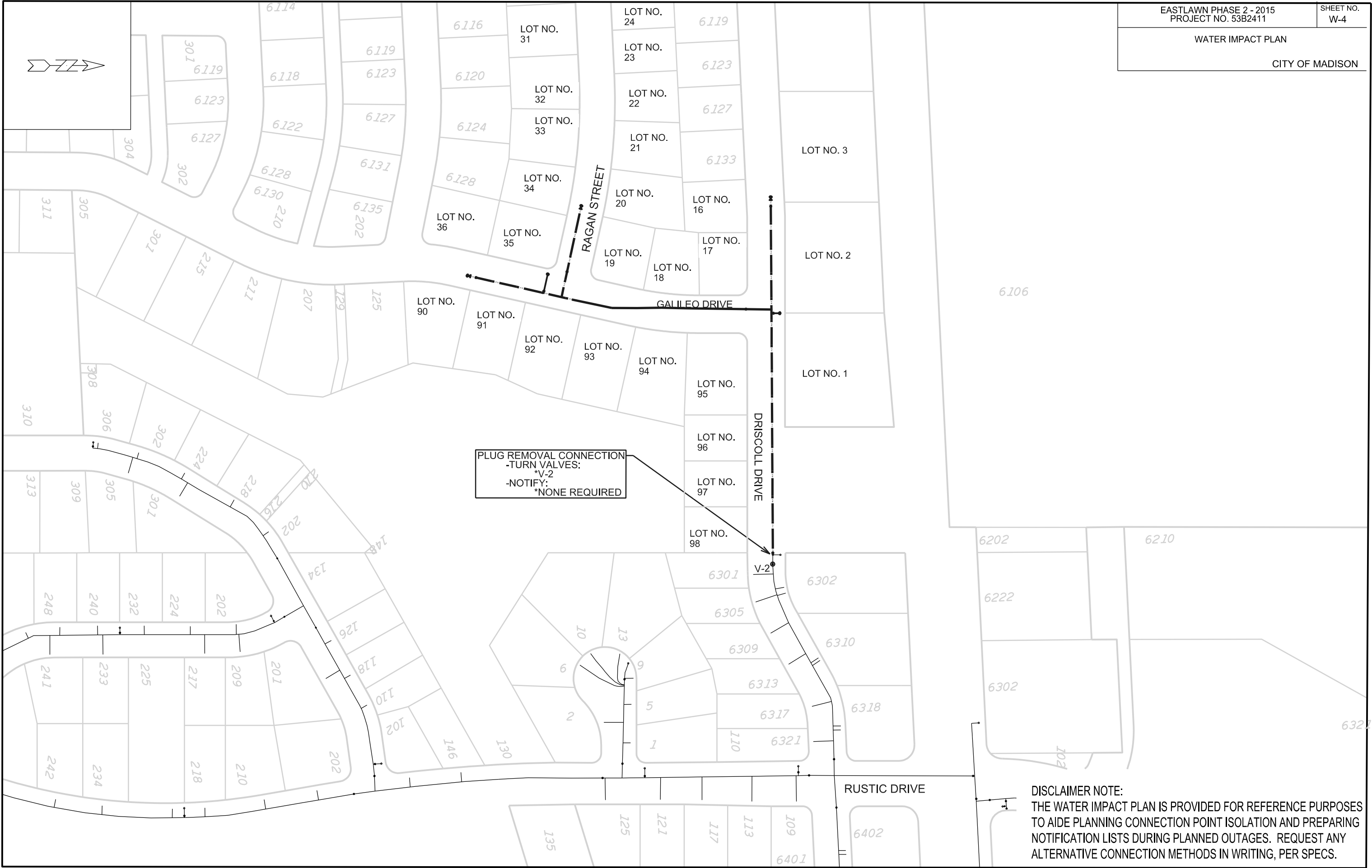
PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

WATER IMPACT PLAN

CITY OF MADISON



DISCLAIMER NOTE:  
 THE WATER IMPACT PLAN IS PROVIDED FOR REFERENCE PURPOSES  
 TO AIDE PLANNING CONNECTION POINT ISOLATION AND PREPARING  
 NOTIFICATION LISTS DURING PLANNED OUTAGES. REQUEST ANY  
 ALTERNATIVE CONNECTION METHODS IN WRITING, PER SPECS.

PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

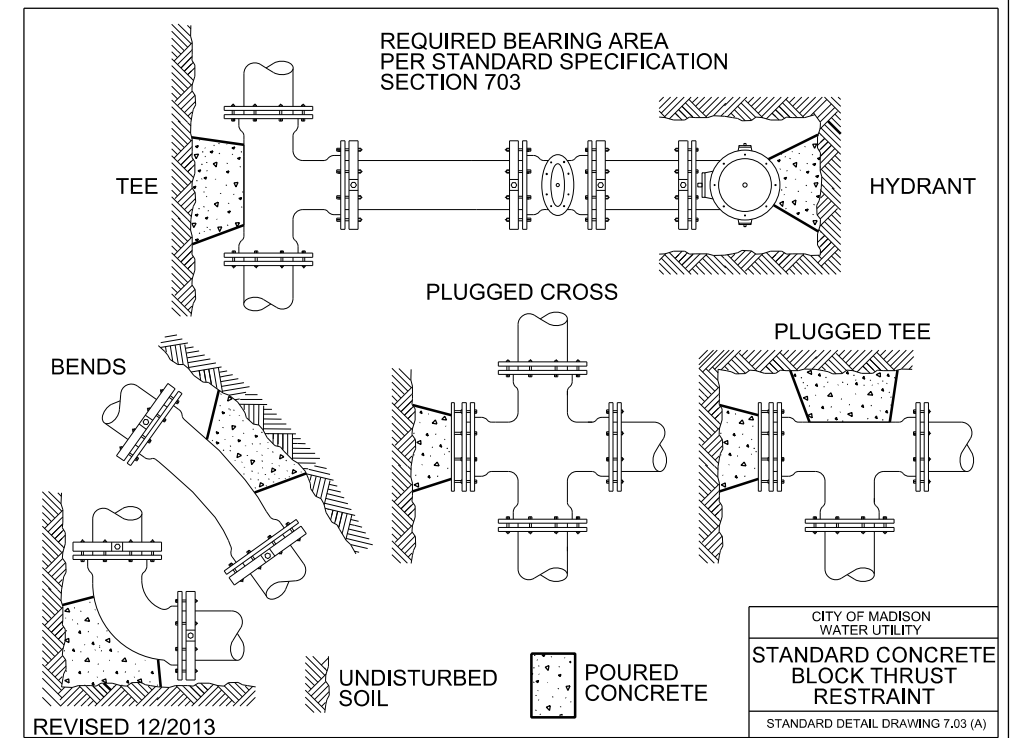
FILE NAME:

DATE:

CONSTRUCTION NOTES:

1. CONSTRUCT NEW WATER MAIN 6.0' BELOW FINISHED GRADE, UNLESS OTHERWISE NOTED. INSULATE MAIN WITH POLYSTYRENE BOARD AT UTILITY CROSSINGS OR OTHER AREAS IDENTIFIED BY ENGINEER AS HAVING INADEQUATE COVER.
2. VERIFY SIZE OF EXISTING WATER SERVICES AND RECONNECT SERVICES AS INDICATED.
3. MINIMIZE DISRUPTION OF SERVICE TO EXISTING CUSTOMERS. NOTIFY PER CONTRACT REQUIREMENTS OF ANY PLANNED WATER OUTAGE.
4. THE EXISTING UTILITIES SHOWN ON THIS PLAN REPRESENT THE BEST INFORMATION AVAILABLE TO THE WATER UTILITY AT THE TIME OF PLAN PREPARATION. CONTRACTOR IS RESPONSIBLE FOR HAVING EACH UTILITY LOCATED PRIOR TO COMMENCING WORK.

- WN1 REPLACE THE EXISTING LEAD SERVICE WITH A NEW COPPER SERVICE.
- WN2 EXTEND AND RECONNECT THE EXISTING COPPER SERVICE TO THE NEW WATER MAIN.
- WN3 EXISTING SERVICE TO BE ABANDONED WHEN THE WATER MAIN IS CUT OFF.
- WN4 DISCONNECT FROM THE OLD WATER MAIN AND RECONNECT THE EXISTING COPPER WATER SERVICE LATERAL TO THE NEW WATER MAIN.
- WN5 RELOCATE THE EXISTING FIRE HYDRANT.
- WN6 ABANDON WATER VALVE ACCESS STRUCTURE.
- WN7 FURNISH AND INSTALL THE NEW TOP SECTION FOR THE WATER ACCESS STRUCTURE.
- WN8 ABANDON THE VALVE BOX.
- WN9 FURNISH THE DITCH, COMPACTION, AND ALL MATERIALS AND LABOR FOR THE INSTALLATION OF NEW SERVICE LATERAL.
- WN10 REMOVE AND SALVAGE EXISTING HYDRANT
- WN11 REPLACE THE EXISTING COPPER SERVICE WITH A COPPER SERVICE
- WN20+ SEE WATER IMPACT PLAN FOR CONNECTION POINT ISOLATION AND WATER SHUT-OFF NOTIFICATION INFORMATION.



ESTIMATE OF MATERIALS SUPPLIED BY CONTRACTOR:

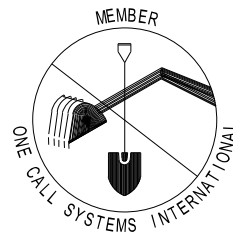
*\* ESTIMATE OF MATERIALS IS FOR INFORMATION ONLY. ENGINEER DOES NOT GUARANTEE ACCURACY OF MATERIAL TAKE-OFF.*

- 60-FT - 6-IN PIPE
- 1220-FT - 8-IN PIPE
- 1420-FT - POLYWRAP
- 2 - 6-IN VALVE & BOX
- 5 - 8-IN VALVE & BOX
- 2 - 8-IN X 6-IN TEE
- 2 - 8-IN X 8-IN TEE
- 1 - 8-IN 11.25° BEND
- 3 - 8-IN X 6-IN REDUCER
- 5 - 5-IN HYDRANT
- 24-FT - 2-IN STYROFOAM INSULATION
- 1-IN COPPER SERVICE PIPING (AS REQUIRED)
- 2-IN COPPER SERVICE PIPING (AS REQUIRED)

TO OBTAIN LOCATION OF PARTICIPANTS' UNDERGROUND FACILITIES BEFORE YOU DIG IN WISCONSIN

CALL DIGGERS HOTLINE  
TOLL FREE  
811 OR 1-800-242-8511  
FAX-A-LOCATE 1-800-338-3860  
TDD (FOR HEARING IMPAIRED) 1-800-542-2289

WIS. STATUTE 182.0175 (1974)  
REQUIRES MIN. OF 3 WORK DAYS  
NOTICE BEFORE YOU EXCAVATE.

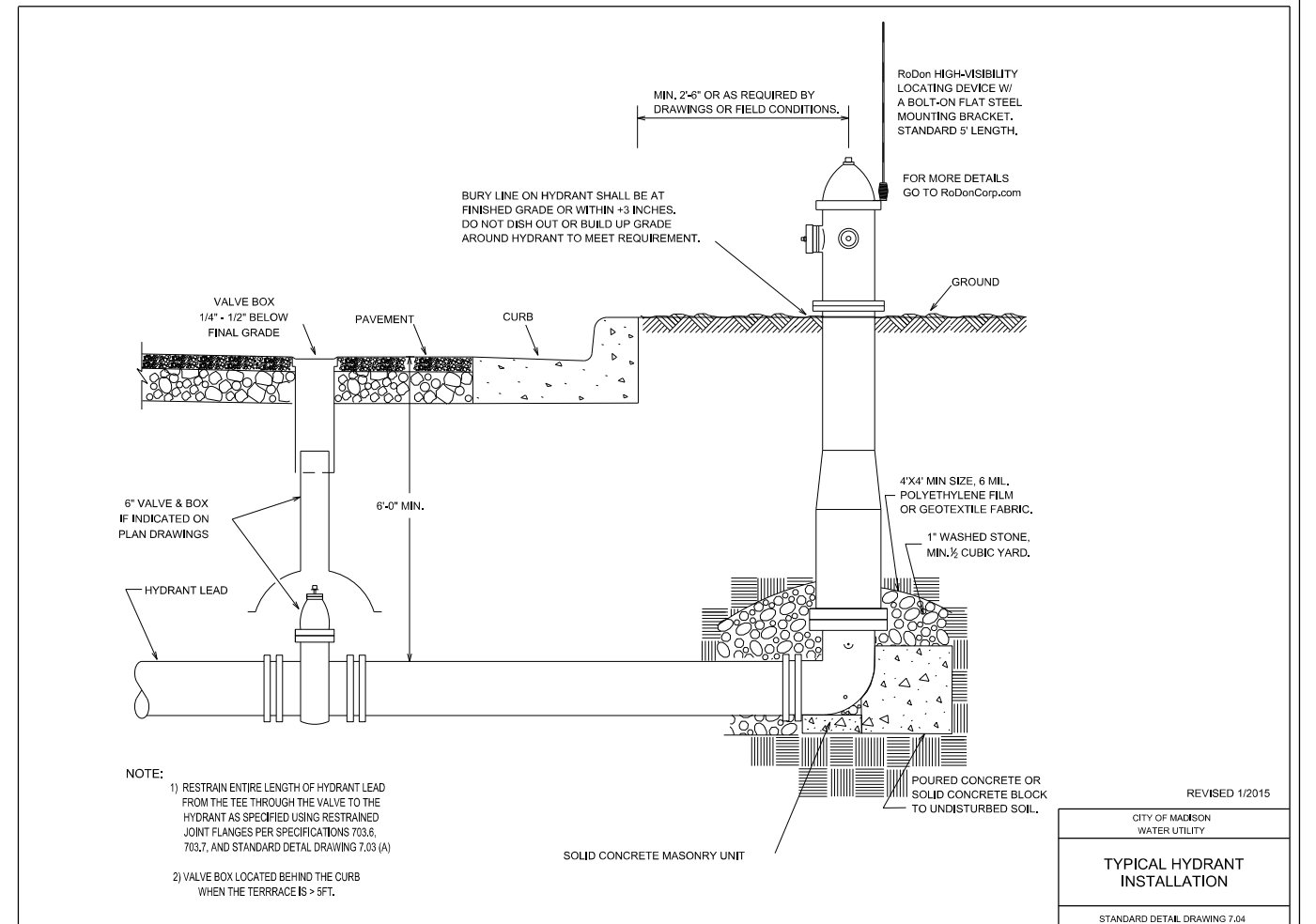


ESTIMATE OF MATERIALS SALVAGED:

*\* ESTIMATE OF MATERIALS IS FOR INFORMATION ONLY. ENGINEER DOES NOT GUARANTEE ACCURACY OF MATERIAL TAKE-OFF.*

- 1 - 8-IN MJ PLUG

DISCLAIMER NOTE:  
UTILITY LOCATIONS SHOWN ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UNDERGROUND AND OVERHEAD UTILITIES PRIOR TO COMMENCING WORK.



- NOTE:
- 1) RESTRAIN ENTIRE LENGTH OF HYDRANT LEAD FROM THE TEE THROUGH THE VALVE TO THE HYDRANT AS SPECIFIED USING RESTRAINED JOINT FLANGES PER SPECIFICATIONS 703.6, 703.7, AND STANDARD DETAIL DRAWING 7.03 (A)
  - 2) VALVE BOX LOCATED BEHIND THE CURB WHEN THE TERRACE IS > 5FT.

REVISED 1/2015  
CITY OF MADISON  
WATER UTILITY  
TYPICAL HYDRANT  
INSTALLATION  
STANDARD DETAIL DRAWING 7.04

CROSS SECTIONS

MILWAUKEE ST

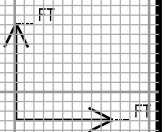
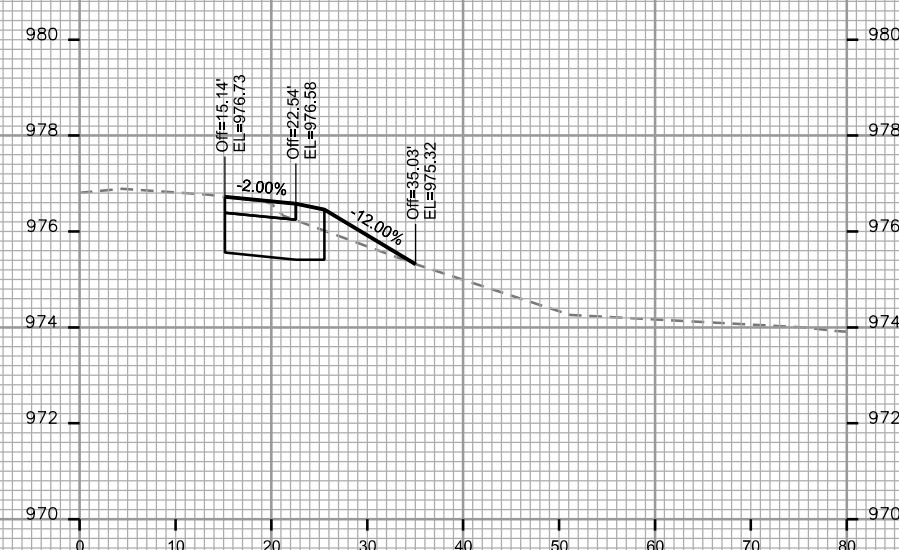
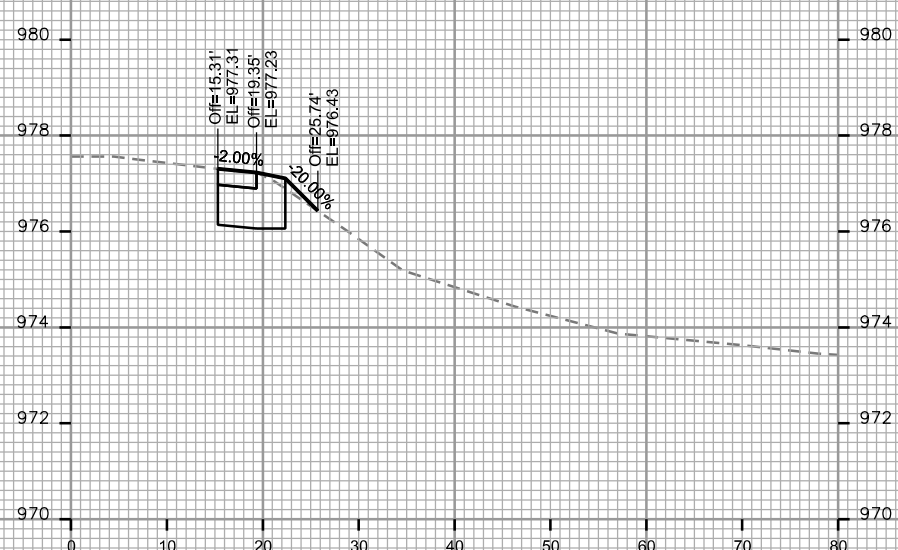
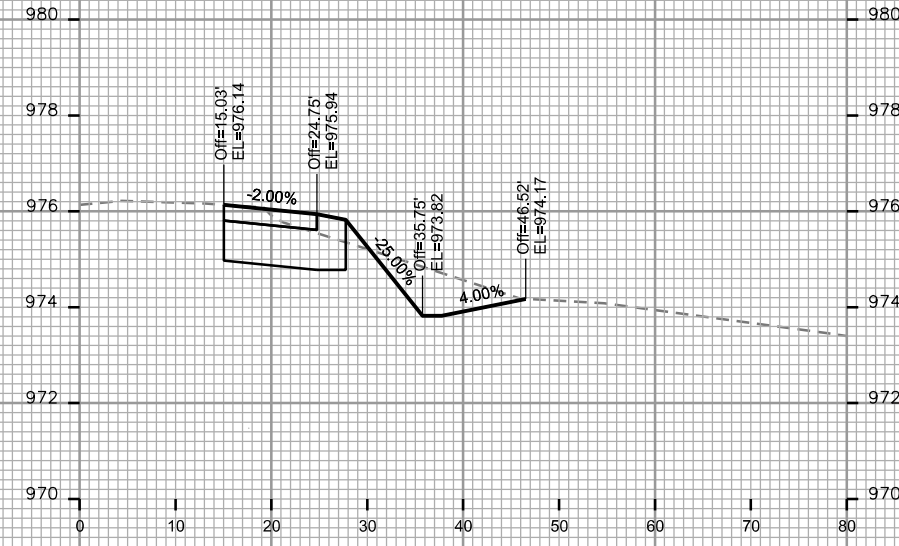
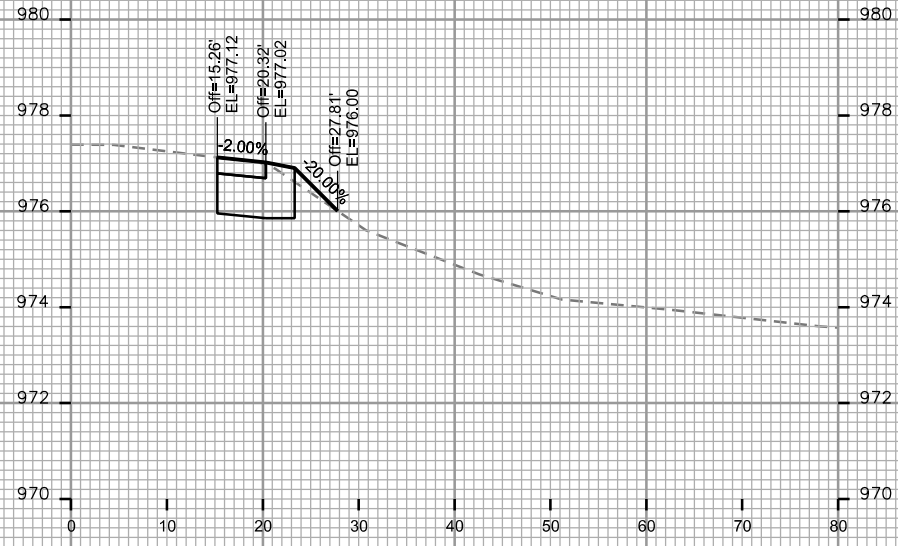
CITY OF MADISON

PLOT SCALE: \_\_\_\_\_

PLOT NAME: \_\_\_\_\_

REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON - STREETS DIVISION





CROSS SECTIONS

MILWAUKEE ST

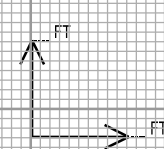
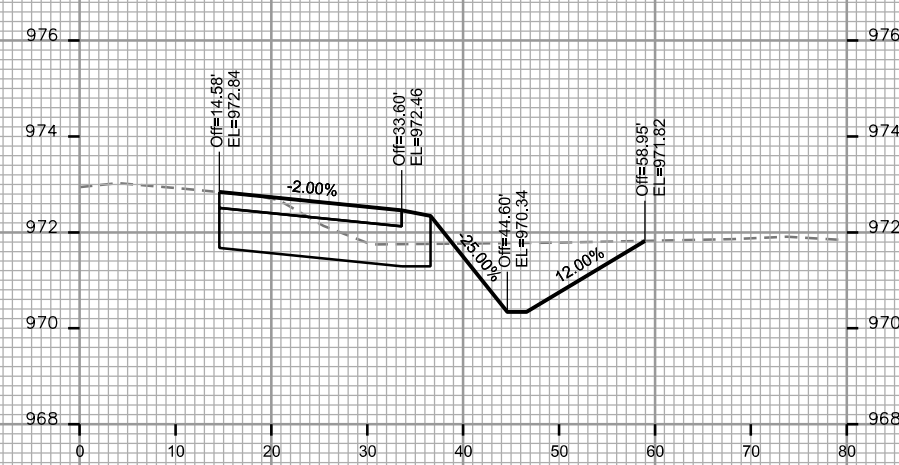
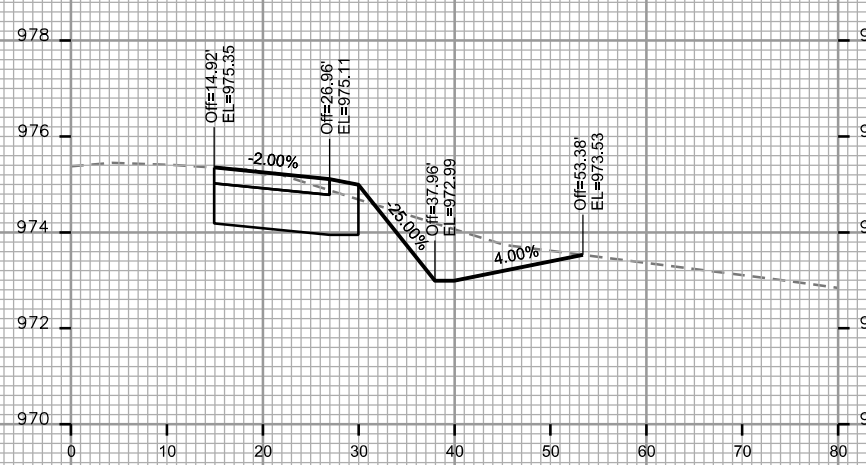
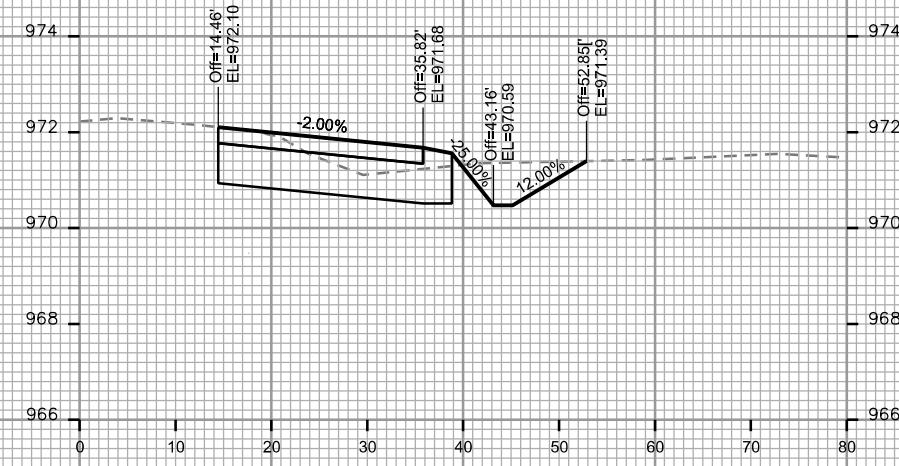
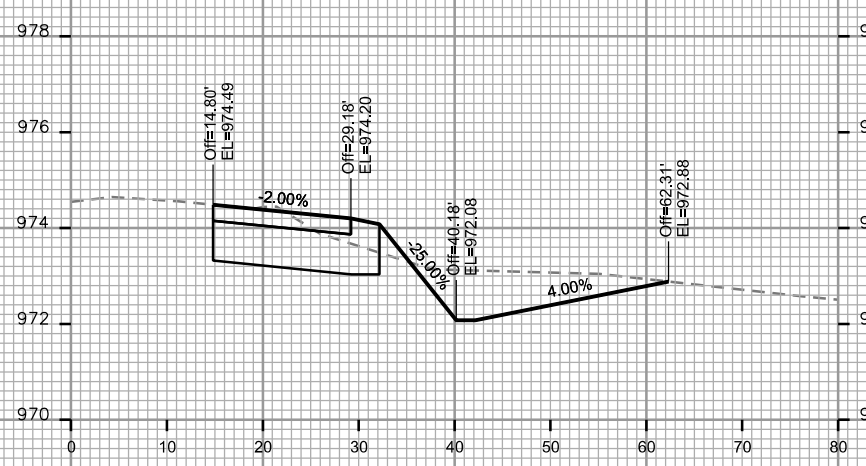
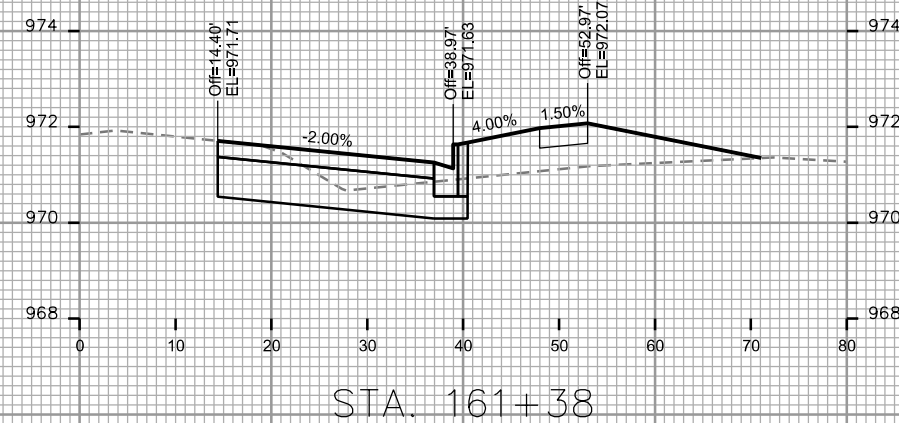
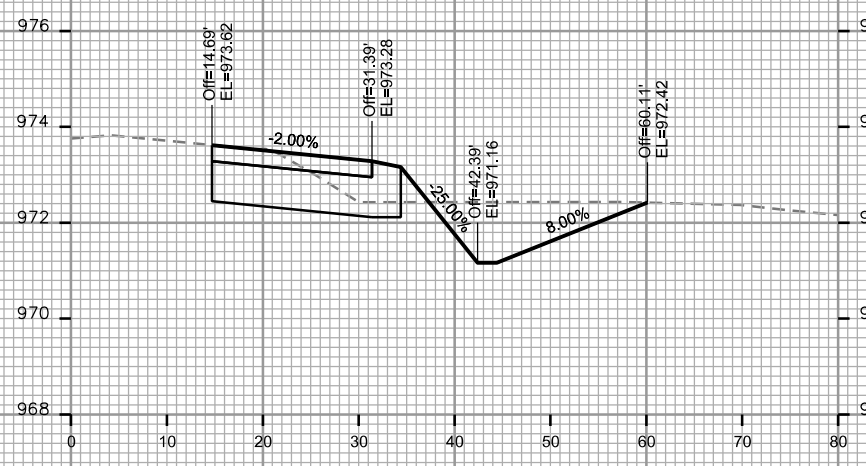
CITY OF MADISON

PLOT SCALE: \_\_\_\_\_

PLOT NAME: \_\_\_\_\_

REV. DATE: \_\_\_\_\_

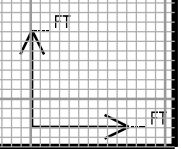
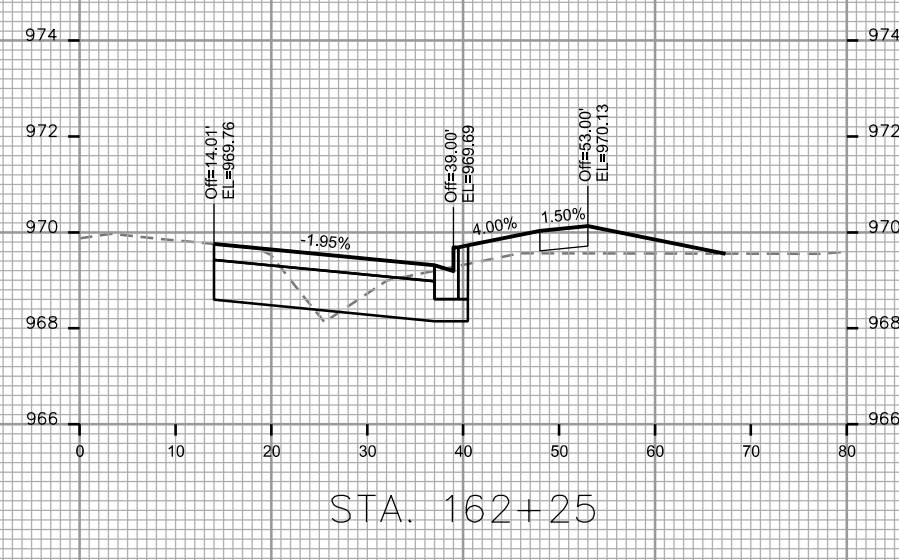
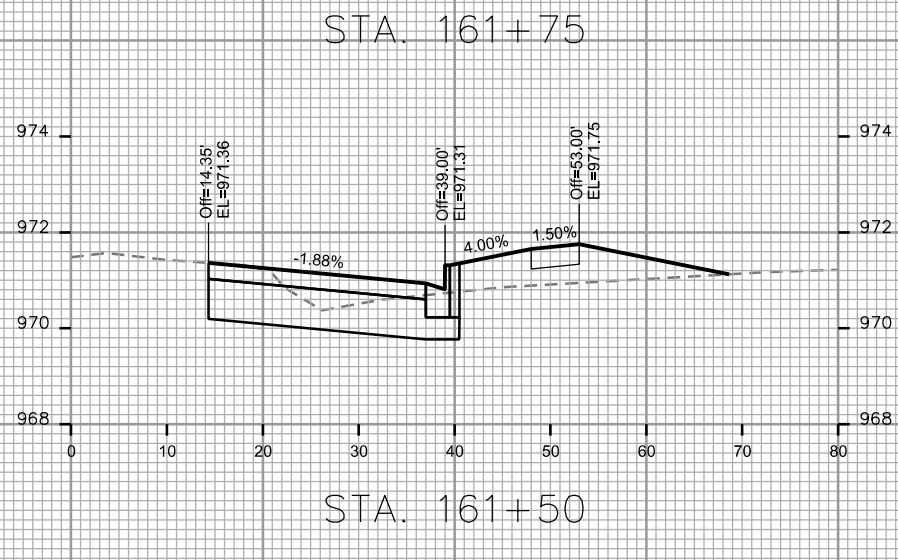
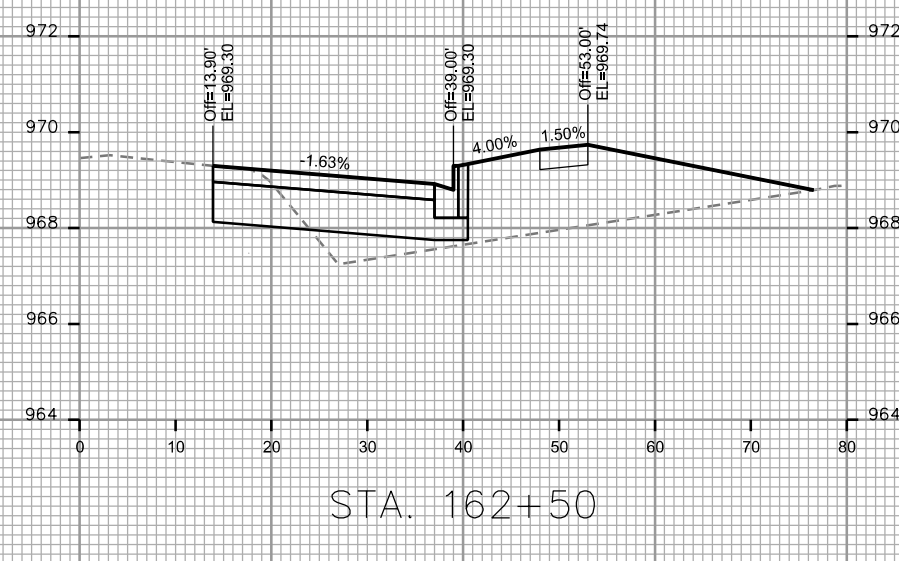
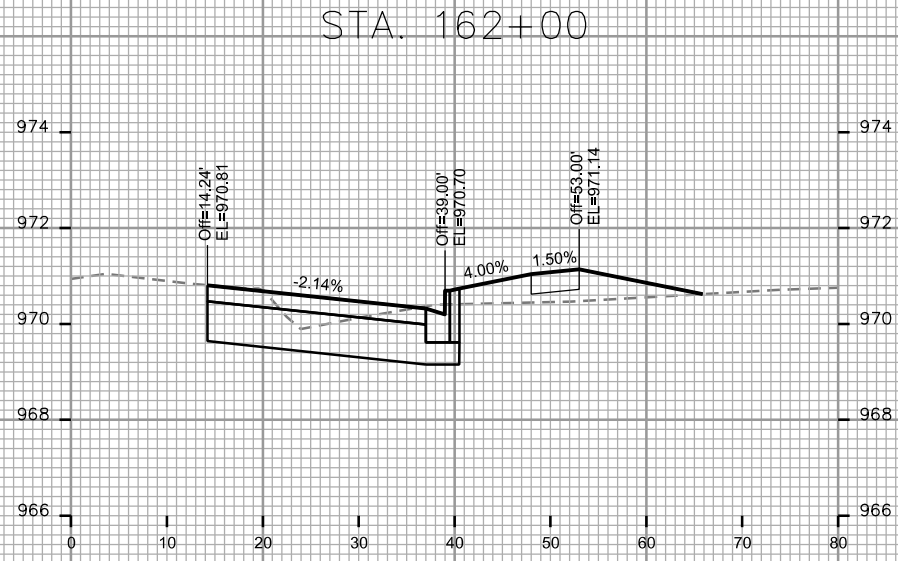
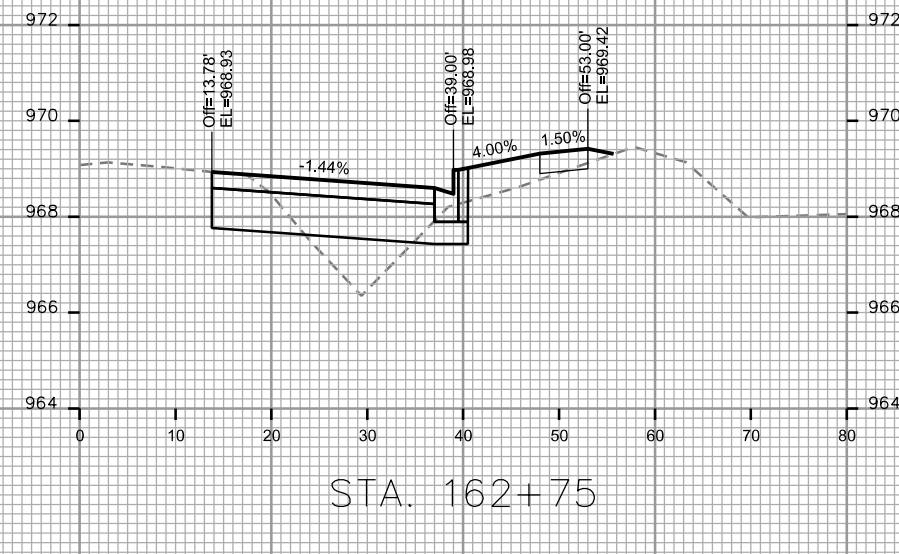
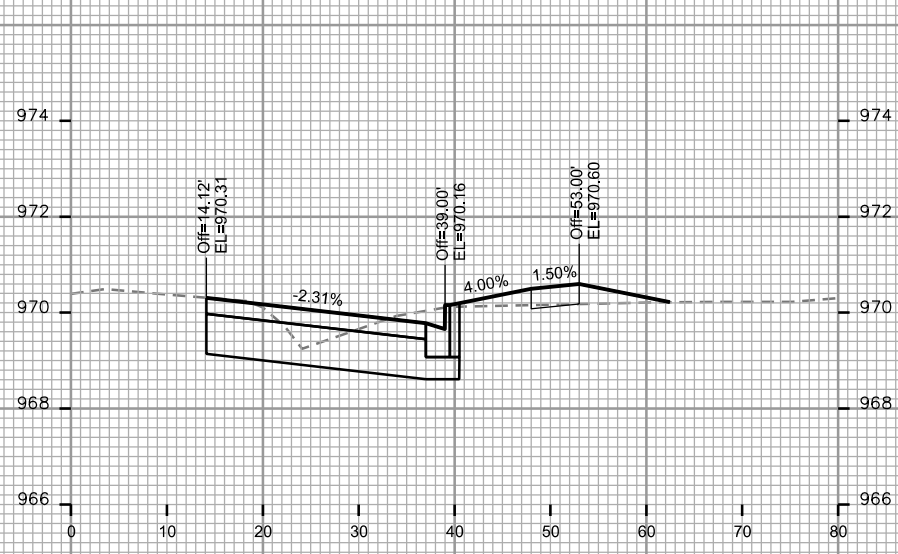
ORIGINATOR: CITY OF MADISON - STREETS DIVISION



CROSS SECTIONS

MILWAUKEE ST

CITY OF MADISON



PLOT SCALE: \_\_\_\_\_

PLOT NAME: \_\_\_\_\_

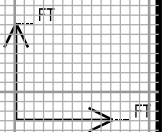
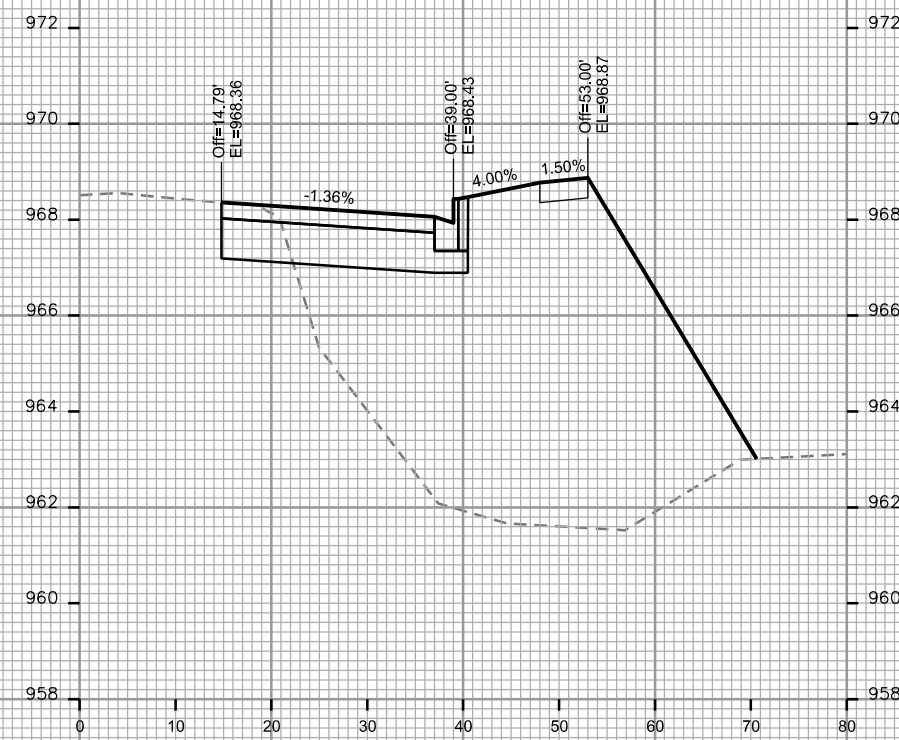
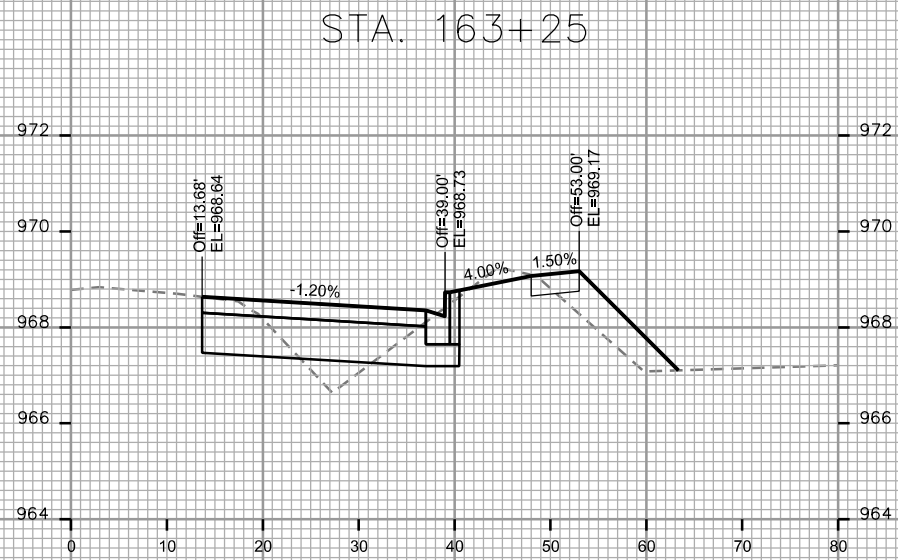
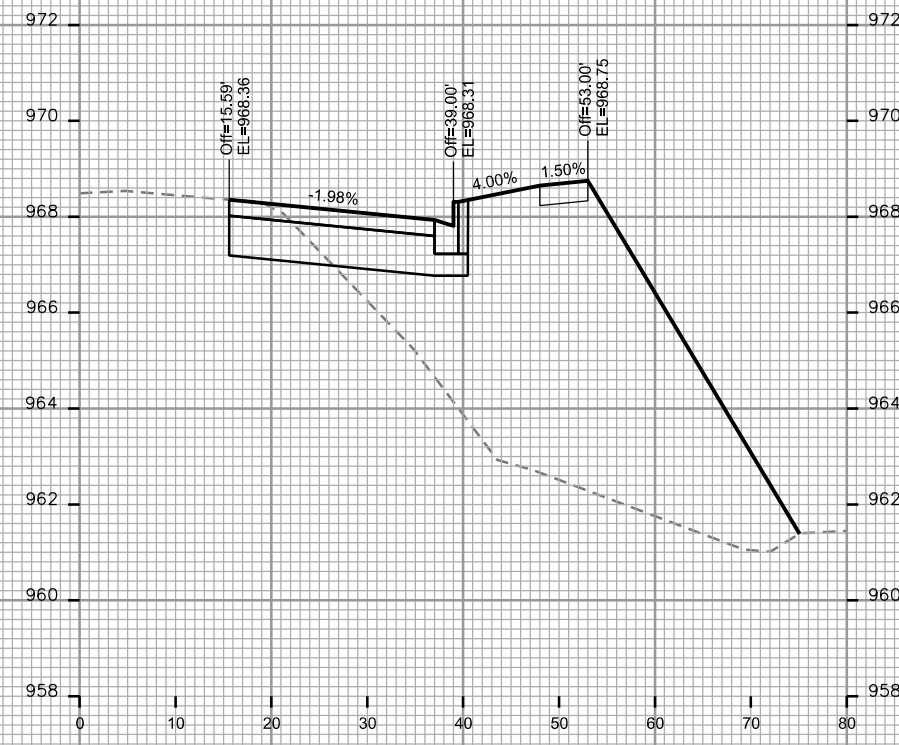
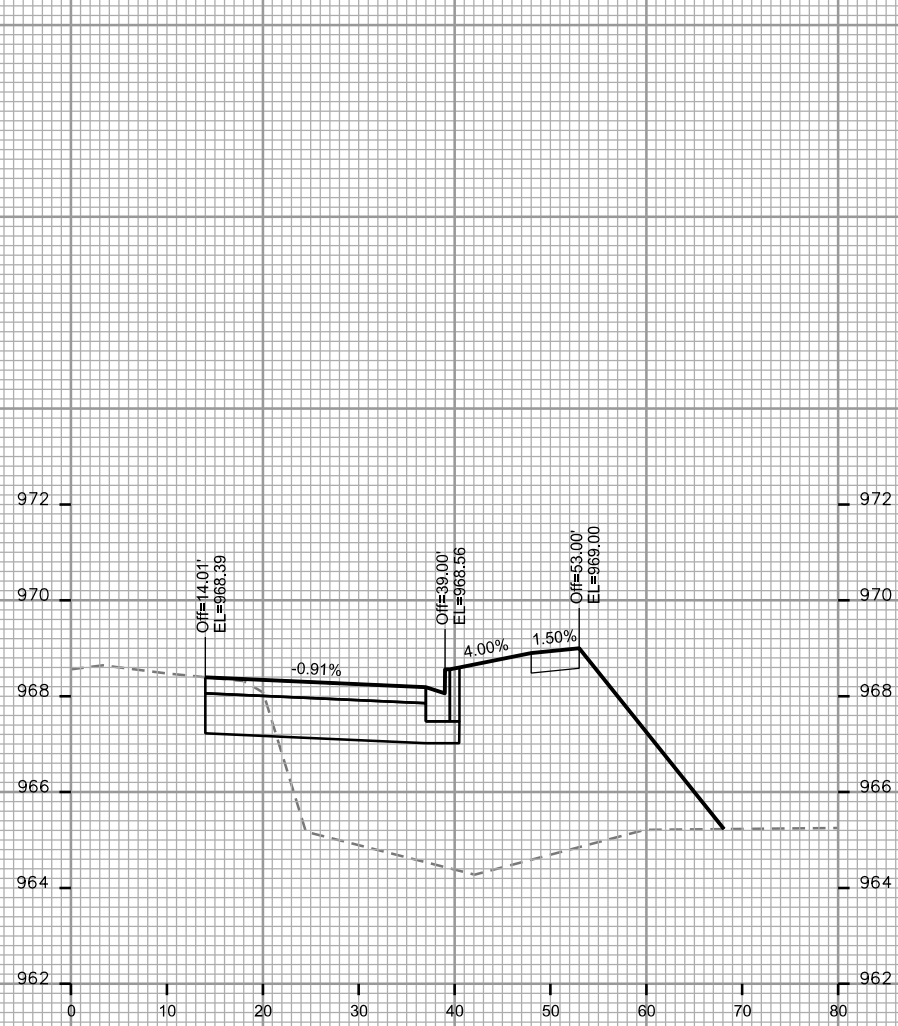
REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

CROSS SECTIONS

MILWAUKEE ST

CITY OF MADISON



PLOT SCALE: \_\_\_\_\_

PLOT NAME: \_\_\_\_\_

REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON - STREETS DIVISION

CROSS SECTIONS

MILWAUKEE ST

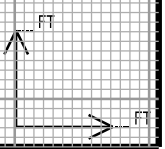
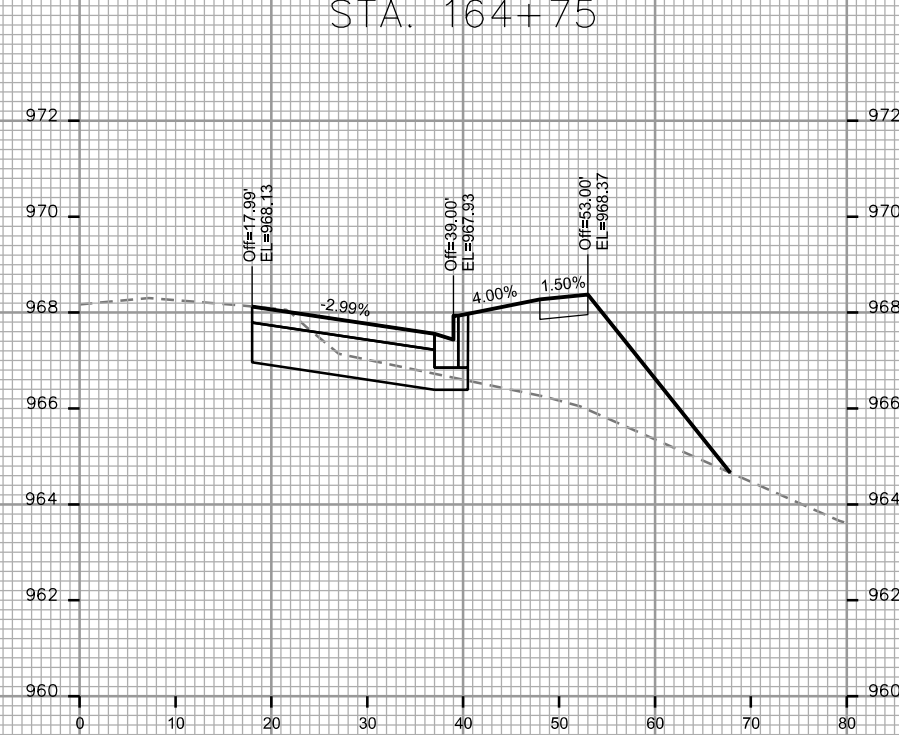
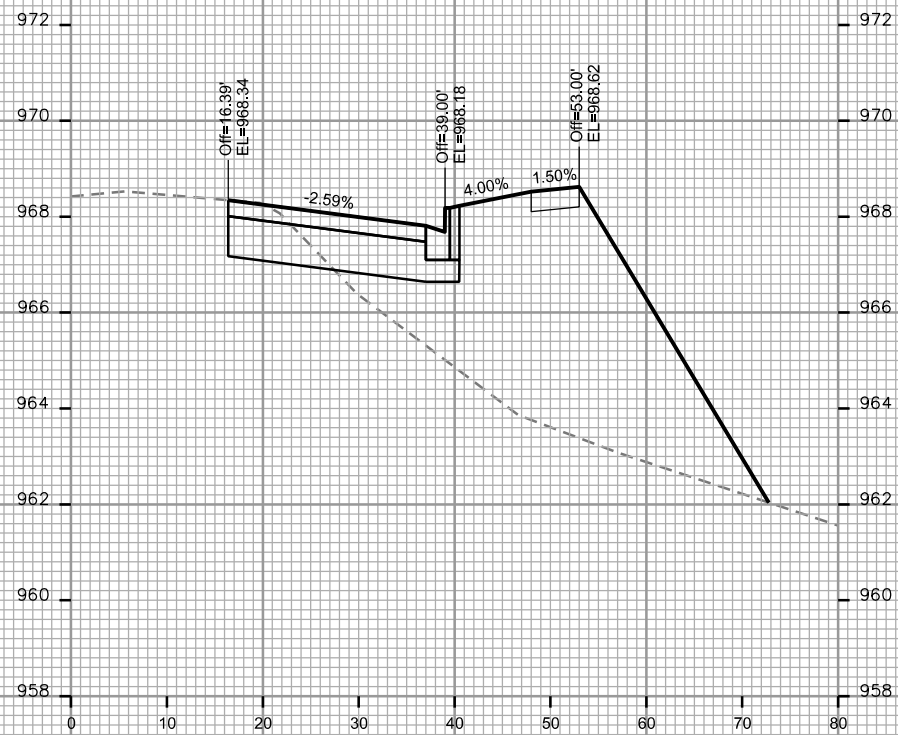
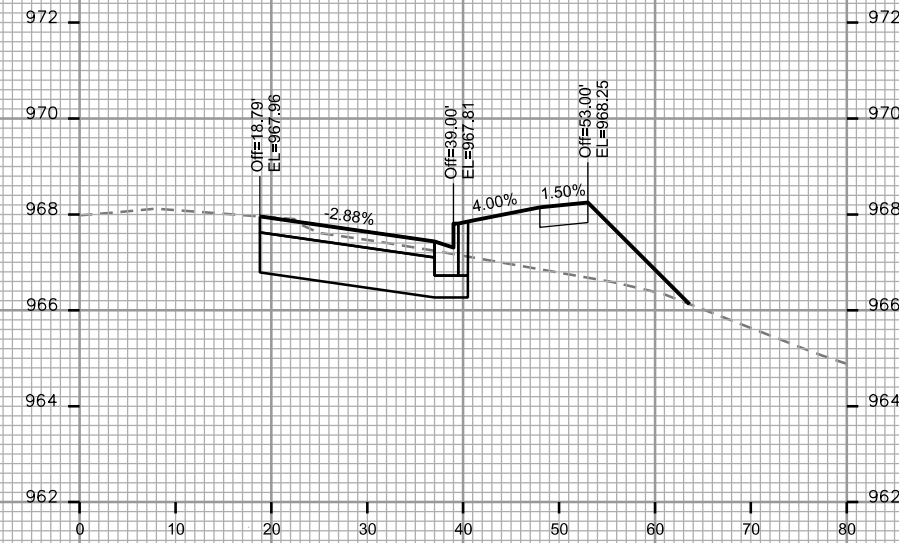
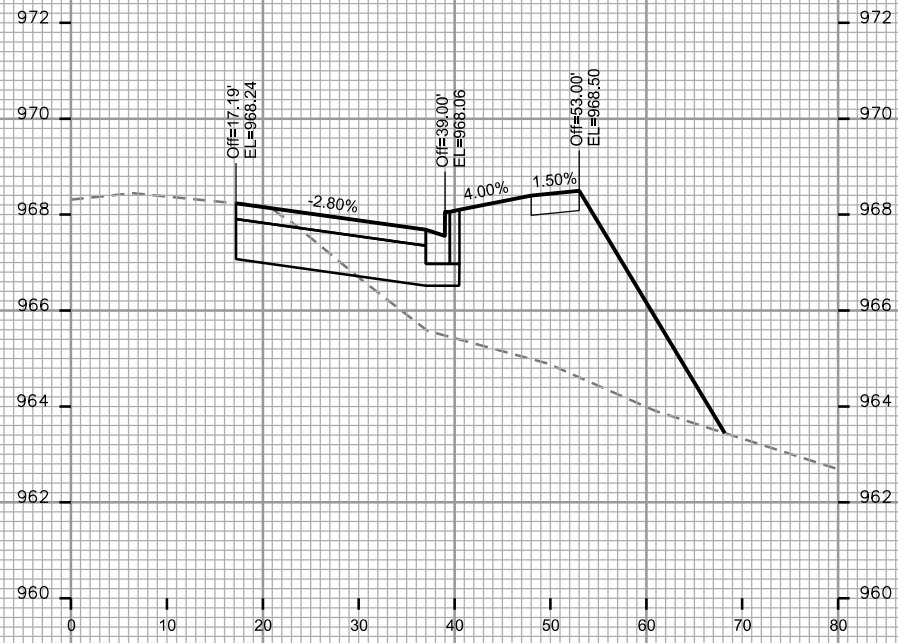
CITY OF MADISON

PLOT SCALE: \_\_\_\_\_

PLOT NAME: \_\_\_\_\_

REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON - STREETS DIVISION



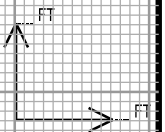
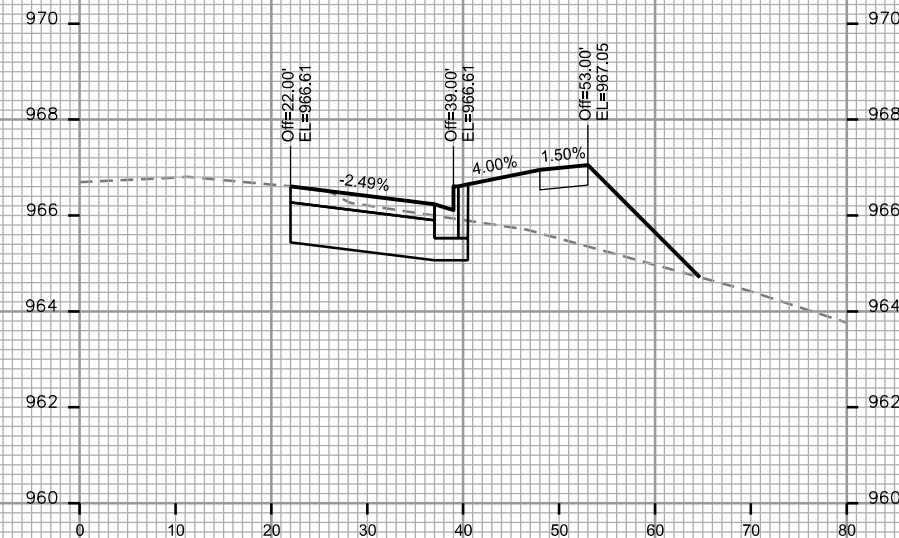
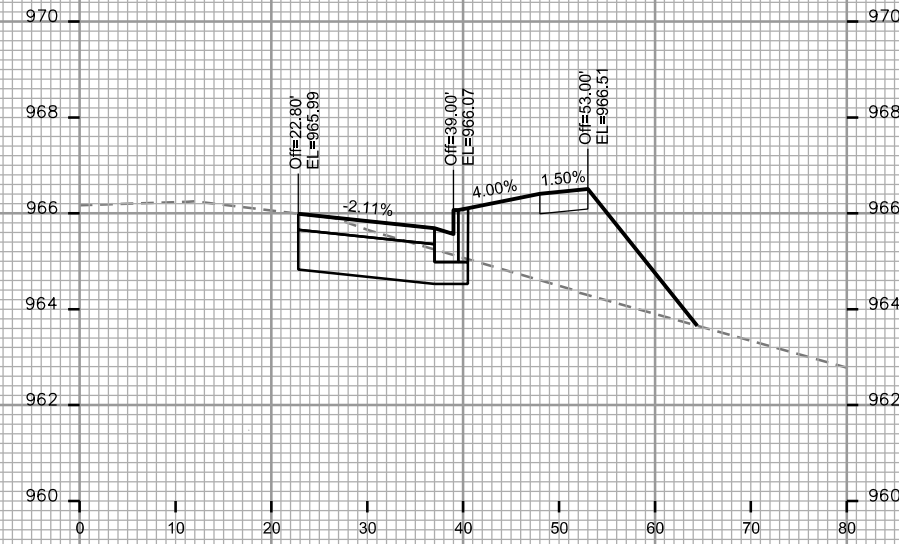
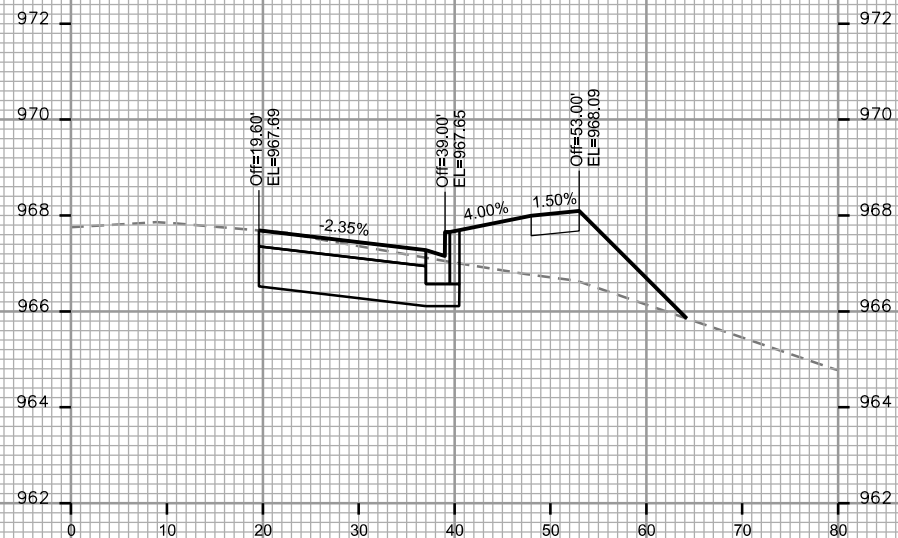
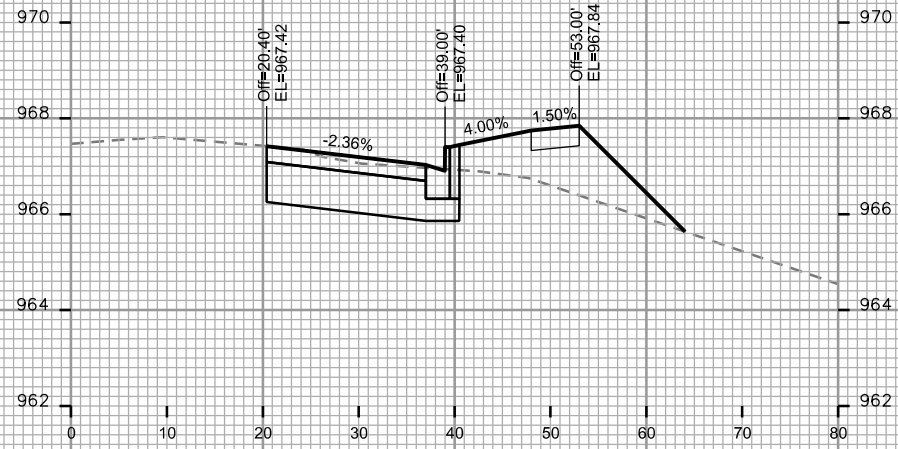
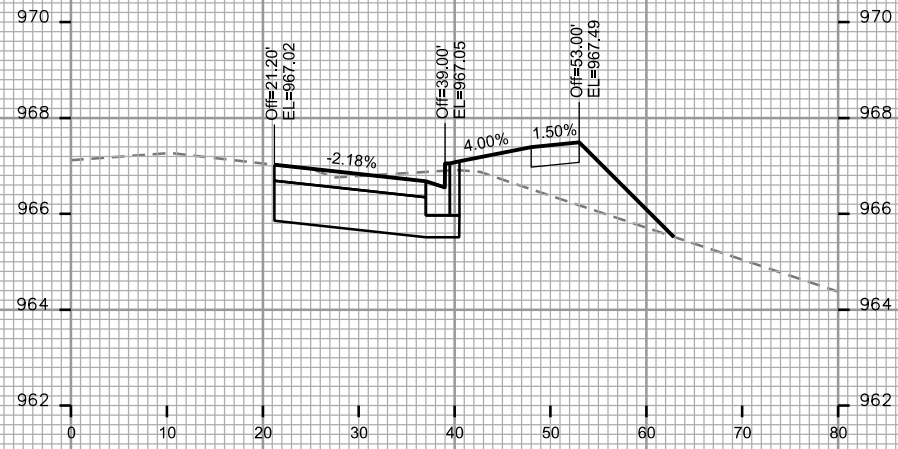
CROSS SECTIONS  
MILWAUKEE ST CITY OF MADISON

PLOT SCALE: \_\_\_\_\_

PLOT NAME: \_\_\_\_\_

REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON - STREETS DIVISION



CROSS SECTIONS

MILWAUKEE ST

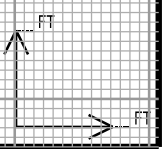
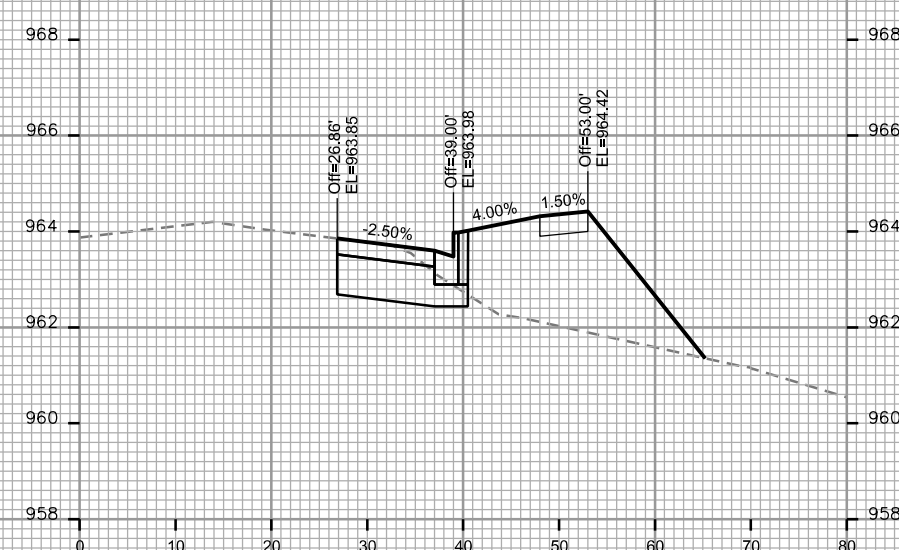
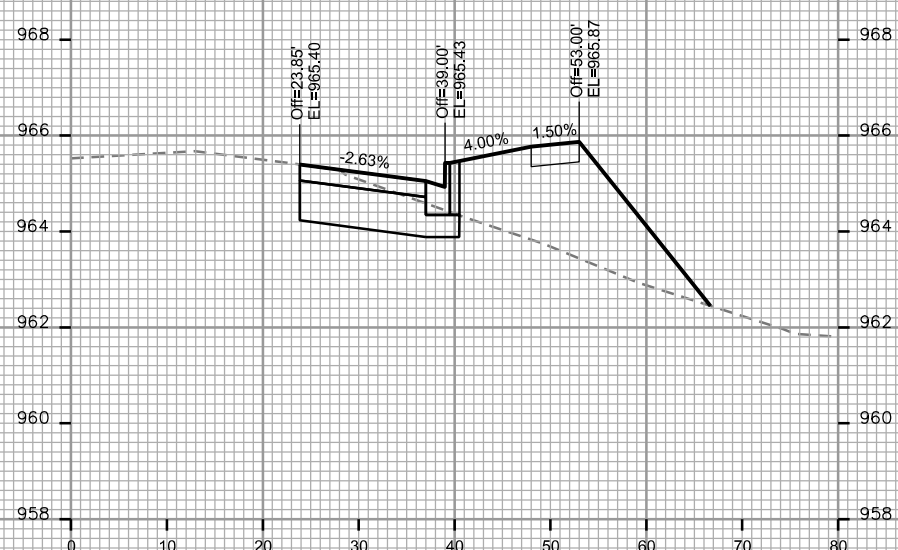
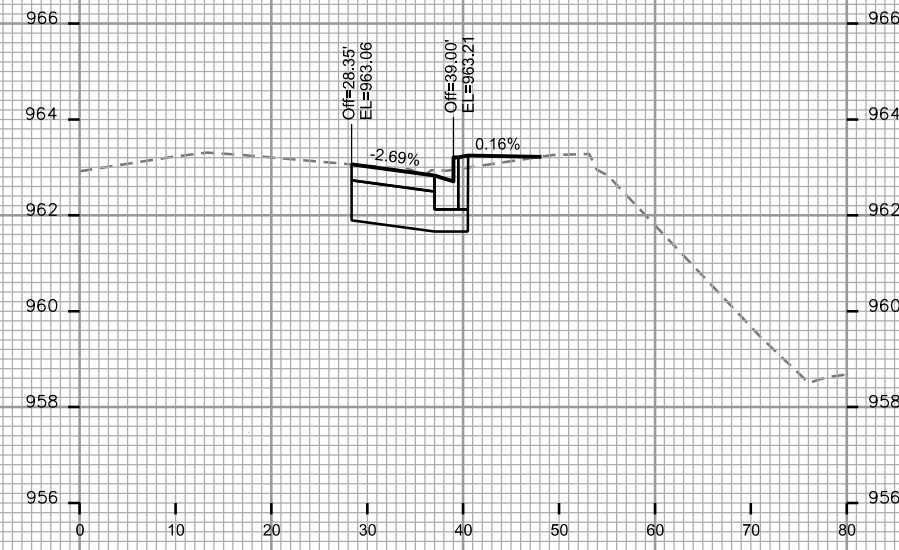
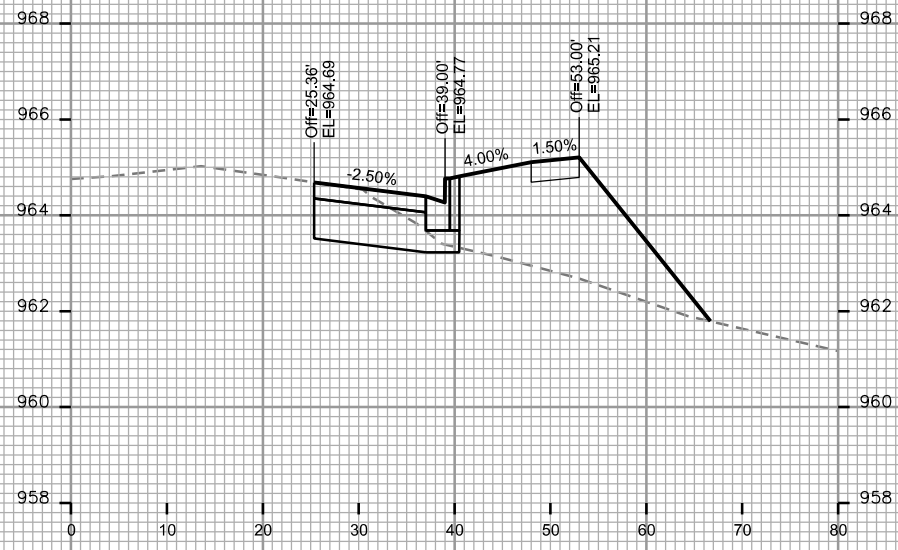
CITY OF MADISON

PLOT SCALE: \_\_\_\_\_

PLOT NAME: \_\_\_\_\_

REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON - STREETS DIVISION



CROSS SECTIONS

MILWAUKEE ST

CITY OF MADISON

PLOT SCALE: \_\_\_\_\_

PLOT NAME: \_\_\_\_\_

REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

