

Madison, Wisconsin

CITY OF MADISON

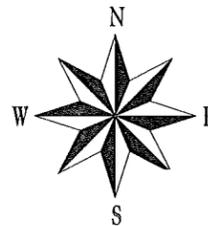
CITY ENGINEERING DIVISION
DEPARTMENT OF PUBLIC WORKS
PLAN OF PROPOSED IMPROVEMENT

COMMERCIAL AVENUE SERVICE ROAD RAILROAD CROSSING

CITY PROJECT NO. 53W1470
CONTRACT NO. 6925

INDEX OF SHEETS

SHEET NO.	TITLE
1	TYPICAL SECTION
D1	SERVICE ROAD PLAN & PROFILE
P1	ELECTRICAL PLAN
E1	STORM SEWER SCHEDULE
U1	CROSS SECTIONS
X1 - X3	

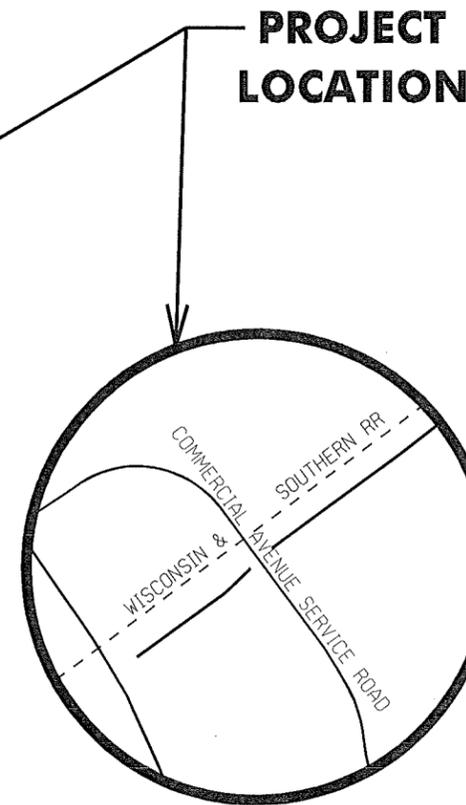
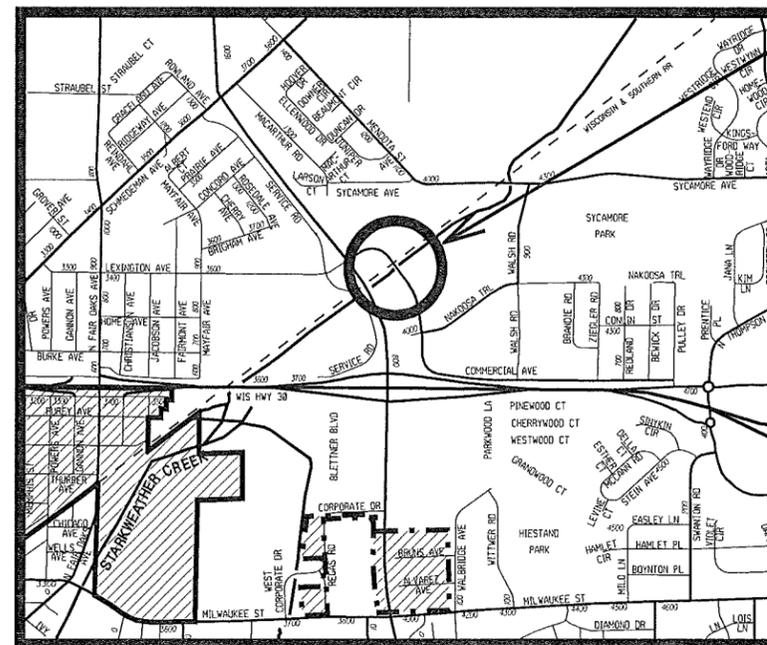


CONVENTIONAL SIGNS

GAS	— G —
ELECTRIC	— E —
OVERHEAD ELECTRIC	— OH —
TELEPHONE OR TELEGRAPH	— T —
STORM SEWER	— ST —
SANITARY SEWER	— SAN —
WATER	— W —
FIBER OPTICS TELEPHONE	— FO —
STREET LIGHT ELECTRIC	— SL —
POWER POLE	⊙
LIGHT POLE	☀
PROPERTY IRON	⊙
RAILROAD	⊞

NOTES:

- CURB THRU HANDICAP RAMPS SHALL HAVE A MAXIMUM SLOPE OF 1" PER 12" FROM FLOWLINE TO BACK OF CURB.
- SEE CROSS SECTION SHEETS FOR ADDITIONAL TOP OF CURB GRADES
- FIELD VERIFY ALL UTILITY LOCATIONS

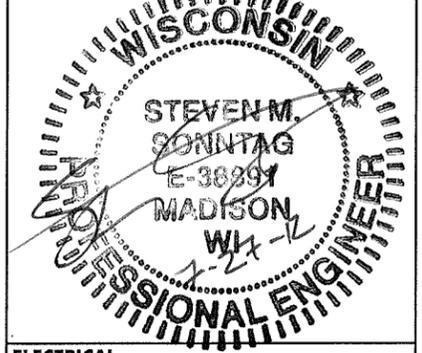


PROJECT APPROVED
August 7, 2012
BY THE COMMON COUNCIL
OF MADISON, WISCONSIN

STREET DESIGN
APPROVED BY:

Christy Bab 7-27-12
City Engineer Date

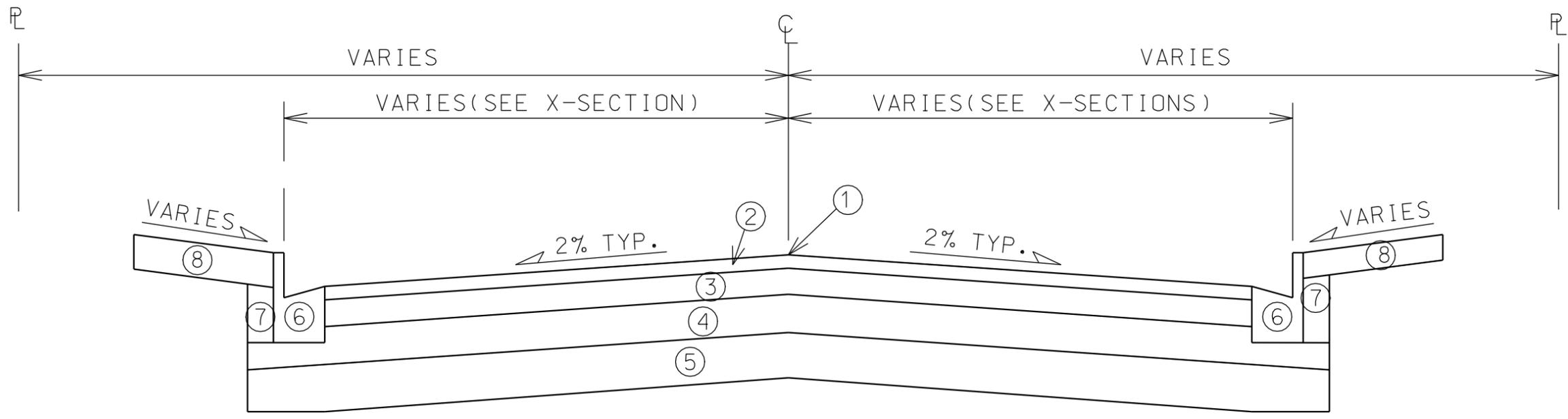
STREET GRADES
DESIGNED BY:



ELECTRICAL
DESIGNED BY:



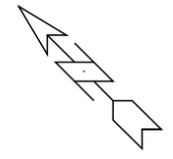
- ① POINT REFERRED TO ON PROFILE
- ② 1 3/4" BITUMINOUS UPPER LAYER, 12.5mm, TYPE E-3,
- ③ 3 1/2" BITUMINOUS LOWER LAYER, 19mm, TYPE E-3
- ④ PULVERIZED ASPHALT OR GRADATION 2 CRUSHED STONE WHERE NEEDED
- ⑤ EXISTING BASE
- ⑥ TYPE 'A' CONCRETE CURB & GUTTER
- ⑦ FILL
- ⑧ 4" TOPSOIL & SEED



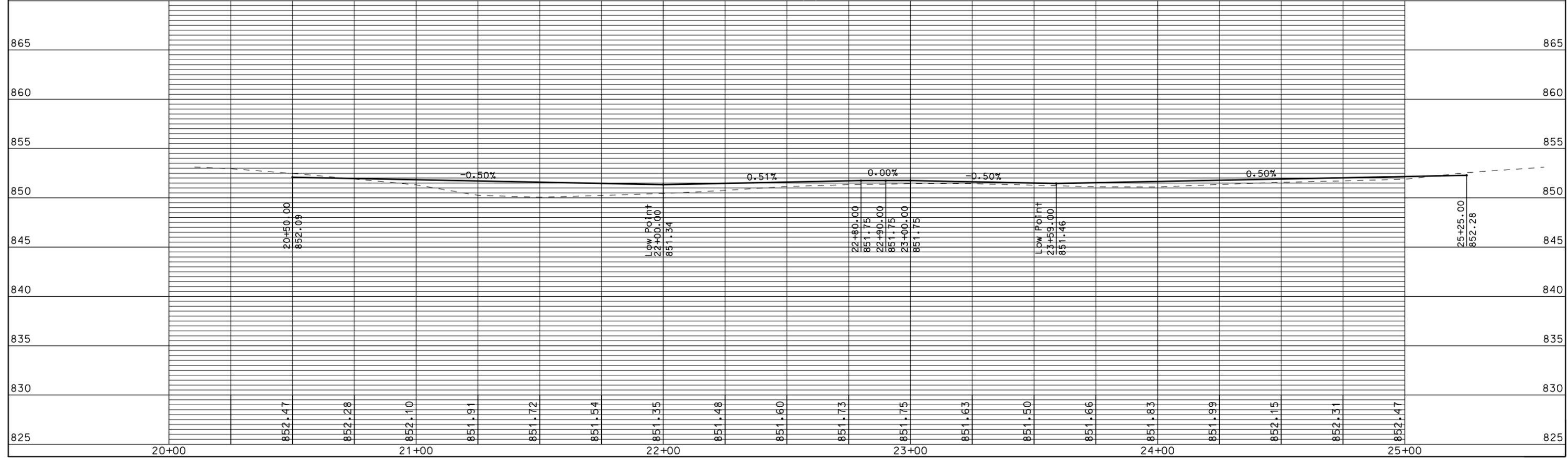
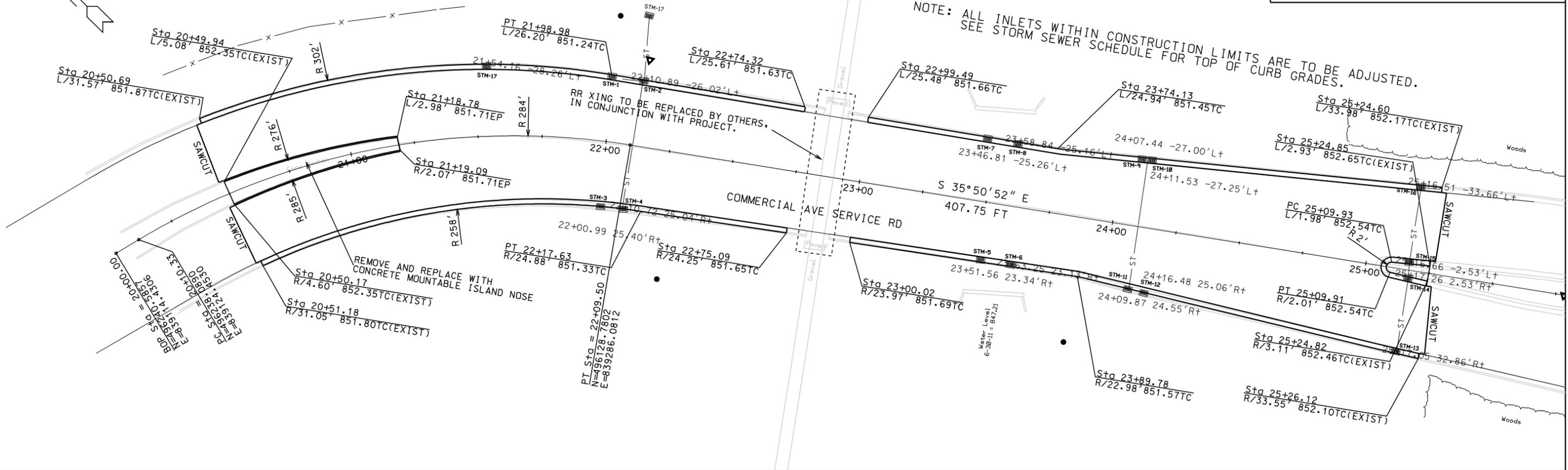
TYPICAL FINISHED SECTION
 COMMERCIAL AVENUE SERVICE ROAD
 20+50.00 TO 25+25.00
 NOT TO SCALE

PLOT SCALE:
 PLOT NAME:
 REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



NOTE: ALL INLETS WITHIN CONSTRUCTION LIMITS ARE TO BE ADJUSTED.
SEE STORM SEWER SCHEDULE FOR TOP OF CURB GRADES.



PLOT SCALE:
PLOT NAME:
REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

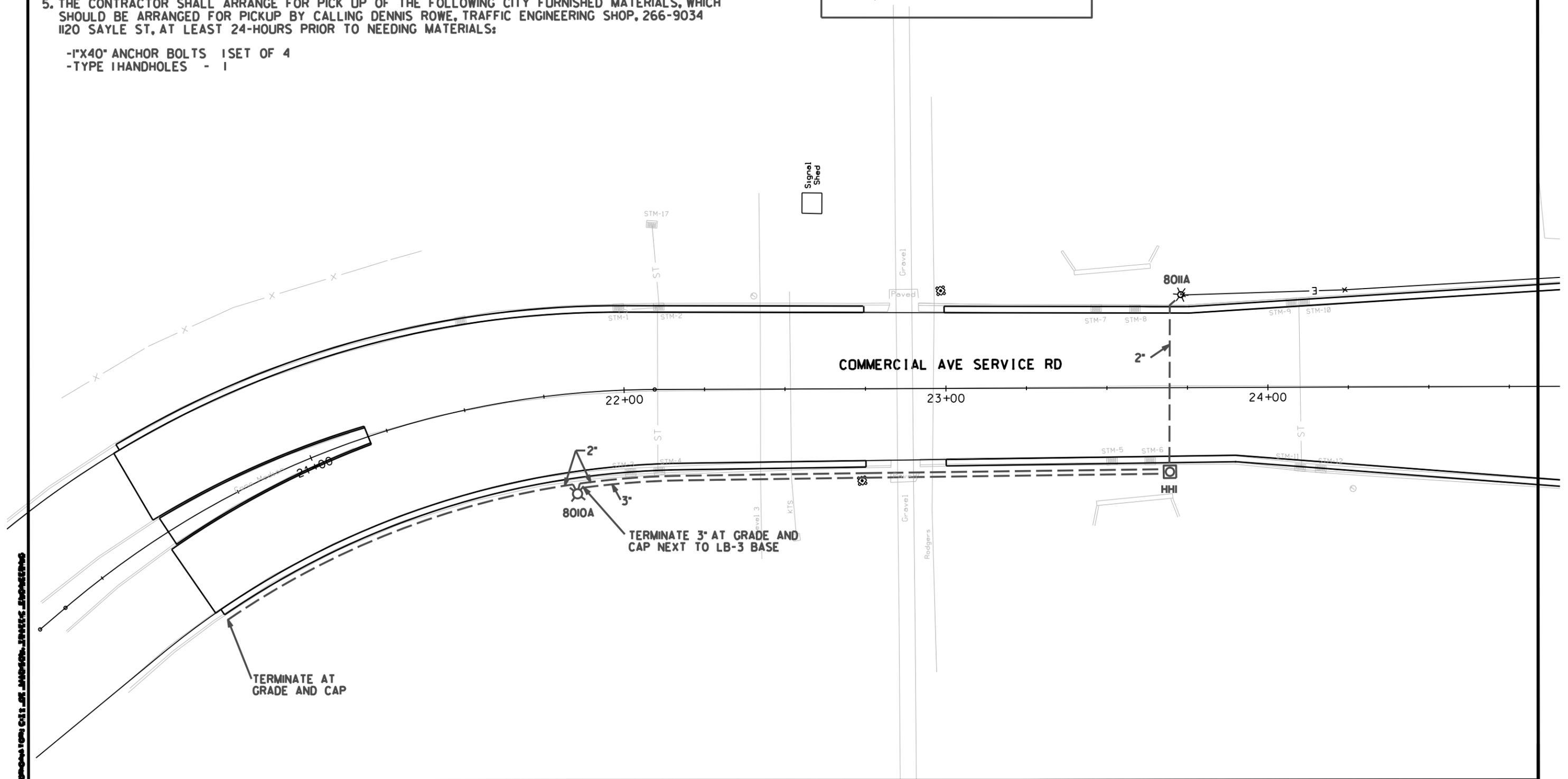
GENERAL ELECTRIC NOTES:

1. ALL LOCATIONS ARE APPROXIMATE. THE TRAFFIC ENGINEER SHALL APPROVE FINAL LOCATIONS, INCLUDING SETBACK, IN THE FIELD AFTER CONTRACTOR SURVEYS STAKING. THE CONTRACTOR SHALL NOTIFY DAN DETTMANN (266-6536) CITY TRAFFIC ENGINEERING, AT LEAST 24-HOURS IN ADVANCE OF NEEDING CONDUIT OR BASE LOCATIONS MARKED.
2. BASES INSTALLED IN TERRACE SHALL BE 4' FROM FACE OF CURB UNLESS OTHERWISE NOTED. SUBJECT TO NOTE 1 ABOVE.
3. RIGID CONDUIT REQUIRED FOR AREAS WHERE 18" DEPTH CANNOT BE OBTAINED. SCHEDULE 80 PVC SHALL BE INSTALLED UNDER RAILROAD TRACKS AND 10 FEET EACH SIDE, AT A DEPTH OF 5 FEET.
4. THE CONTRACTOR SHALL CALL MIKE CHRISTOPH (266-9031) AT THE TRAFFIC ENGINEERING SHOP AT LEAST 24-HOURS IN ADVANCE OF POURING BASES OR BURYING CONDUIT TO ARRANGE FOR INSPECTION. ANY WORK COMPLETED WITHOUT INSPECTION IS SUBJECT TO REJECTION.
5. THE CONTRACTOR SHALL ARRANGE FOR PICK UP OF THE FOLLOWING CITY FURNISHED MATERIALS, WHICH SHOULD BE ARRANGED FOR PICKUP BY CALLING DENNIS ROWE, TRAFFIC ENGINEERING SHOP, 266-9034 1120 SAYLE ST, AT LEAST 24-HOURS PRIOR TO NEEDING MATERIALS:

- 1"x40" ANCHOR BOLTS 1SET OF 4
- TYPE I HANDHOLES - 1

LEGEND

- ⊗ LB-3 BASE
- ⊠ ELECTRICAL HANDHOLE TYPE I
- · — · — · INSTALL PVC (SIZE NOTED)
- E — EXISTING CONDUIT
- ⊗ EXISTING STREETLIGHT



DATE PLOTTED: 8/1/12 11:58 AM

STORM SEWER SCHEDULE

ALIGNMENT CODES:

'C' = COMMERCIAL AVENUE SERVICE ROAD ALIGNMENT

COMMERCIAL AVENUE SERVICE ROAD
PROJECT NO. 53W1470

SHEET NO.
U-1

STORM SEWER SCHEDULE CITY OF MADISON

STRUCTURES

STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
STM-1	21'C'+98.98	LT-25.70	EX INLET	851.24	-	-	ADJUST STRUCTURE
STM-2	22'C'+10.89	LT-25.50	EX INLET	851.30	-	-	ADJUST STRUCTURE
STM-3	22'C'+00.99	RT-24.90	EX INLET	851.26	-	-	ADJUST STRUCTURE
STM-4	22'C'+10.70	RT-24.54	EX INLET	851.30	-	-	ADJUST STRUCTURE
STM-5	23'C'+51.56	RT-22.84	EX INLET	851.44	-	-	ADJUST STRUCTURE
STM-6	23'C'+63.25	RT-22.63	EX INLET	851.43	-	-	ADJUST STRUCTURE
STM-7	23'C'+46.81	LT-24.76	EX INLET	851.43	-	-	ADJUST STRUCTURE
STM-8	23'C'+58.54	RT-24.66	EX INLET	851.37	-	-	ADJUST STRUCTURE
STM-9	24'C'+07.44	LT-26.50	EX INLET	851.57	-	-	ADJUST STRUCTURE
STM-10	24'C'+11.53	LT-26.75	EX INLET	851.59	-	-	ADJUST STRUCTURE
STM-11	24'C'+09.87	RT-24.05	EX INLET	851.63	-	-	ADJUST STRUCTURE
STM-12	24'C'+16.48	RT-24.56	EX INLET	851.65	-	-	ADJUST STRUCTURE
STM-13	25'C'+17.05	RT-32.36	EX INLET	852.00	-	-	ADJUST STRUCTURE
STM-14	25'C'+17.26	RT-3.03	EX INLET	852.59	-	-	ADJUST STRUCTURE
STM-15	25'C'+16.66	RT-3.03	EX INLET	852.59	-	-	ADJUST STRUCTURE
STM-16	25'C'+16.51	RT-33.16	EX INLET	851.99	-	-	ADJUST STRUCTURE
STM-17	21'C'+54.16	LT-27.76	EX INLET	851.42	-	-	ADJUST STRUCTURE

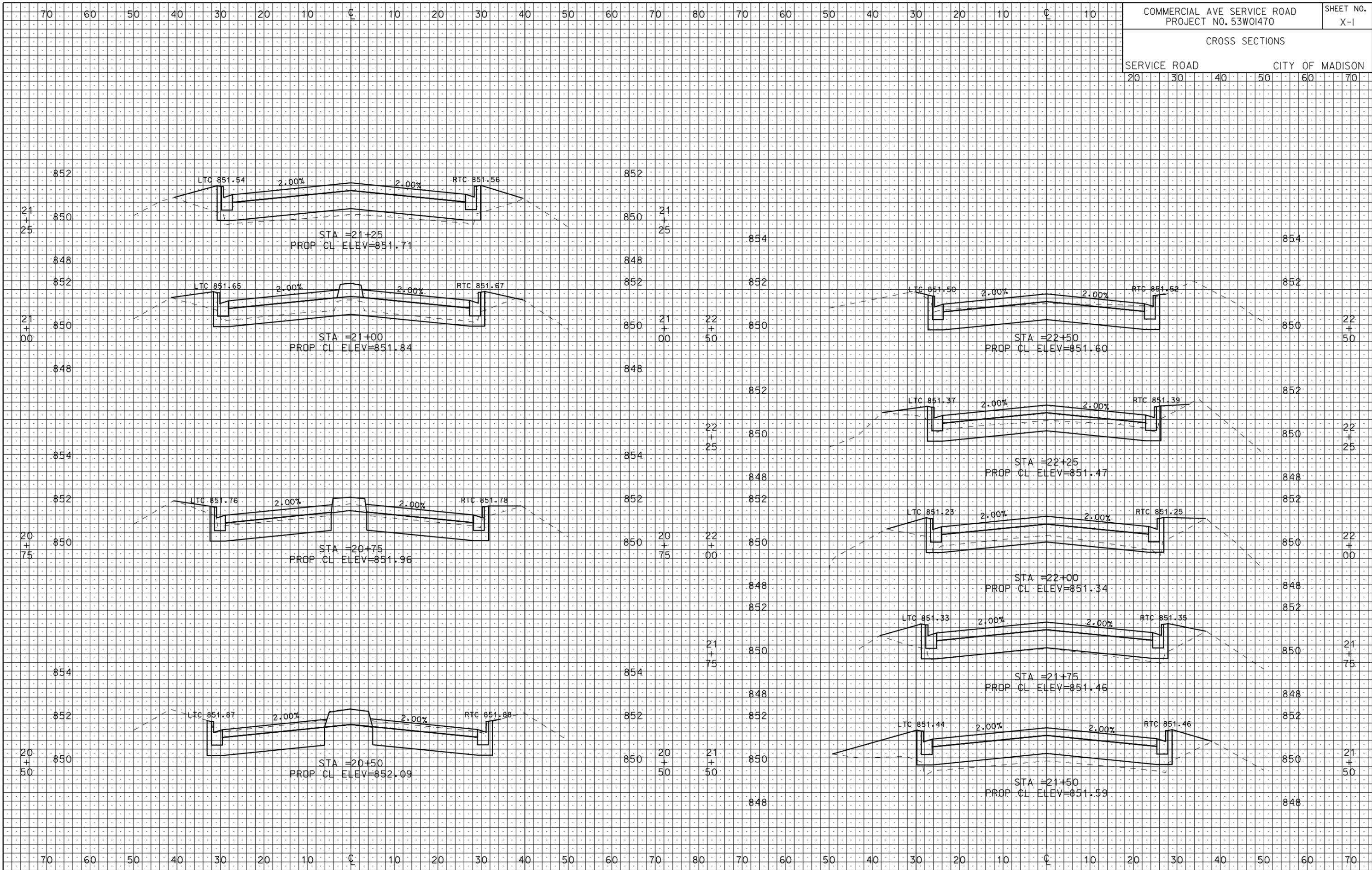
PIPES

PIPE NO.	FROM (DNSTM)	TO (UPSTM)	LGTH (FT)	DISCH. E.I.	INLET E.I.	SLOPE (%)	PIPE SIZE	TYPE	NOTES
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SPECIFIC NOTES

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 JOHN REIMER OF CITY ENGINEERING AT (608) 266-4094 FOR PRECAST APPROVALS, OR FAX SHOP DRAWINGS TO (608)264-9275.



PLOT SCALE: -----

PLOT NAME: -----

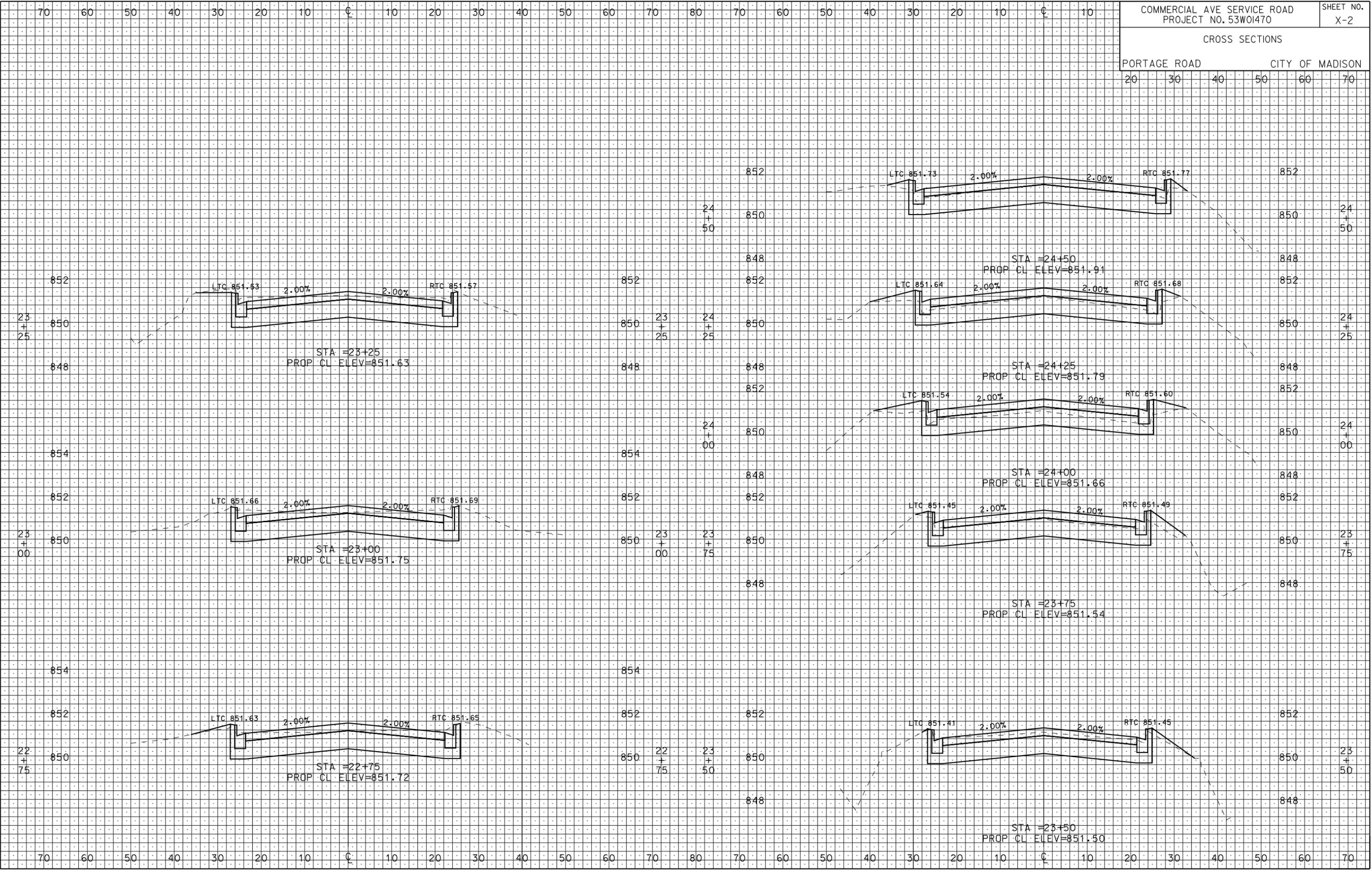
REV. DATE: -----

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

CROSS SECTIONS

PORTAGE ROAD CITY OF MADISON

20 30 40 50 60 70



PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

70 60 50 40 30 20 10 C 10 20 30 40 50 60 70 80 70 60 50 40 30 20 10 C 10

COMMERCIAL AVE SERVICE ROAD
PROJECT NO. 53W01470

SHEET NO.
X-3

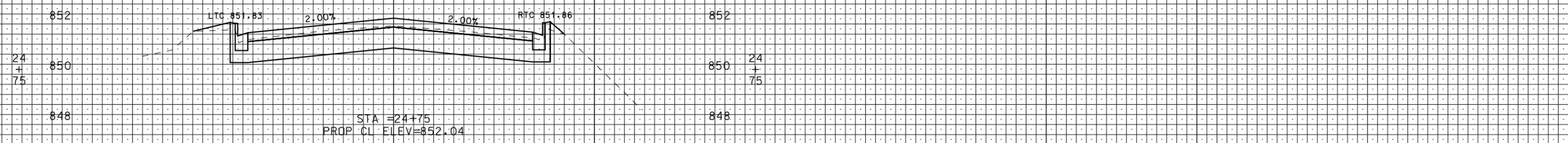
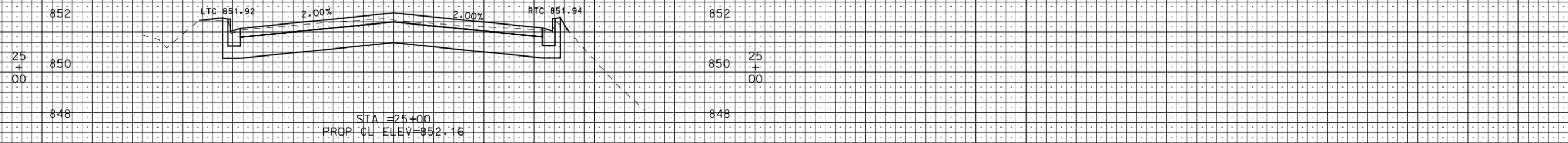
CROSS SECTIONS

SERVICE ROAD CITY OF MADISON
20 30 40 50 60 70

PLOT SCALE:

PLOT NAME:

REV. DATE:



70 60 50 40 30 20 10 C 10 20 30 40 50 60 70 80 70 60 50 40 30 20 10 C 10 20 30 40 50 60 70