

Madison, Wisconsin

CITY OF MADISON

CITY ENGINEERING DIVISION

DEPARTMENT OF PUBLIC WORKS

PLAN OF PROPOSED IMPROVEMENT

COMMERCIAL AVENUE (CTH T) AND N. SPRECHER ROAD INTERSECTION IMPROVEMENTS - 2015

CITY PROJECT NO. 53W1901 (MUNIS #10477)

CONTRACT NO. 7429

PUBLIC IMPROVEMENT PROJECT APPROVED

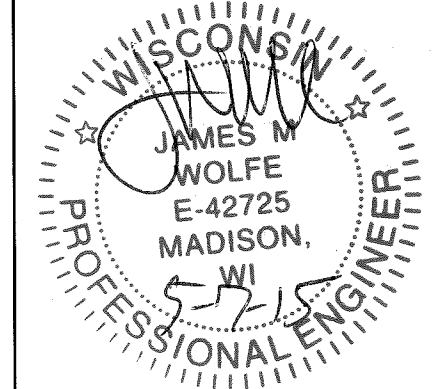
APRIL 21, 2015

BY THE COMMON COUNCIL
OF MADISON, WISCONSIN

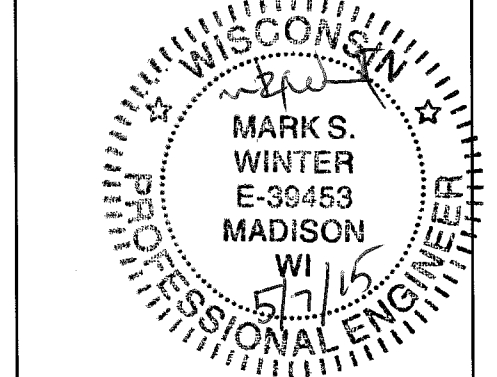
PUBLIC IMPROVEMENT DESIGN
APPROVED BY:

[Signature] 5/7/15
City Engineer Date

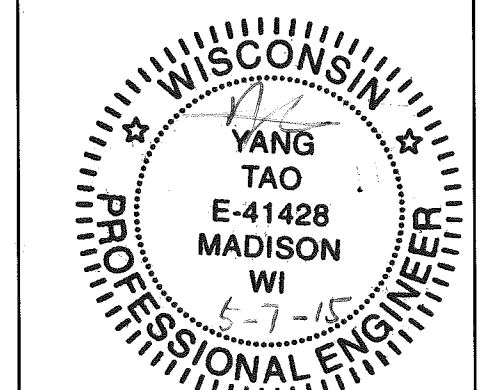
STREET
DESIGNED BY:



GEOMETRICS & MARKINGS
DESIGNED BY:



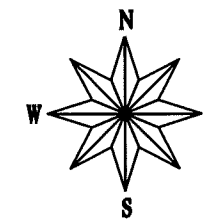
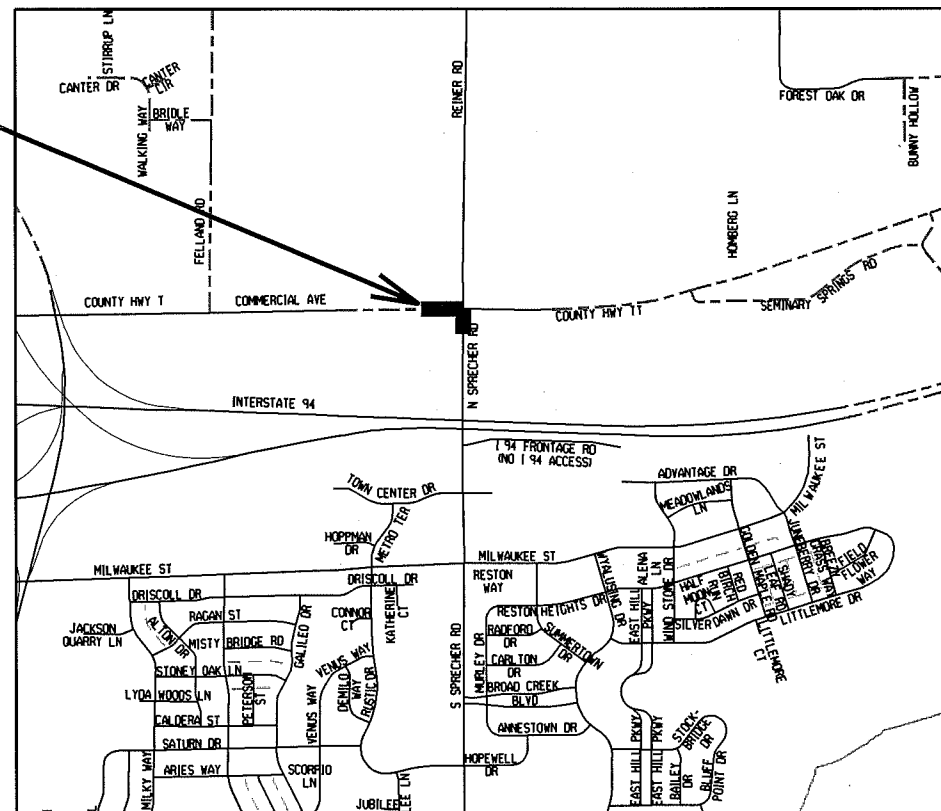
ELECTRICAL
DESIGNED BY:



INDEX OF SHEETS

SHEET NO.	TITLE
1	STREET PLAN & DETAILS
MI-M3	PAVEMENT MARKING PLAN
EI	ELECTRICAL PLAN
TC1	TRAFFIC CONTROL PLAN
XI-X3	CROSS SECTIONS

PROJECT
LOCATION



CONVENTIONAL SIGNS

FIELD VERIFY ALL UTILITY LOCATIONS

GAS	G
STORM SEWER	ST
SANITARY SEWER	SAN
WATER	W
OVERHEAD ELECTRIC	OH
POWER POLE	□

NOTES:

ALL GUTTERS SHALL DRAIN WITH A MINIMUM GRADE OF 0.50% TOWARD STORM SEWER INLETS.

SIDEWALK RAMPS AND CURB THRU SIDEWALK RAMPS SHALL HAVE A MAXIMUM SLOPE OF 1" PER 12". SIDEWALK AND CURB RAMPS SHALL BE CONSTRUCTED WITH A SIDE SLOPE OF 2.00%. SIDEWALK SHALL HAVE A MINIMUM LONGITUDINAL SLOPE OF 0.50% AND A MAXIMUM LONGITUDINAL SLOPE OF 5.00%

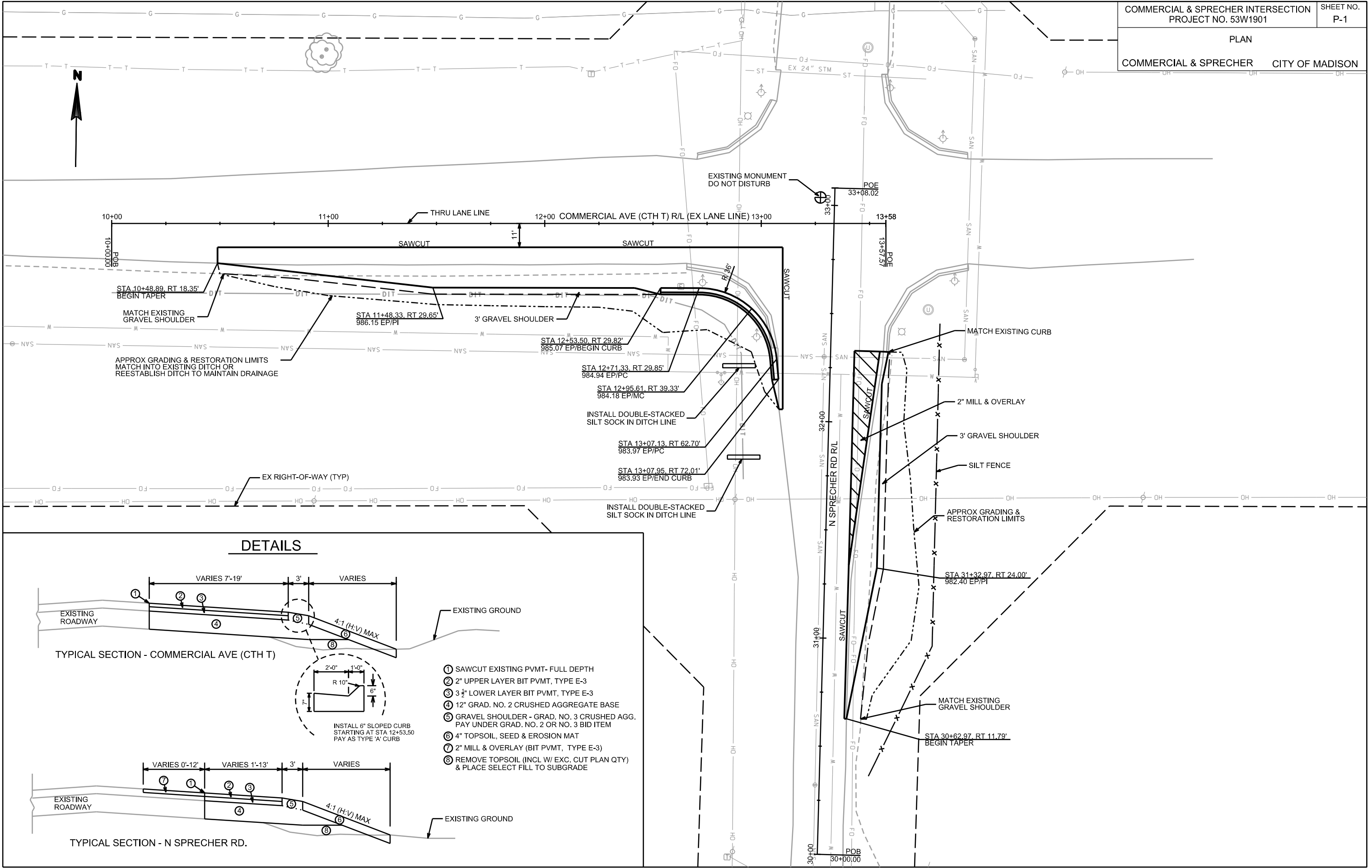
EARTH WORK SUMMARY:
EXCAVATION CUT (MEASURED PLAN QUANTITY).....470 C.Y.
ESTIMATED UNDISTRIBUTED UNDERCUT.....65 C.Y.
TOTAL UNCLASSIFIED EXCAVATION CUT.....535 C.Y.

PLOT SCALE:

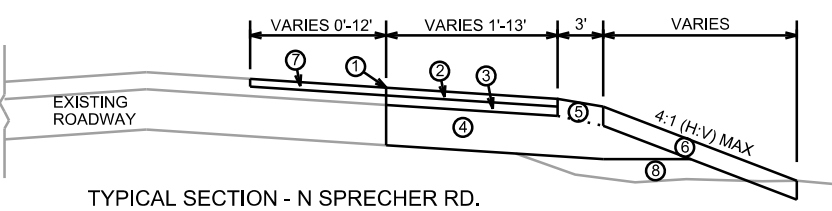
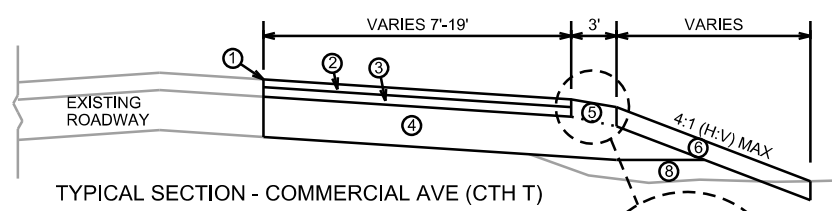
PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



DETAILS



- ① SAWCUT EXISTING PVTM- FULL DEPTH
- ② 2" UPPER LAYER BIT PVTM, TYPE E-3
- ③ 3 1/2" LOWER LAYER BIT PVTM, TYPE E-3
- ④ 12" GRAD. NO. 2 CRUSHED AGGREGATE BASE
- ⑤ GRAVEL SHOULDER - GRAD. NO. 3 CRUSHED AGG. PAY UNDER GRAD. NO. 2 OR NO. 3 BID ITEM
- ⑥ 4" TOPSOIL, SEED & EROSION MAT
- ⑦ 2" MILL & OVERLAY (BIT PVTM, TYPE E-3)
- ⑧ REMOVE TOPSOIL (INCL W/ EXC. CUT PLAN QTY) & PLACE SELECT FILL TO SUBGRADE

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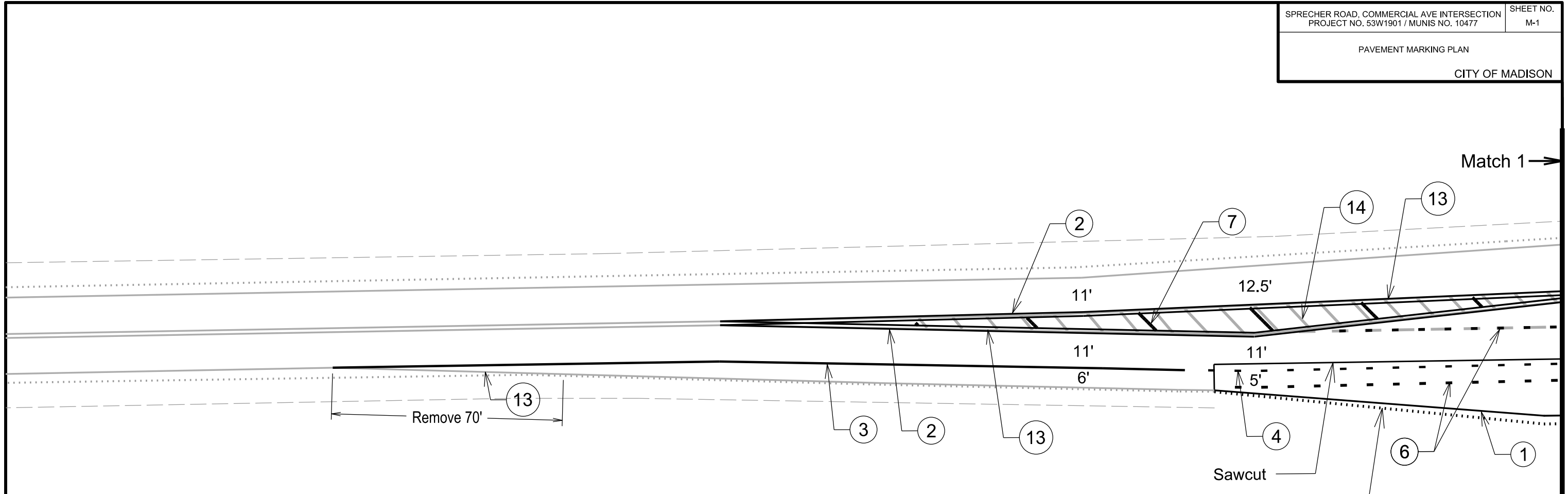
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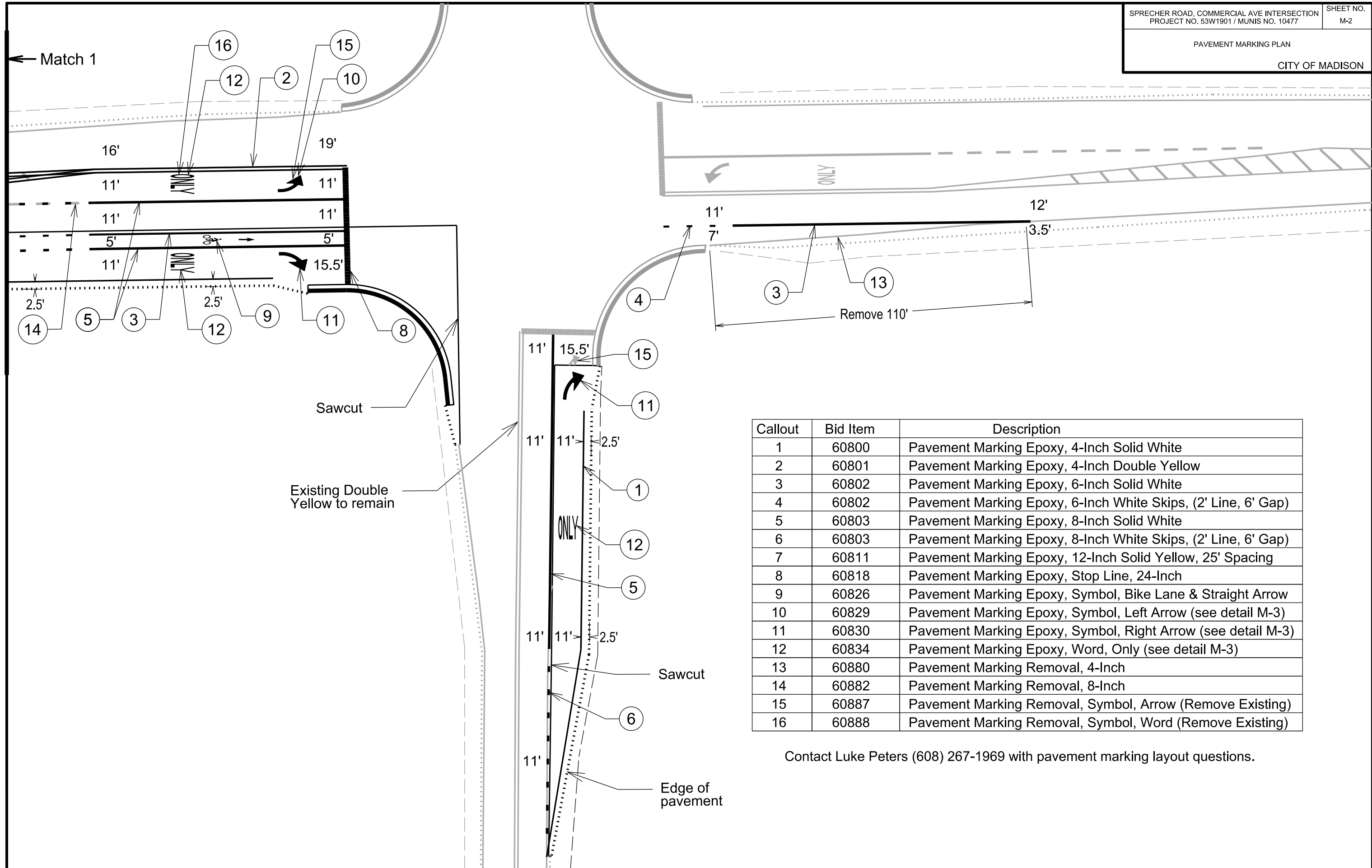
REV. DATE:

ORIGINATOR: CITY OF MADISON, TRAFFIC ENG. DIV.



Callout	Bid Item	Description
1	60800	Pavement Marking Epoxy, 4-Inch Solid White
2	60801	Pavement Marking Epoxy, 4-Inch Double Yellow
3	60802	Pavement Marking Epoxy, 6-Inch Solid White
4	60802	Pavement Marking Epoxy, 6-Inch White Skips, (2' Line, 6' Gap)
5	60803	Pavement Marking Epoxy, 8-Inch Solid White
6	60803	Pavement Marking Epoxy, 8-Inch White Skips, (2' Line, 6' Gap)
7	60811	Pavement Marking Epoxy, 12-Inch Solid Yellow, 25' Spacing
8	60818	Pavement Marking Epoxy, Stop Line, 24-Inch
9	60826	Pavement Marking Epoxy, Symbol, Bike Lane & Straight Arrow
10	60829	Pavement Marking Epoxy, Symbol, Left Arrow (see detail M-3)
11	60830	Pavement Marking Epoxy, Symbol, Right Arrow (see detail M-3)
12	60834	Pavement Marking Epoxy, Word, Only (see detail M-3)
13	60880	Pavement Marking Removal, 4-Inch
14	60882	Pavement Marking Removal, 8-Inch
15	60887	Pavement Marking Removal, Symbol, Arrow (Remove Existing)
16	60888	Pavement Marking Removal, Symbol, Word (Remove Existing)

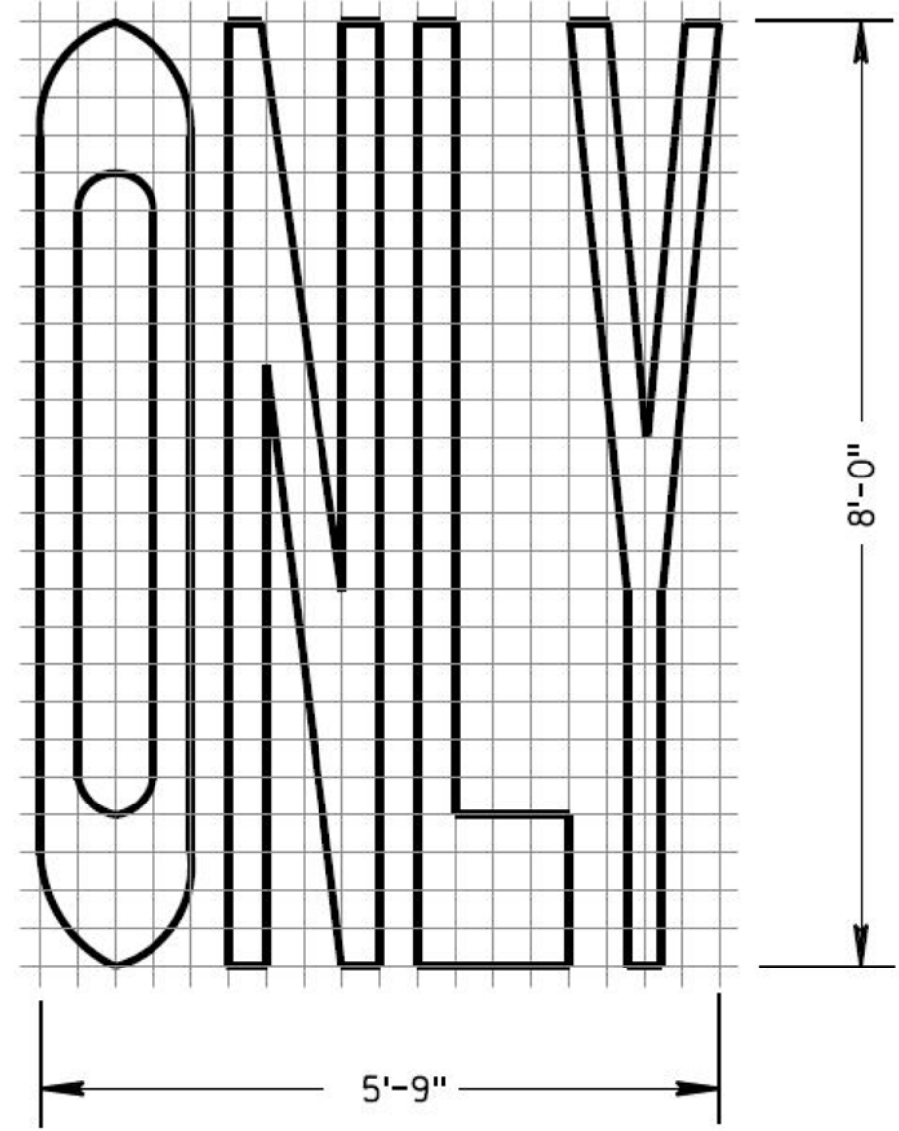
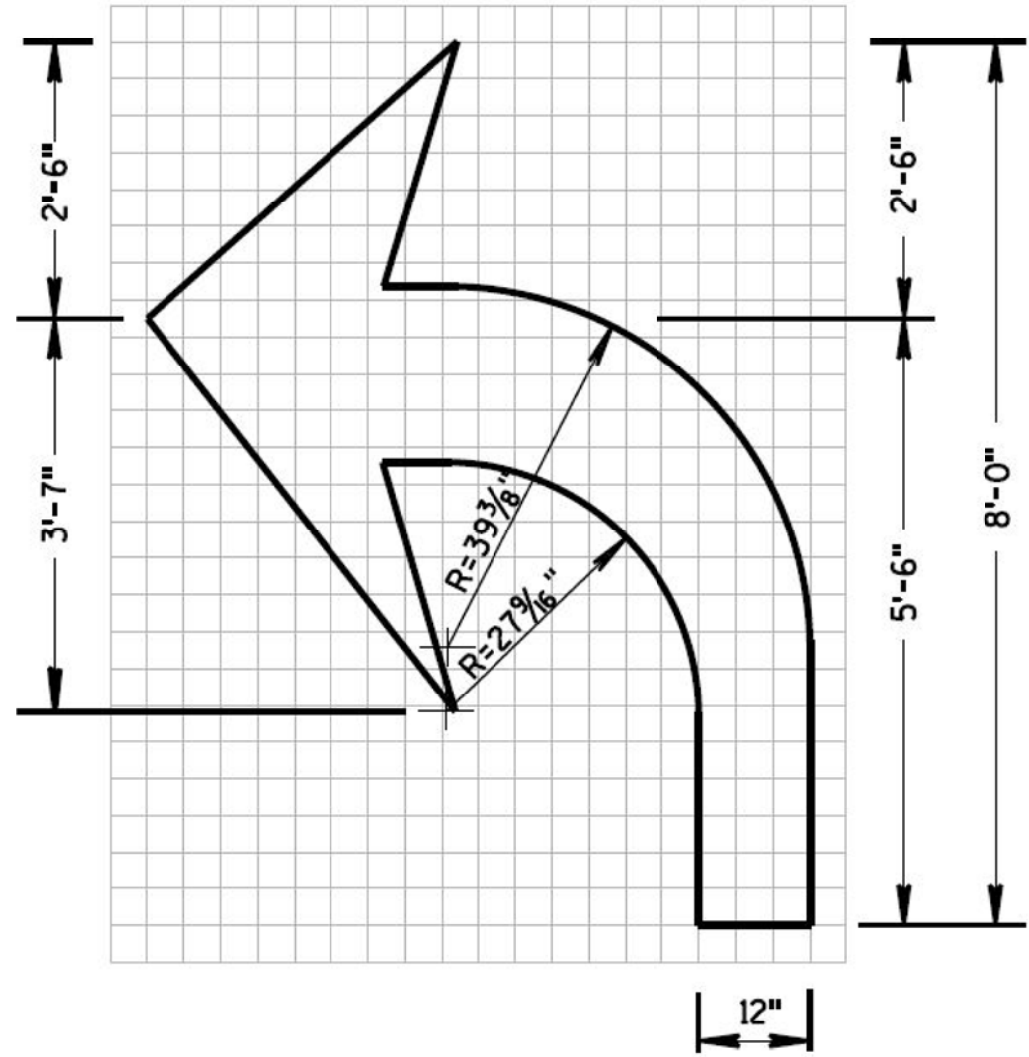
Contact Luke Peters (608) 267-1969 with pavement marking layout questions.



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LEGEND

- INSTALL PVC (3" UNLESS OTHERWISE NOTED)
- ⊗ TRAFFIC CONTROLLER BASE (TYPE P)
- ⊙ TYPE G BASE
- ⊠ ELECTRICAL HANDHOLE TYPE I
- ⊡ ELECTRICAL HANDHOLE TYPE III
- ⊣ ELECTRICAL HANDHOLE TYPE V
- ⊞ EXISTING ELECTRICAL HANDHOLE
- - - EXISTING ELECTRICAL CONDUIT

COMMERCIAL AVE

N SPRECHER RD

MATCH AND CONNET TO EXISTING CONDUITS

MATCH AND CONNET TO EXISTING CONDUITS

REMOVE
REMOVE
REMOVE

REMOVE

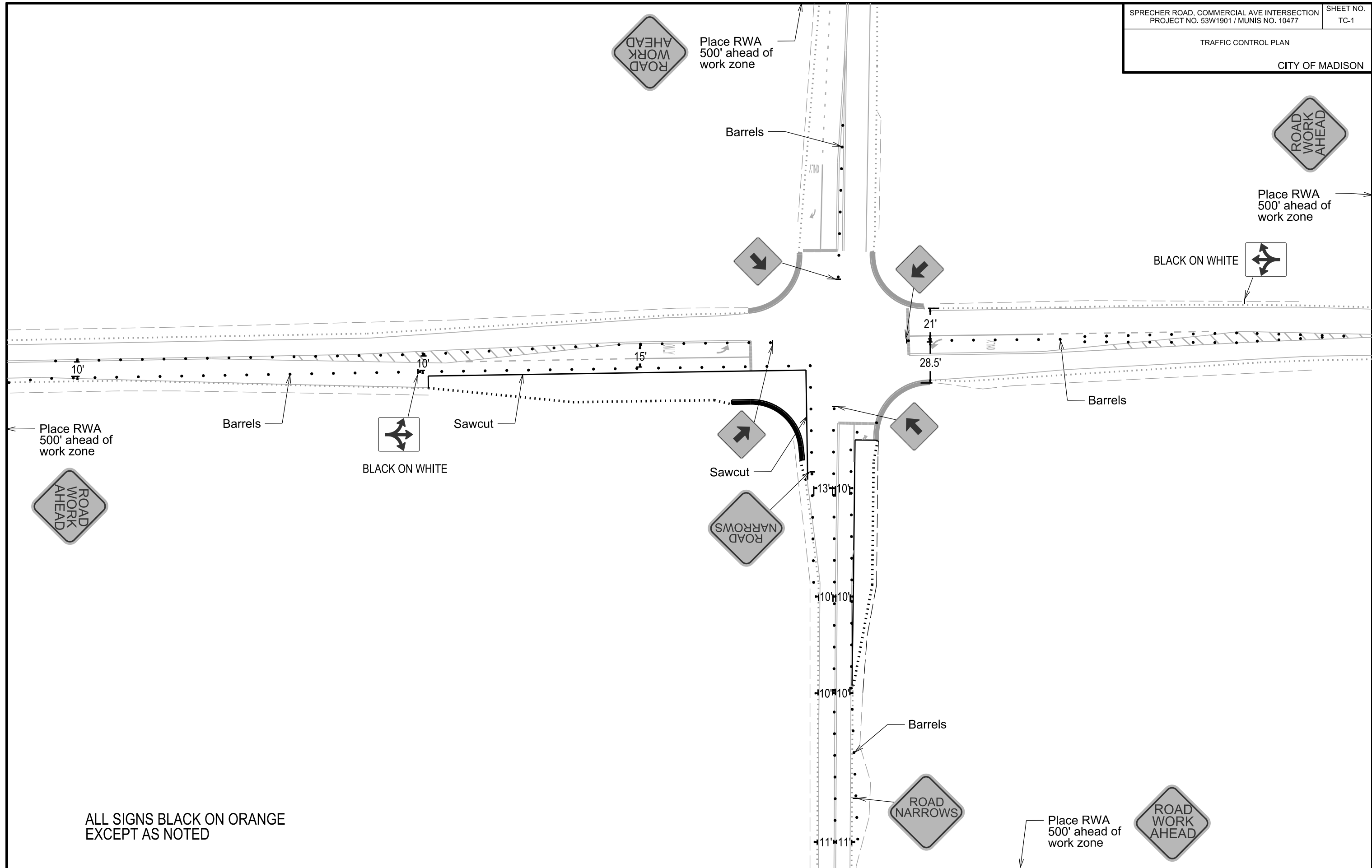
- GENERAL ELECTRIC NOTES:**
1. ALL LOCATIONS ARE APPROXIMATE. THE TRAFFIC ENGINEER SHALL APPROVE FINAL LOCATIONS, INCLUDING SETBACK, IN THE FIELD AFTER CONTRACTOR SURVEYS STAKING. THE CONTRACTOR SHALL NOTIFY YANG TAO (266-4815) CITY TRAFFIC ENGINEERING, AT LEAST 24-HOURS IN ADVANCE OF NEEDING CONDUIT 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. THE CONTRACTOR SHALL DO ALL WORK IN ACCORDANCE WITH "CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 2015 EDITION" AND ALL ADDENDUMS THERETO. ALL CONDUIT SHALL BE PVC, SCHEDULE 80 UNDER PAVEMENT OR SCHEDULE 40 OTHERWISE. PULL WIRE REQUIRED AS PER STANDARD SPECIFICATIONS.
 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:
 - 3/4"X19" ANCHOR BOLTS 1 SET OF 4
 - TYPE I HANDHOLES - 1
 - TYPE III HANDHOLES - 1
 - TYPE V HANDHOLES - 1

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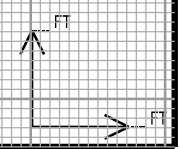
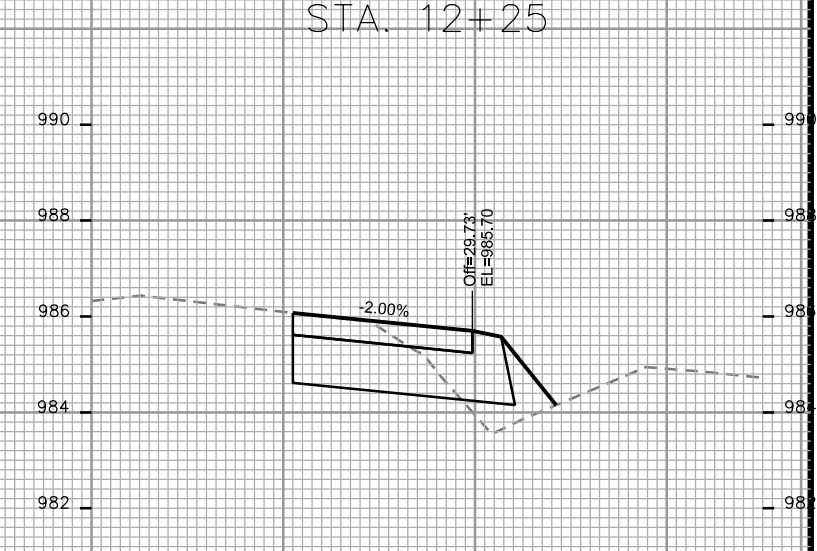
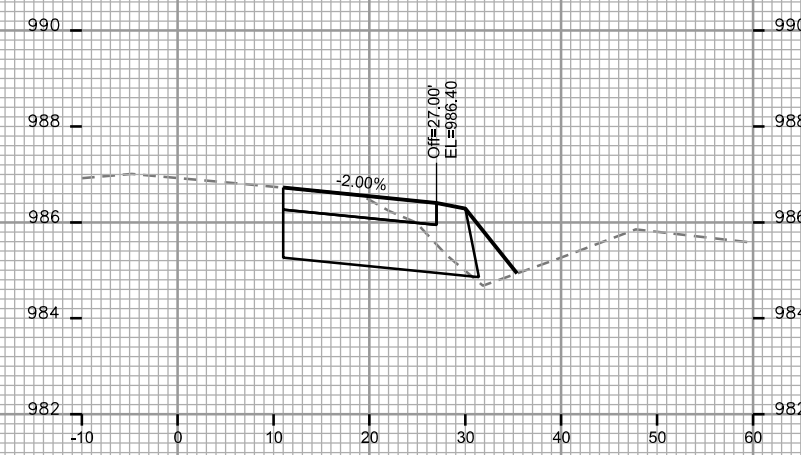
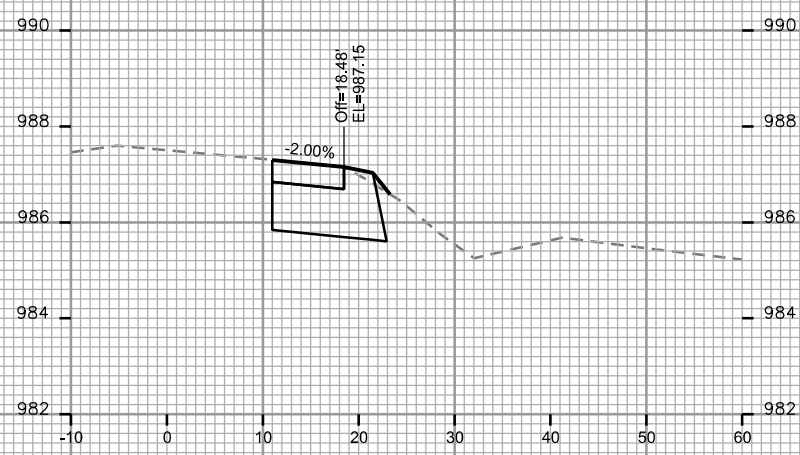
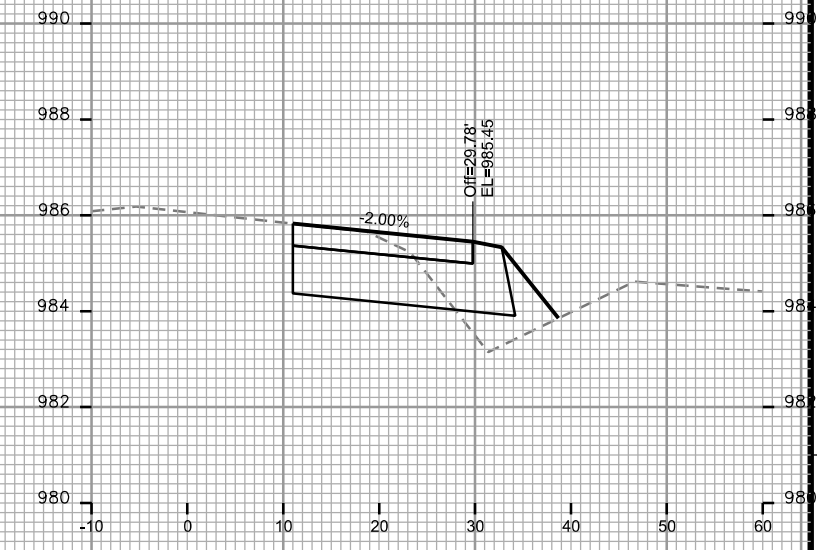
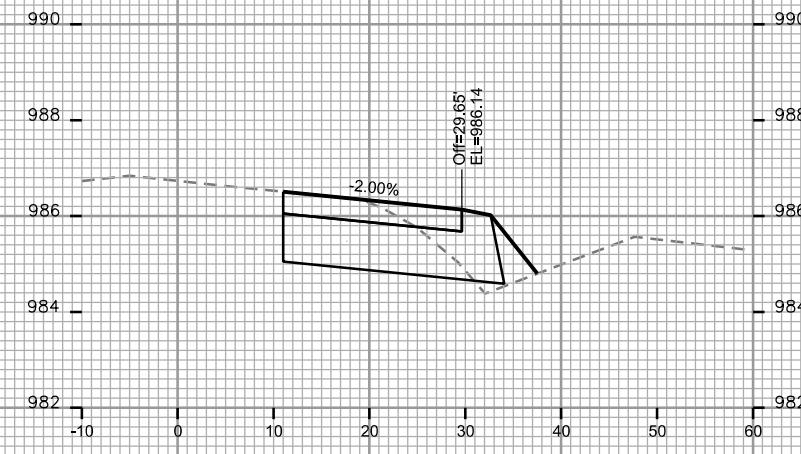
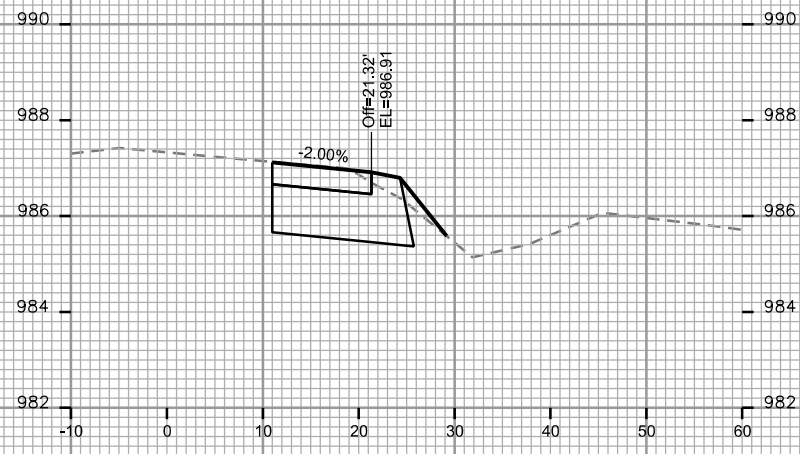
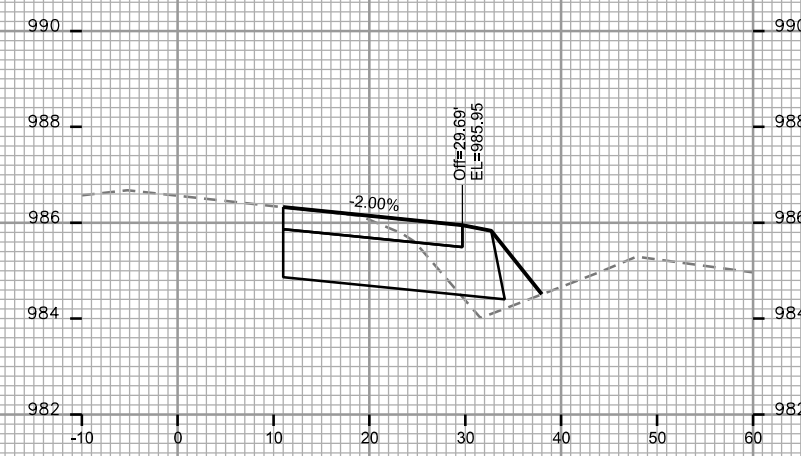
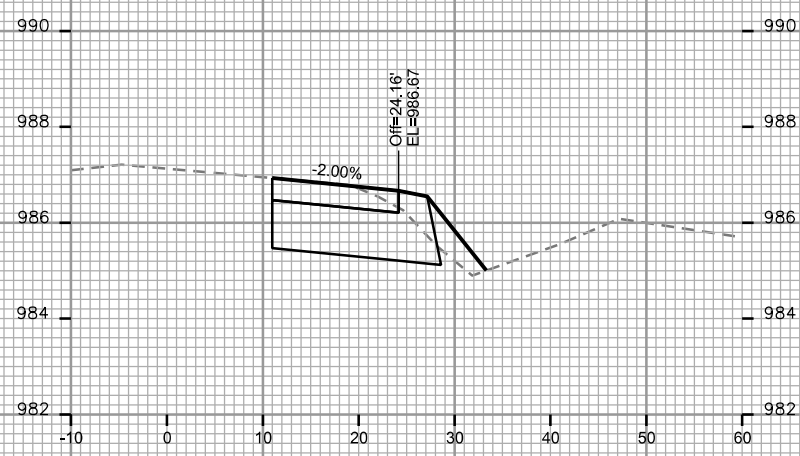
TRAFFIC CONTROL PLAN

CITY OF MADISON

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ALL SIGNS BLACK ON ORANGE
EXCEPT AS NOTED



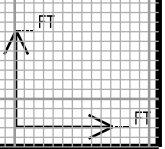
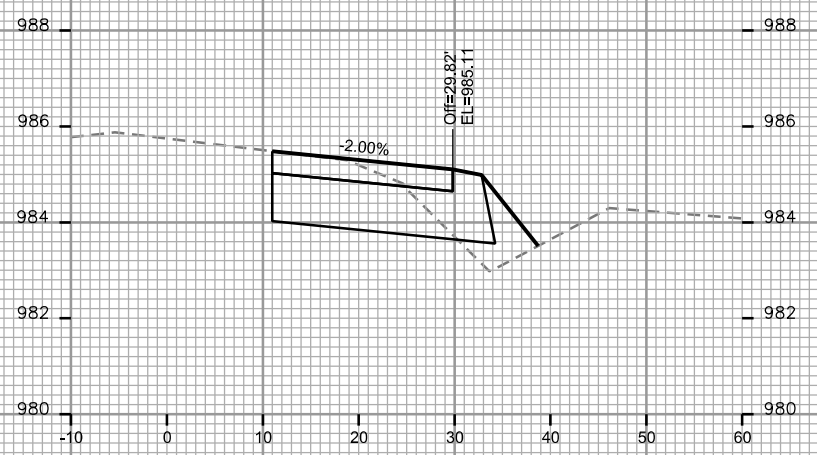
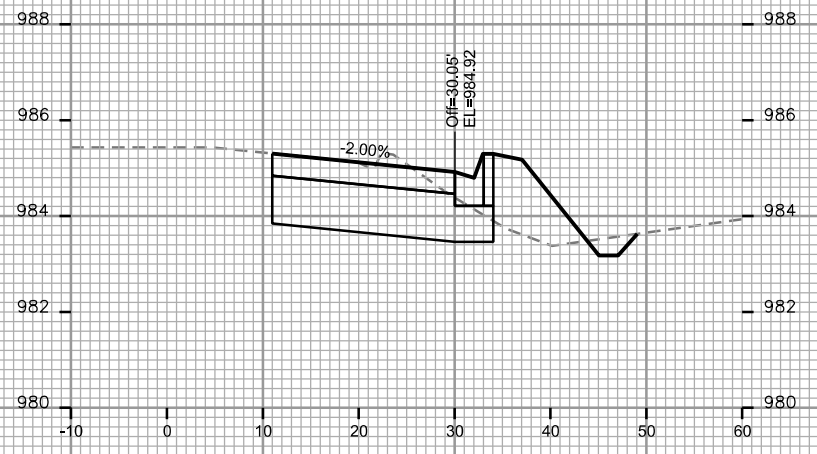
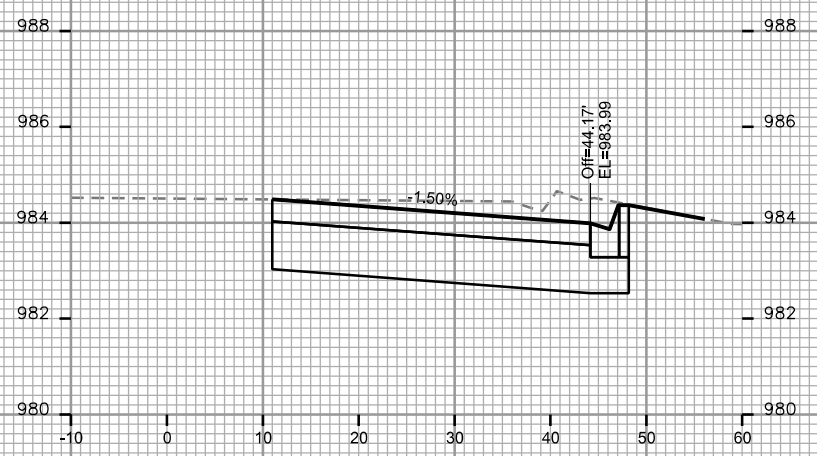
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CROSS SECTIONS
COMMERCIAL AVE. CITY OF MADISON



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CROSS SECTIONS
SPRECHER RD. CITY OF MADISON

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