

INDEX OF SHEETS

SHEET NO. TITLE

02-28-14 LETTING ITEM 049

STATE OF ILLINOIS

**DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS**

**PLANS FOR PROPOSED CMAQ
VILLAGE OF SAUGET, ILLINOIS
MOUSETTE LANE FAU 9200 AND GOOSE LAKE DRIVE/
SAUGET BUSINESS BOULEVARD
TRAFFIC SIGNAL INSTALLATION PLAN
PROJECT NO. CMM 5011(360)
CITY SECTION 11-00009-04-TL
JOB NO. C-98-382-11
ST. CLAIR COUNTY, ILLINOIS
COUNTY SECTION 13-00244-06-TL**

LIST OF STANDARDS

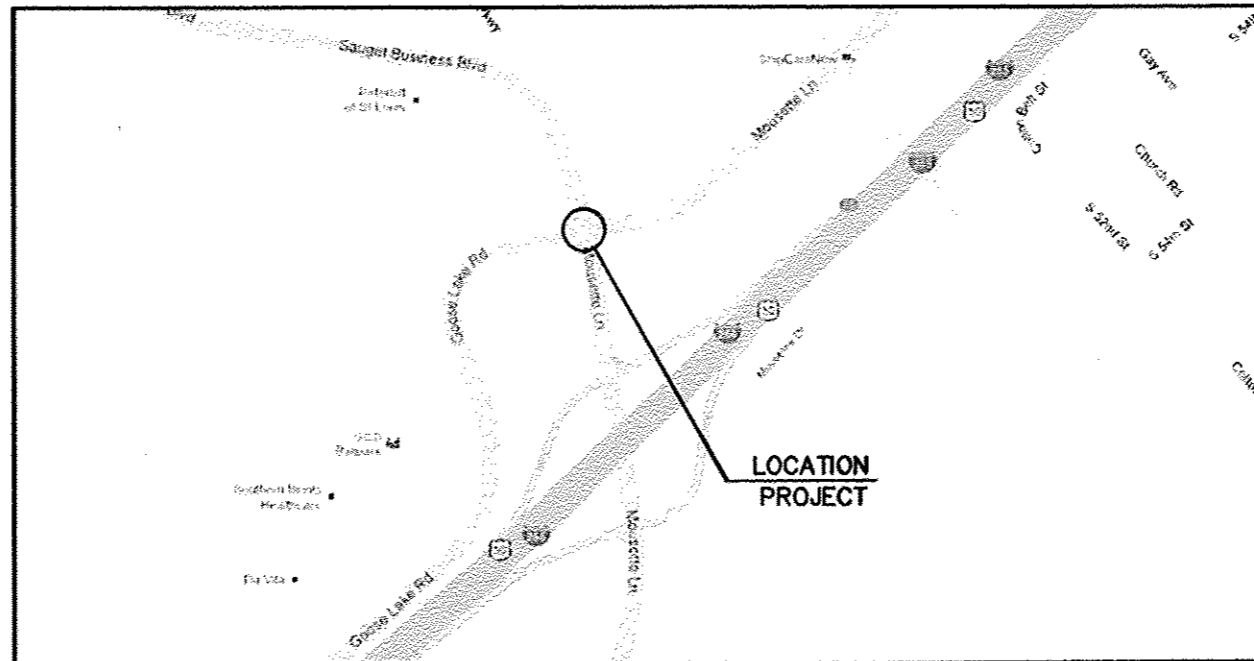
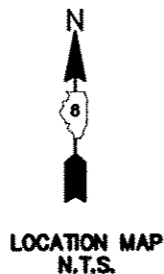
- 000001-06 STANDARD SYMBOLS, ABBREVIATIONS, & PATTERNS
- 442201-03 CLASS C AND D PATCHES
- 701101-04 OFF ROAD OPERATIONS...
- 701701-09 LANE CLOSURE, URBAN: MULTILANE INTERSECTION
- 701901-03 TRAFFIC CONTROL DEVICES
- 720001-01 SIGN PANEL MOUNTING DETAILS
- 720016-03 MAST ARM MOUNTED STREET NAME SIGNS
- 780001-04 TYPICAL PAVEMENT MARKINGS
- 805001-01 ELECTRICAL SERVICE INSTALLATION DETAILS
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- 857001-01 STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES
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- 877001-05 STEEL MAST ARM ASSEMBLY AND POLE 16' THROUGH 55'
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- 886001-01 DETECTOR LOOPS INSTALLATIONS
- 886006-01 TYPICAL LAYOUTS FOR DETECTION LOOPS

UTILITIES

- WATER**
Commonfields of Cahokia
2525 Moussette Ln.
Cahokia, IL 62206
- ELECTRIC**
AMEREN ILLINOIS
500 E. Broadway
East St. Louis, IL 62203
- PHONE DATA**
AT&T
OSPE Engineering - Collinsville
203 Geothe, Floor 1
Collinsville, IL 62234
- SANITARY PRESSURE**
SEWER w/ ELECTRIC CONDUIT
Village of Sauget
2897 Falling Springs Rd.
Sauget, IL 62206
- GAS**
AMEREN ILLINOIS
2460 N. Jasper Street
Decatur, IL 62206

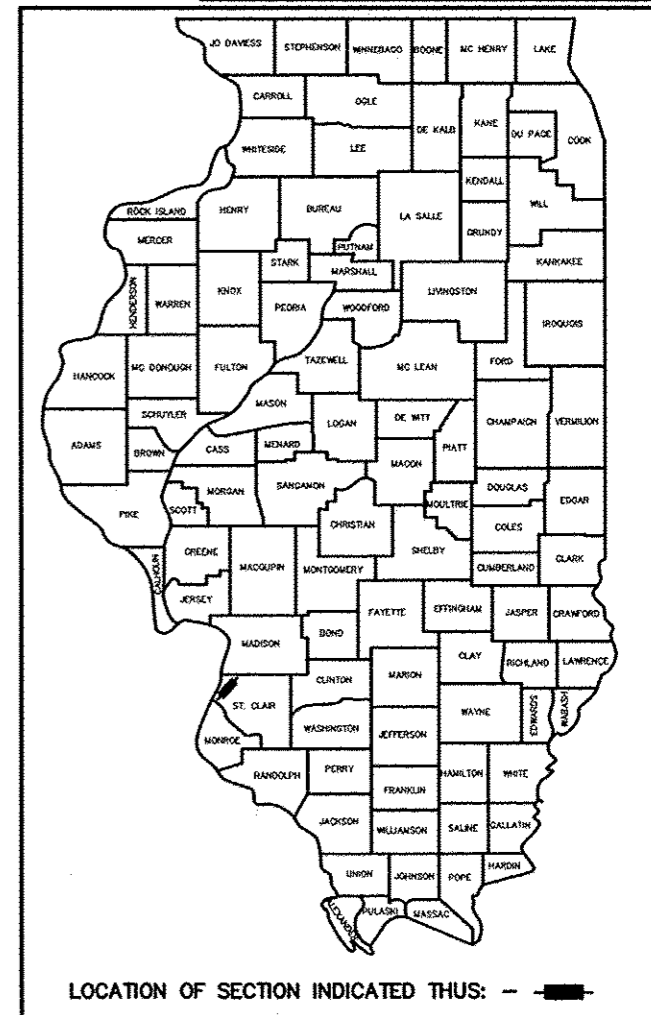
ROADWAY DESIGNATION:
MOUSETTE LANE-COLLECTOR - ADT 10,800
GOOSE LAKE ROAD-LOCAL ROAD - ADT 3,450
SAUGET INDUSTRIAL BLVD-COLLECTOR - ADT 7,200

J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123
OR 811



LENGTH OF PROJECT: 1500 L.F., 0.28 MI.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-	11-00009-04-TL	ST. CLAIR	8	1
FEDERAL AID PROJECT		ILLINOIS CONTRACT NO. 97506		



LOCATION OF SECTION INDICATED THUS: - ■ -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS	
Village of Sauget	
APPROVED	12-27 2013 <i>[Signature]</i> RICHARD SAUGET JR. MAYOR
APPROVED	December 20 2013 <i>[Signature]</i> JAMES FIELDS COUNTY ENGINEER
PASSED	January 3 2014 <i>[Signature]</i> DISTRICT 8 ENGINEER OF LOCAL ROADS & STREETS
RELEASING FOR BID BASED UPON LIMITED REVIEW	January 3 2014 <i>[Signature]</i> DEPUTY DIRECTOR OF HIGHWAYS, REGION 5 ENGINEER

[Signature]
Name
12/17/13
Date
1/13/15
License Expiration

THOMAS P. WEIS
Name
12/19/13
Date
1/30/15
License Expiration

CBB Crawford, Bunte, Brammeier
Traffic and Transportation Engineers
St. Louis, Missouri/Glen Carbon, Illinois
314-878-6644 618-656-2612
Fax: 314-878-5876 E-Mail: cbb@cbbtraffic.com

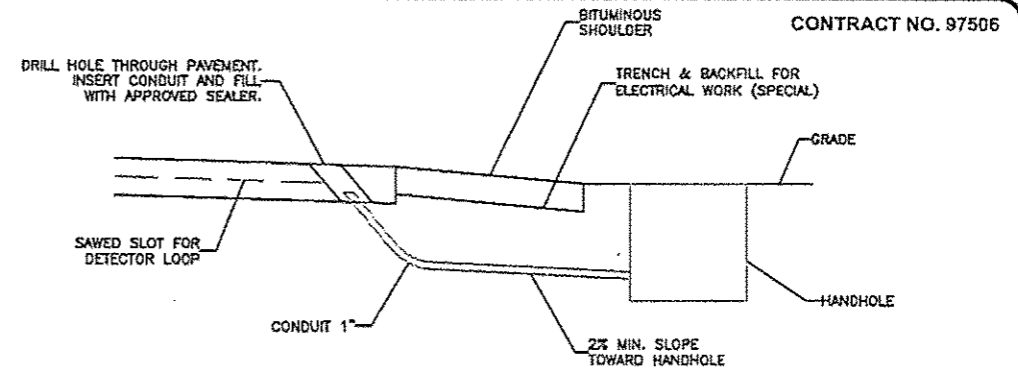
WG Weis Design Group
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Sauget, IL 62206
(618) 874-0320
phwa@phweis.com

16296 Westwoods
Business Park Dr.
Ellisville, Mo. 63021
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f. (636) 207-0328

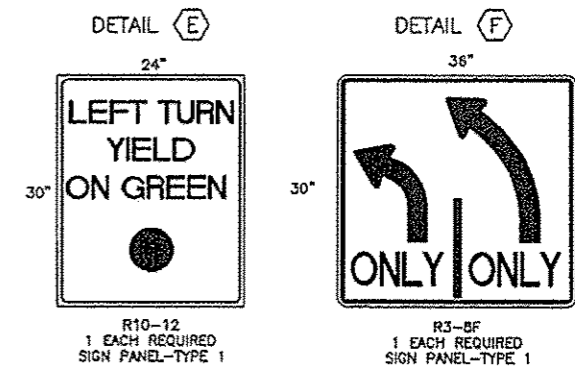
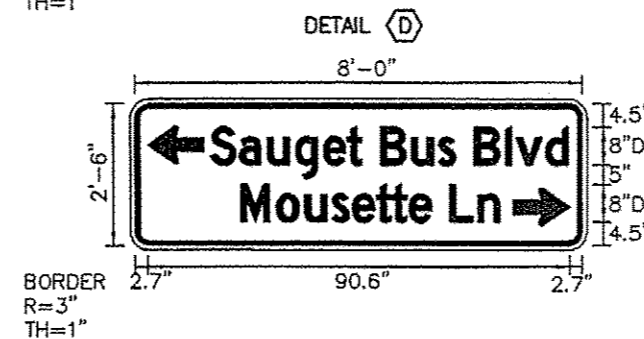
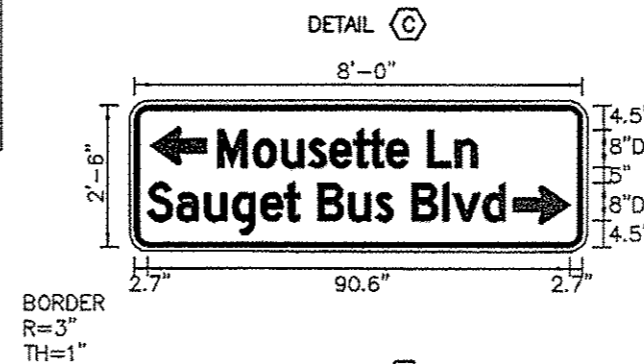
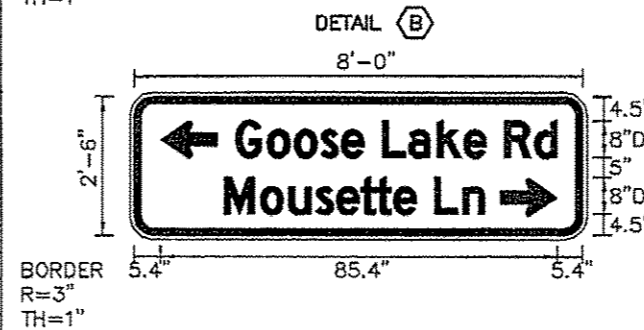
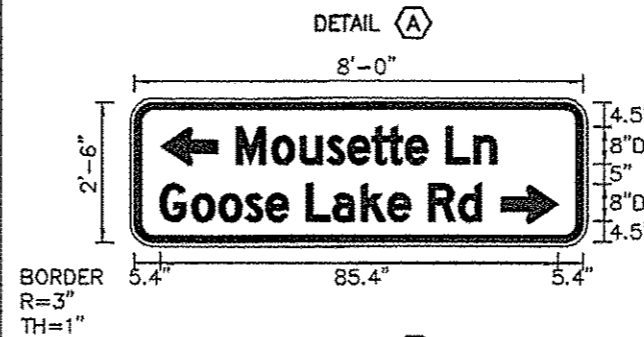
SUMMARY OF QUANTITIES

PAY CODE NUMBER	ITEM DESCRIPTION	UNIT	QUANTITY	ROADWAY	TRAFFIC SIGNALS
44201785 *	CLASS D PATCHES, TYPE 1, 12 INCH	SQ YD	5	5	
66900200 *	NON-SPECIAL WASTE DISPOSAL	CYD	40	0	40
66900450 *	SPECIAL WASTE PLANS AND REPORTS	LUMP SUM	1	0	1
66900530 *	SOIL DISPOSAL ANALYSIS	EACH	2	0	2
67100100	MOBILIZATION	LUMP SUM	1	0.2	0.8
72000100 *	SIGN PANEL - TYPE 1	SQ FT	20	0	20
72000200 *	SIGN PANEL - TYPE 2	SQ FT	75		75
78000100 *	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	159	159	
78000200 *	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	229	229	
78000650 *	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	24	24	
78300100 *	PAVEMENT MARKING REMOVAL	SQ FT	1008	1008	
80500100	SERVICE INSTALLATION, TYPE A	EACH	1		1
81028190	UNDERGROUND CONDUIT, GALVANIZED STEEL, 1 1/2" DIA.	FOOT	57		57
81028320	UNDERGROUND CONDUIT, PVC, 1" DIA.	FOOT	383		383
81028340	UNDERGROUND CONDUIT, PVC, 1 1/2" DIA.	FOOT	882		882
81028360	UNDERGROUND CONDUIT, PVC, 2 1/2" DIA.	FOOT	368		368
81028370	UNDERGROUND CONDUIT, PVC, 3" DIA.	FOOT	115		115
81028390	UNDERGROUND CONDUIT, PVC, 4" DIA.	FOOT	8		8
81400100	HANDHOLE	EACH	7		7
81400300	DOUBLE HANDHOLE	EACH	1		1
85700200	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET	EACH	1		1
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	2882		2882
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	910		910
87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	4692		4692
87301815	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 3C	FOOT	70		70
87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	524		524
87502700	TRAFFIC SIGNAL POST ALUMINUM 16 FT	EACH	1		1
87700230	STEEL MAST ARM ASSEMBLY AND POLE, 38 FT.	EACH	1		1
87700270	STEEL MAST ARM ASSEMBLY AND POLE, 46 FT.	EACH	1		1
87700280	STEEL MAST ARM ASSEMBLY AND POLE, 48 FT.	EACH	1		1
87700300	STEEL MAST ARM ASSEMBLY AND POLE, 52 FT.	EACH	1		1
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	3		3
87800200	CONCRETE FOUNDATION, TYPE D	FOOT	3		3
87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	52		52
88040090	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	7		7
88040160	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	2		2
88040230	SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED	EACH	1		1
88040260	SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 1-3-SECTION, 1-5-SECTION, BRACKET MOUNTED	EACH	2		2
88040355	SIGNAL HEAD, POLYCARBONATE, LED, 3-FACE, 3-SECTION, BRACKET MOUNTED	EACH	1		1
88200100	TRAFFIC SIGNAL BACKPLATE	EACH	9		9
88500100	INDUCTIVE LOOP DETECTOR	EACH	19		19
88600100	DETECTOR LOOP, TYPE I	FOOT	6996		6996
X7010216	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	LUMP SUM	1	0.2	0.8
Z0013798	CONSTRUCTION LAYOUT	LUMP SUM	1	0.5	0.5

* SPECIALTY ITEMS



**DETAIL
DETECTOR LOOP LEAD-IN
WITH BITUMINOUS SHOULDER**



TRAFFIC AND STREET NAME SIGNS

(NOT TO SCALE)
 DETAIL A - 1 EACH REQUIRED, MAST ARM MOUNTED, SIGN PANEL-TYPE 2
 DETAIL B - 1 EACH REQUIRED, MAST ARM MOUNTED, SIGN PANEL-TYPE 2
 DETAIL C - 1 EACH REQUIRED, MAST ARM MOUNTED, SIGN PANEL-TYPE 2
 DETAIL D - 1 EACH REQUIRED, MAST ARM MOUNTED, SIGN PANEL-TYPE 2
 DETAIL E - 3 EACH REQUIRED, MAST ARM MOUNTED, SIGN PANEL-TYPE 1
 DETAIL F - 1 EACH REQUIRED, MAST ARM MOUNTED, SIGN PANEL-TYPE 1

STANDARD 720016
STYLE F

Weis Design Group
 1403 Nickell Dr
 Sauget, IL 62206
 (618) 874-0320
 phwa@phweis.com

16296 Westwoods
 Business Park Dr.
 Ellisville, Mo. 63021
 (636) 207-0832
 f. (636) 207-0328

Job No. 111-11
 Scale: SCALE
 Drawn by: A.J.T.
 Design by: E.F.
 Approved by: R.A.S.
 File Name: 111-11

ISSUE RECORD

6/19/12	1st Submittal
8/21/12	2nd Submittal
11/21/12	3rd Submittal
12/17/13	4th Submittal
1/03/14	5th Submittal

Corporate Engineering
 Certificate # 000387

CBB Crawford, Bunte, Brammeier
 Traffic and Transportation Engineers

St. Louis, Missouri / Glen Carbon, Illinois
 314-878-6644 618-656-2612
 Fax: 314-878-5876 E-Mail: cbb@cbbrtraffic.com

QUANTITIES

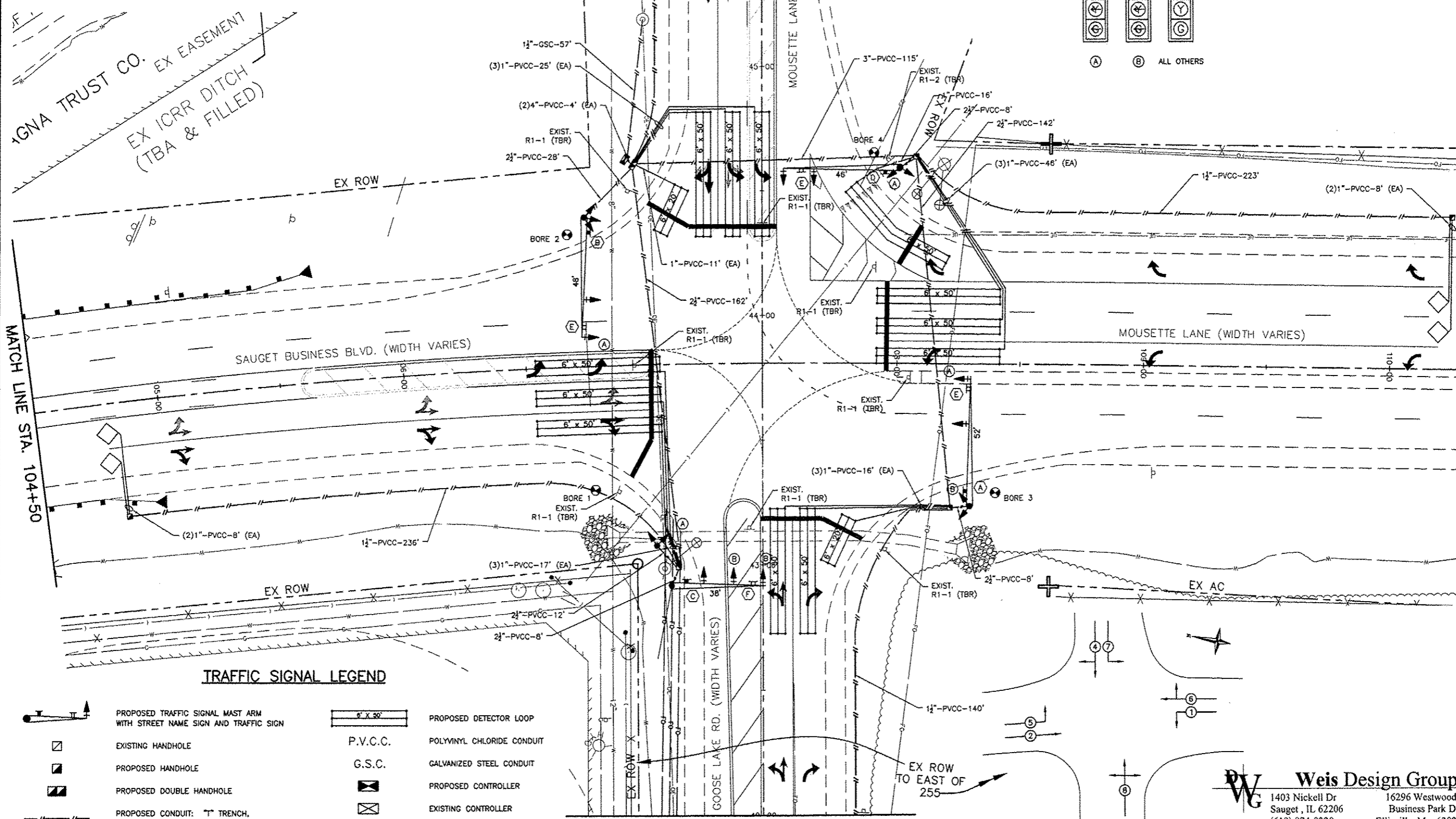
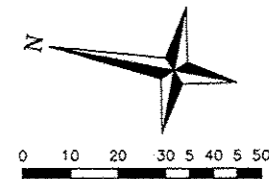
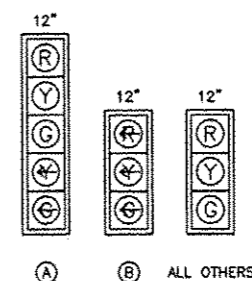
SAUGET SEC 11-00008-04-TL
 MOUSETTE LN & GOOSE
 LAKE RD/SAUGET BUSINESS BLVD
 SAUGET, ILLINOIS

CONTROLLER PHASING

PROPOSED								
PHASE Ø	1	2	3	4	5	6	7	8
MOVEMENT	NB LT	SB		WB	SB LT	NB	WB LT	EB
CONCURRENT MOVEMENT PERMITTED	5 or 6	5 or 6	NOT USED	7 or 8	1 or 2	1 or 2	4	4

MATCH LINE STA. 45+75

TRAFFIC SIGNAL FACES

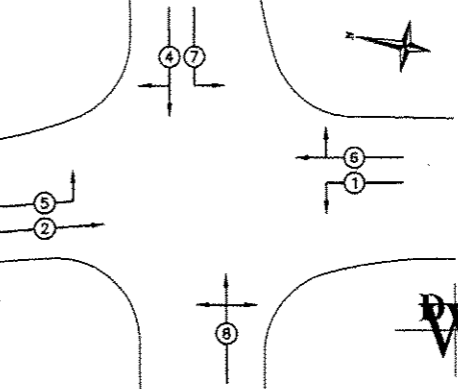


TRAFFIC SIGNAL LEGEND

- PROPOSED TRAFFIC SIGNAL MAST ARM WITH STREET NAME SIGN AND TRAFFIC SIGN
- EXISTING HANDHOLE
- PROPOSED HANDHOLE
- PROPOSED DOUBLE HANDHOLE
- PROPOSED CONDUIT: "T" TRENCH, "P" PUSHED, SIZE SPECIFIED
- EXISTING SERVICE INSTALLATION
- P.V.C.C.
- G.S.C.
- PROPOSED DETECTOR LOOP
- POLYVINYL CHLORIDE CONDUIT
- GALVANIZED STEEL CONDUIT
- PROPOSED CONTROLLER
- EXISTING CONTROLLER
- TRAFFIC SIGN
- STREET NAME SIGN

MATCH LINE STA. 42+00

PHASE DESIGNATION DIAGRAM



Job No. 111-11
Scale: SCALE
Drawn by: A.J.T.
Design by: E.F.
Approved by: R.A.S.
File Name: T8111-11

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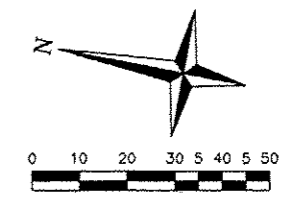
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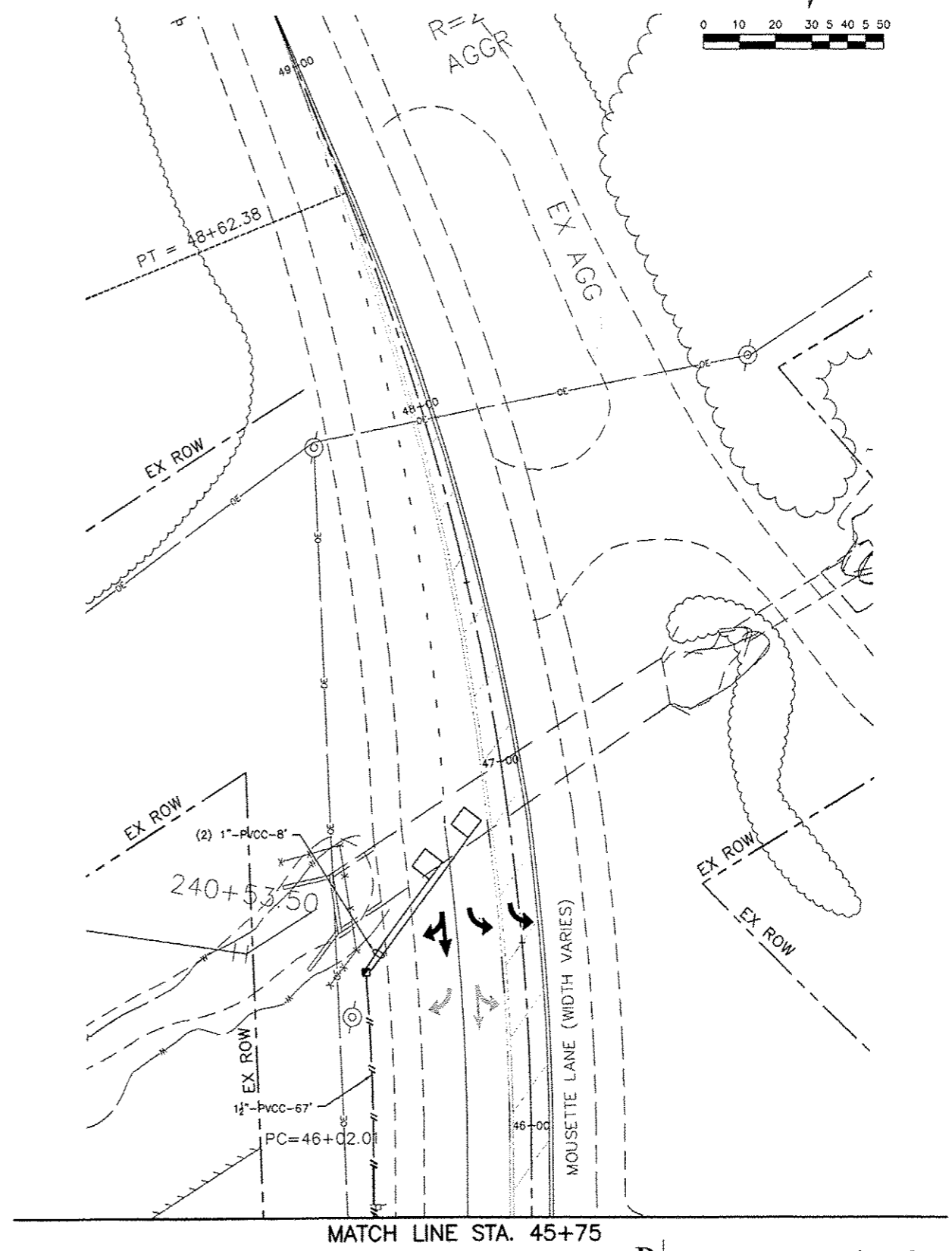
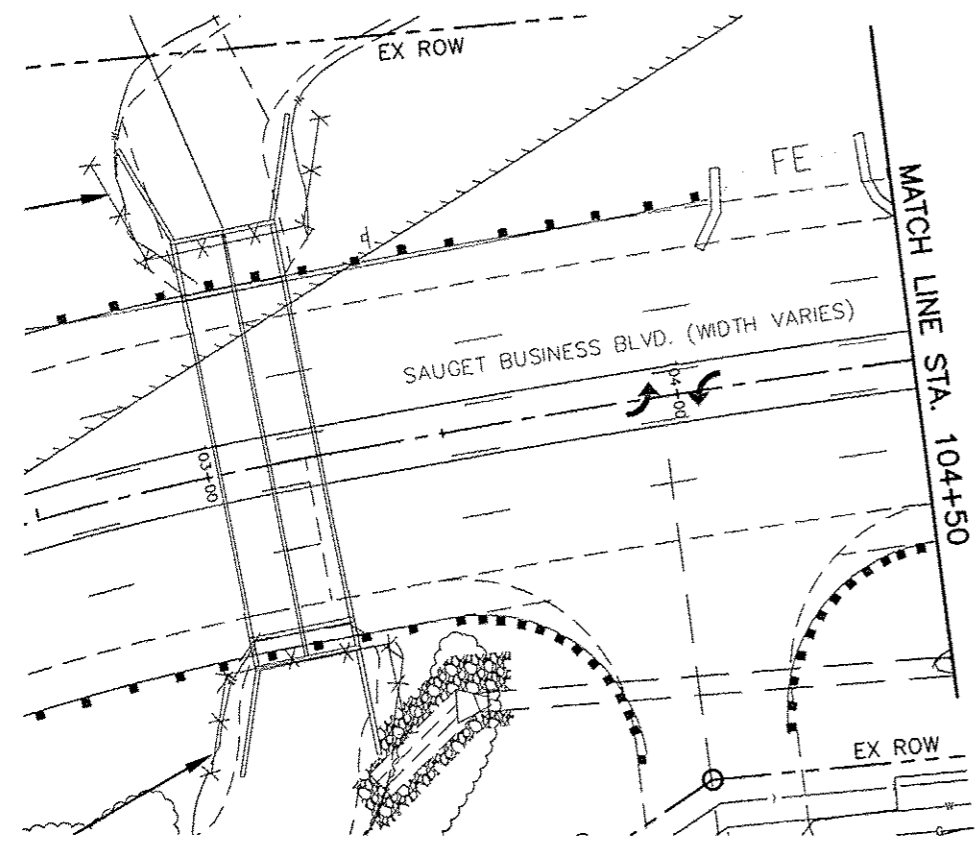
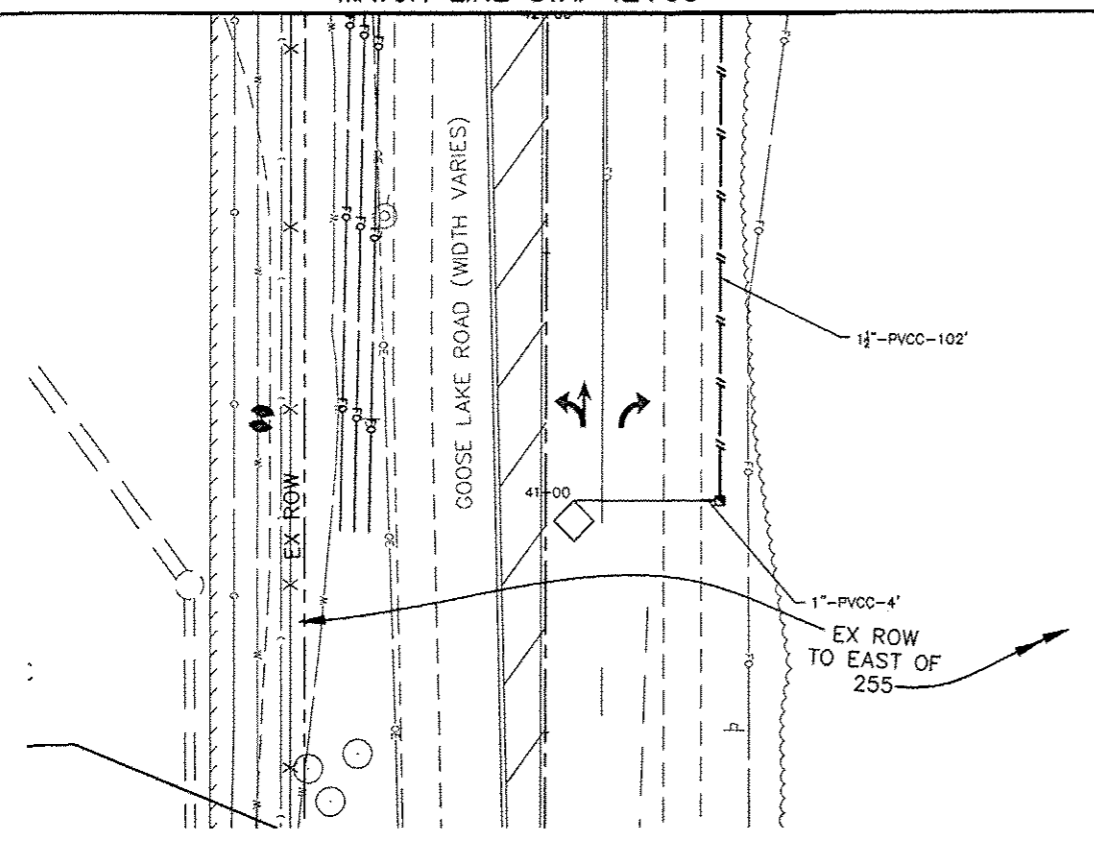
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MOUSETTE LN & GOOSE
LAKE RD/SAUGET BUSINESS BLVD
SAUGET, ILLINOIS

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File Name	TS111-11



MATCH LINE STA. 42+00



MATCH LINE STA. 45+75

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 Sauget, IL 62206
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TRAFFIC SIGNAL PLAN
 SAUGET SEC 11-00009-04-TL
 MOUSEETTE LN & GOOSE
 LAKE RD/SAUGET BUSINESS BLVD
 SAUGET, ILLINOIS

ELECTRICAL GENERAL NOTES:

1. ALL VEHICLE SIGNAL HEADS SHALL BE POLYCARBONATE AND HAVE 12 INCH L.E.D. INDICATIONS. ALL MOUNTING HARDWARE SHALL BE UNPAINTED ALUMINUM. THE CONTROLLER CABINET SHALL BE UNPAINTED ALUMINUM. ALL BOLTS, SCREWS, NUTS AND WASHERS SHALL BE STAINLESS STEEL. ANTI-SIEZE PASTE COMPOUND SHALL BE USED ON ALL MOUNTING HARDWARE FIELD CONNECTIONS.

2. BACKPLATES SHALL BE ABS PLASTIC.

3. THE LOCATION OF MAST ARM SUPPORTS SHALL BE APPROVED BY THE ENGINEER BEFORE FOUNDATIONS ARE CONSTRUCTED. MAST ARM POLES SHALL BE LOCATED A MINIMUM OF 10 FEET FROM THE EDGE OF PAVEMENT OR 2 FEET FROM THE EDGE OF SHOULDER, WHICHEVER DISTANCE IS GREATER. IN CURBED SECTIONS, THE MAST ARM POLE SHALL BE LOCATED A MINIMUM OF 5 FEET FROM THE FACE OF CURB. THESE DISTANCES ARE TO THE NEAR FACE OF THE MAST ARM POLES. ALL MAST ARMS AND POLES SHALL BE GALVANIZED.

4. DEPTHS OF CONCRETE FOUNDATIONS FOR MAST ARM SUPPORTS (DETERMINED BY TABLE ON STANDARD 878001) ARE:

- N.E. CORNER - 13.0 FT. (36" DIA.)
- N.W. CORNER - 11.0 FT. (36" DIA.)
- S.E. CORNER - 13.0 FT. (36" DIA.)
- S.W. CORNER - 15.0 FT. (36" DIA.)

5. ALL TRAFFIC SIGNAL CABLES SHALL BE #14 AWG STRANDED COPPER, UNLESS OTHERWISE SPECIFIED. FIELD WIRES SHALL BE LANDED AT CONTROLLER OUTPUT TERMINALS USING IDOT APPROVED SOLDERLESS CONNECTORS.

6. THE LOCATION OF ALL DETECTOR LOOPS SHALL BE APPROVED BY THE ENGINEER BEFORE ANY SLOTS ARE SAWED IN THE PAVEMENT.

7. DETECTOR LOOP LEAD-IN SPLICES SHALL BE MADE IN A HANDHOLE PER ARTICLE 873.03 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STANDARD DRAWING 886001. CONDUCTORS SHALL BE SPLICED IN A RIGID MOLD. ROSIN-CORE SOLDER SHALL BE USED.

8. CALL DELAY SHALL NOT FUNCTION WHEN THE RELATED PHASES ARE IN THE GREEN MODE.

9. ALL HANDHOLES SHALL BE CAST-IN-PLACE PORTLAND CEMENT CONCRETE (PER ARTICLE 814.03(o)). THE CAST IN PLACE LEGEND IN THE COVER SHALL BE "TRAFFIC SIGNALS". SLOPE HANDHOLE COVERS TO MATCH PROPOSED GRADE ELEVATIONS.

10. ALL INDUCTIVE LOOP DETECTORS SUPPLIED FOR THIS PROJECT SHALL HAVE THE CAPACITY OF OPERATING WITH BOTH DELAY AND EXTENSION MODES ACTIVE, IF A TIME SETTING IS PROGRAMMED. THEY SHALL BE RACK MOUNTED.

11. ANCHOR BOLTS, NUTS, AND WASHERS REQUIRED WITH TYPE D FOUNDATION SHALL BE INCLUDED IN THE PAY ITEM "FULL-ACTUATED CONTROLLER AND TYPE IV CABINET."

12. THE CONTRACTOR SHALL INSTALL FOUR (4) GROUND RODS (3/4" X 12 FT. LONG) AND #6 AWG BARE COPPER GROUND CONDUCTORS IN THE CONTROLLER FOUNDATION AS PER THE SPECIAL PROVISION, "CONCRETE FOUNDATION, TYPE D (SPECIAL)"

13. A 1/4" NYLON PULL ROPE SHALL BE FURNISHED AND INSTALLED IN ALL SIGNAL CONDUITS, THIS WORK SHALL BE INCLUDED WITH THE CONDUIT PAY ITEMS.

**DETECTOR LOOP REQUIREMENTS & CALCULATIONS
MOUSETTE LN & GOOSE LAKE RD/SAUGET BUSINESS BLVD**

LOOP	PHASE	LOOP SIZE (FEET)	REQUIRED NO. OF TURNS	CALCULATED INDUCTANCE (microhenries) μH	CALCULATED RESISTANCE (ohms) Ω
SB THRU/RT	2	6' x 50'	3-6-3	839.7	2.81
SB THRU	2	6' x 50'	3-6-3	842.5	2.88
SB LT	5	6' x 50'	3-6-3	845.4	2.94
SB CCO 1	2	6' x 6'	6	353.0	2.66
SB CCO 2	2	6' x 6'	6	355.6	2.72
EB RT 1	8	6' x 50'	3-6-3	861.9	3.32
EB RT 2	8	6' x 20'	3-6-3	402.0	2.19
EB THRU/LT	8	6' x 50'	3-6-3	864.8	3.38
EB CCO 1	8	6' x 6'	6	375.9	3.18
NB RT	6	6' x 50'	3-6-3	823.0	2.43
NB THRU 1	6	6' x 50'	3-6-3	831.1	2.62
NB THRU 2	6	6' x 50'	3-6-3	834.0	2.68
NB LT	1	6' x 50'	3-6-3	839.0	2.80
NB CCO 1	6	6' x 6'	6	332.1	2.18
NB CCO 2	6	6' x 6'	6	334.7	2.24
WB THRU/RT 1	4	6' x 50'	3-6-3	798.8	1.88
WB THRU/RT 2	4	6' x 20'	3-6-3	342.6	0.84
WB LT 1	7	6' x 50'	3-6-3	801.6	1.95
WB LT 2	7	6' x 50'	3-6-3	804.5	2.01
WB CCO	4	6' x 6'	6	303.7	1.54
WB CCO	4	6' x 6'	6	306.3	1.60

GENERAL NOTES:

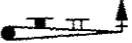




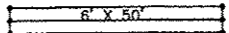
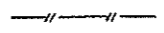





1. ALL UTILITIES SHALL BE LOCATED IN THE FIELD PRIOR TO ANY ATTEMPT TO CONSTRUCT ANY COMPONENT OF THE VARIOUS TRAFFIC SIGNAL INSTALLATION. AGENCIES KNOWN TO HAVE UNDERGROUND FACILITIES WITHIN THE LIMITS OF THIS IMPROVEMENT ARE THE FOLLOWING: (MEMBER OF J.U.L.I.E. PHONE (800) 892-0123 ARE INDICATED BY *(CALL ONE WEEK BEFORE YOU PLAN TO DIG).

- *WATER - COMMONFIELDS OF CAHOKIA PUBLIC WATER DISTRICT (618) 337-3302
- *TELEPHONE - AT&T, CATHY MILLER, DESIGN ENGINEER (618) 346-7268
- *ELECTRIC - AMEREN UE IL COMMUNICATION JOE ROBERTSON, DISTRICT ENGINEER (618) 482-2238
- *GAS - AMEREN IP (GAS) KELLY BAUZA (618) 236-4309
- *SANITARY SEWER - VILLAGE OF SAUGET MIKE WILLIAMS, PUBLIC WORKS DIRECTOR (618) 337-4683

2. THE CONTRACTOR SHALL FABRICATE, DELIVER AND INSTALL 4 STREET NAME SIGNS AT THE SPECIFIED LOCATIONS. THE SIGNS AND INSTALLATION SHALL CONFORM TO SECTION 720 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STANDARDS 720001 AND 720016. THE CONTRACTOR SHALL INSTALL THE STREET NAME SIGNS ON THE MAST ARM AS SHOWN ON THE PLANS.

3. ANY REMOVED SIGN TO BE RETURNED TO THE VILLAGE OF SAUGET FOR FUTURE USE. CLASS D PATCHES TO BE APPLIED WHERE PAVEMENT DAMAGE OCCURS DUE TO SIGN POST REMOVAL.

TRAFFIC SIGNAL LEGEND

-  PROPOSED TRAFFIC SIGNAL MAST ARM W/STREET NAME SIGN & TRAFFIC SIGNAL SIGN
-  PROPOSED SIGNAL HEAD
-  PROPOSED SIGNAL HEAD W/BACKPLATE
-  PROPOSED HANDHOLE
-  PROPOSED DOUBLE HANDHOLE
-  PROPOSED DETECTOR LOOP
-  PROPOSED CONDUIT: 'T' TRENCH, 'P' PUSHED, SIZE SPECIFIED
-  GALVANIZED STEEL CONDUIT
-  POLYVINYL CHLORIDE CONDUIT
-  STREET NAME SIGN ON MAST ARM
-  TRAFFIC SIGN ON MAST ARM
-  STREET NAME OR TRAFFIC SIGN

STANDARDS

- 000001-06
- 442201-03
- 701101-04
- 701701-04
- 701901-03
- 720001-01
- 720016-03
- 780001-04
- 805001-01
- 814001-02
- 814006-02
- 857001-01
- 873001-02
- 877001-05
- 878001-09
- 880006-01
- 886001-01
- 886006-01

Job No. 111-11
Scale: SCALE
Drawn by: A.J.T.
Design by: E.F.
Approved by: R.A.S.
File Name: TS111-11

ISSUE RECORD	1st Submittal	2nd Submittal	3rd Submittal	5th Submittal
	6/19/12	8/31/12	11/21/12	12/10/12
			7/18/13	

Corporate Engineering Certificate # 000381

CBB Crawford Bunte, Brammeier
Traffic and Transportation Engineers
St. Louis, Missouri/Glen Carbon, Illinois
314-878-6644 618-656-2612
Fax: 314-878-5876 E-Mail: cbb@cbbrtraffic.com

ELECTRICAL AND GENERAL NOTES
SAUGET SEC 11 - 00009-04 - TL
MOUSETTE LN & GOOSE LAKE RD/SAUGET BUSINESS BLVD
SAUGET, ILLINOIS

WD Weis Design Group
1403 Nickell Dr Saugel, IL 62206 (618) 874-0320 phwa@phweis.com
16296 Westwoods Business Park Dr. Ellisville, Mo. 63021 (636) 207-0832 f. (636) 207-0328



CONTRACT NO. 97506

SHEET NO.

6 of 8

Job No. 111-11
 Scale: SCALE
 Drawn by: A.J.T.
 Design by: E.F.
 Approved by: R.A.S.
 File Name: 7811-11

ISSUE RECORD

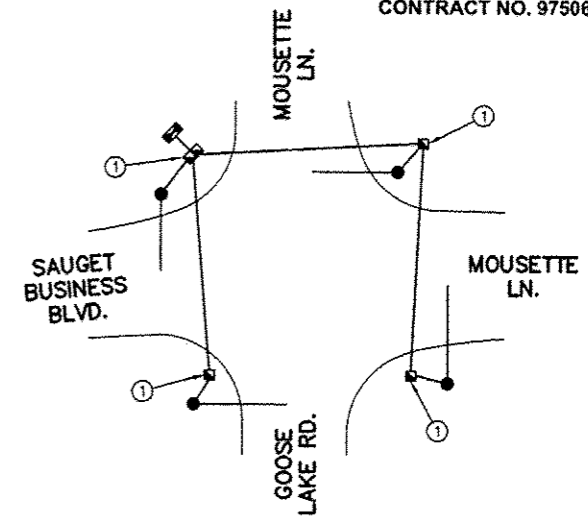
6/19/12	1st Submittal
8/31/12	2nd Submittal
11/21/12	3rd Submittal
12/10/12	4th Submittal
7/19/13	5th Submittal

Corporate Engineering
 Certificate # 000387

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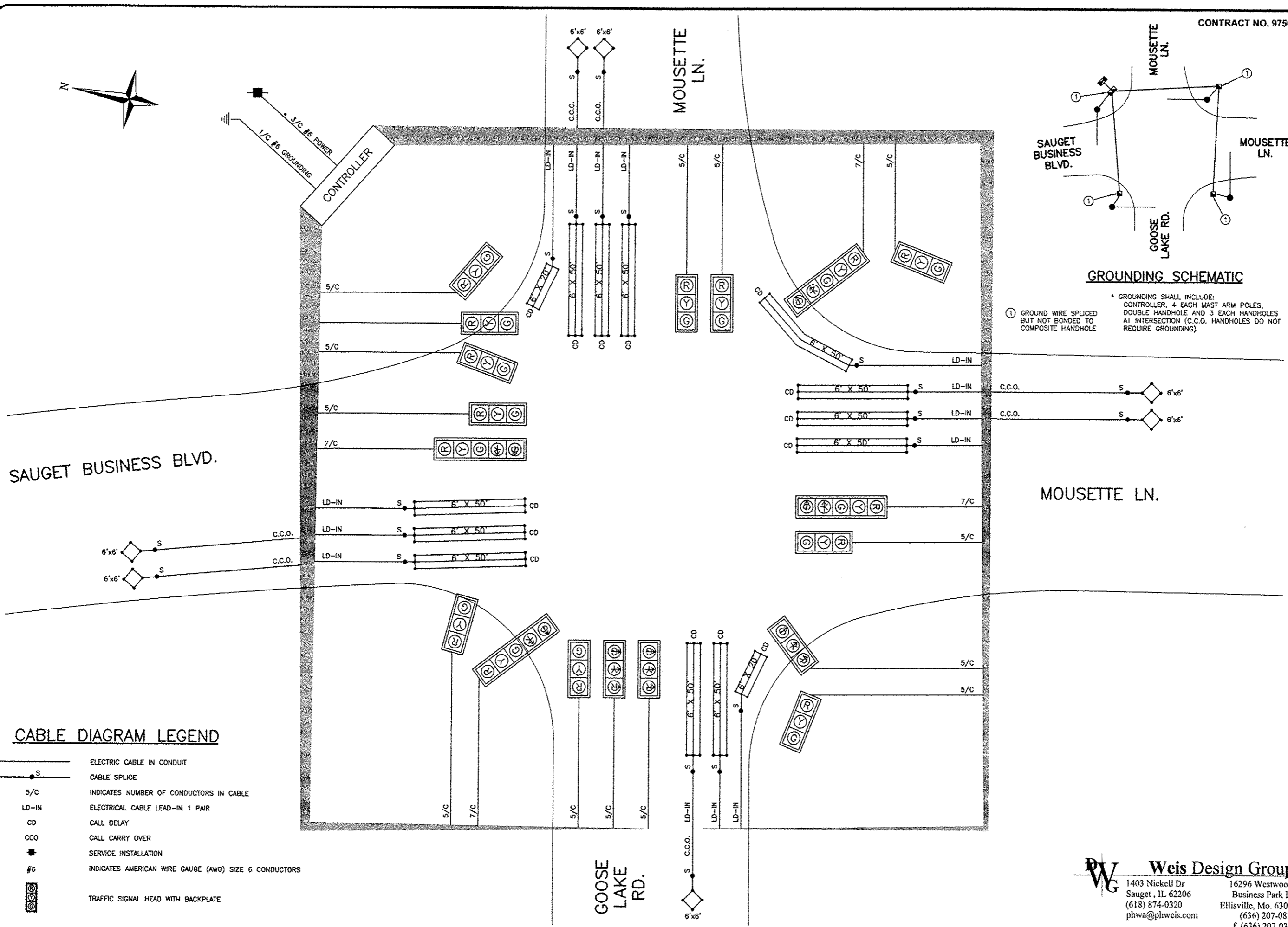
CABLE DIAGRAM

SAUGET SEC 11-00009-04-TL
 MOUSETTE LN & GOOSE
 LAKE RD/SAUGET BUSINESS BLVD
 SAUGET, ILLINOIS



GROUNDING SCHEMATIC

① GROUND WIRE SPLICED BUT NOT BONDED TO COMPOSITE HANDHOLE
 * GROUNDING SHALL INCLUDE: CONTROLLER, 4 EACH MAST ARM POLES, DOUBLE HANDHOLE AND 3 EACH HANDHOLES AT INTERSECTION (C.C.O. HANDHOLES DO NOT REQUIRE GROUNDING)



CABLE DIAGRAM LEGEND

- ELECTRIC CABLE IN CONDUIT
- CABLE SPLICE
- 5/C INDICATES NUMBER OF CONDUCTORS IN CABLE
- LD-IN ELECTRICAL CABLE LEAD-IN 1 PAIR
- CD CALL DELAY
- CCO CALL CARRY OVER
- SERVICE INSTALLATION
- #6 INDICATES AMERICAN WIRE GAUGE (AWG) SIZE 6 CONDUCTORS
- TRAFFIC SIGNAL HEAD WITH BACKPLATE

WDG Weis Design Group
 1403 Nickell Dr 16296 Westwoods
 Sauget, IL 62206 Business Park Dr.
 (618) 874-0320 Ellisville, Mo. 63021
 phwa@phweis.com (636) 207-0832
 f. (636) 207-0328

PAVEMENT MARKING LEGEND
 D.S.Y.L. - DOUBLE SOLID YELLOW LINE
 S.Y.L. - SOLID YELLOW LINE
 S.W.L. - SOLID WHITE LINE
 I.Y.L. - INTERMITTENT YELLOW LINE (10' STRIPE, 30' GAP)
 I.W.L. - INTERMITTENT WHITE LINE (10' STRIPE, 30' GAP)
 A.W.S.D. - ABBREVIATED WHITE SKIP DASH (2' STRIPE, 6' GAP)

SAUGET BUSINESS BLVD - PAVEMENT MARKING REMOVAL SCHEDULE

STA	STA	4" DSYL (SQ FT)	12" SYL (HATCH) (SQ FT)	L&S (SQ FT)
106+65	106+94	111.4	128.0	28.0
106+05				28.0
106+05				28.0
106+90				28.0
SUB-TOTAL =		111.4	128.0	78.0

SAUGET BUSINESS BLVD - PAVEMENT MARKING SCHEDULE

STA	STA	4" SWL (FT)	4" DSYL (FT)	24" SWL (STOPBAR) (FT)	L&S (SQ FT)
106+25	106+94	69	12	12	31.2
106+94	107+00	76	12	12	31.2
SUB-TOTAL =		145	24	24	62.4

CONTRACT NO. 97506

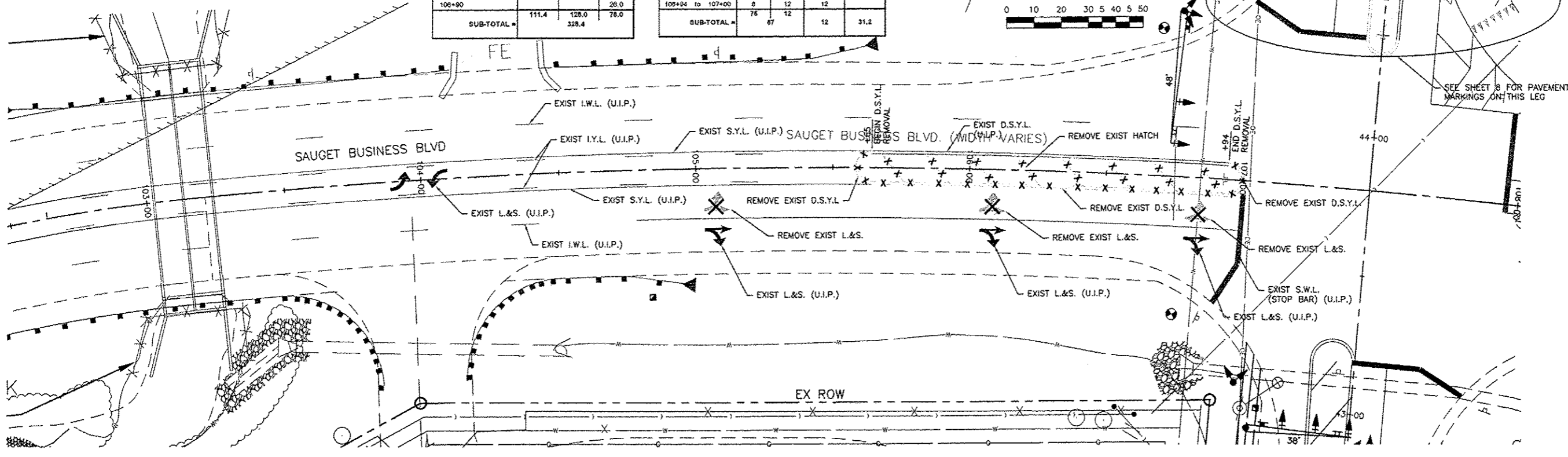
SHEET NO.
7 of 8

Job No. 111-11
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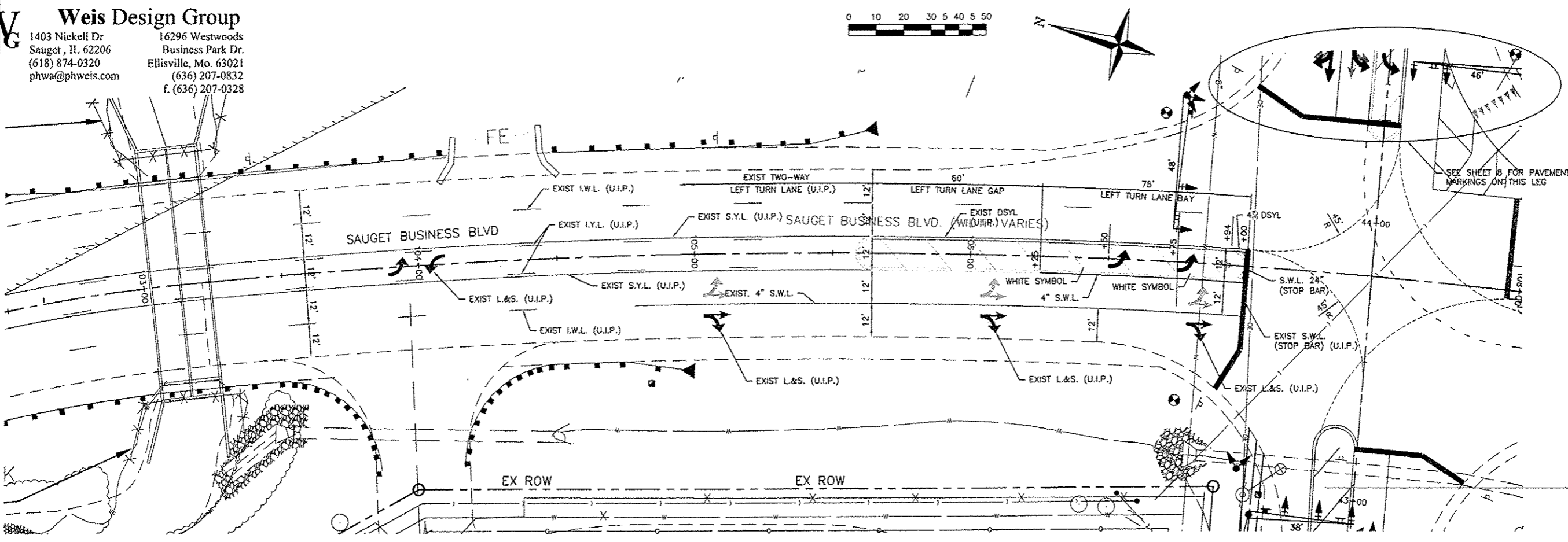
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Corporate Encouraging Certificate # 000381



Weis Design Group
 1403 Nickell Dr
 Sauget, IL 62206
 (618) 874-0320
 phwa@phweis.com

16296 Westwoods
 Business Park Dr.
 Ellisville, Mo. 63021
 (636) 207-0832
 f. (636) 207-0328

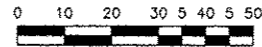


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PAVEMENT MARKING REMOVAL PLAN
 SAUGET SEC 11-00009-04-TL
 MOUSETTE LN & GOOSE
 LAKE RD/SAUGET BUSINESS BLVD
 SAUGET, ILLINOIS

PAVEMENT MARKING LEGEND

- D.S.Y.L. - DOUBLE SOLID YELLOW LINE
- S.Y.L. - SOLID YELLOW LINE
- S.W.L. - SOLID WHITE LINE
- I.Y.L. - INTERMITTENT YELLOW LINE (10' STRIPE, 30' GAP)
- I.W.L. - INTERMITTENT WHITE LINE (10' STRIPE, 30' GAP)
- A.W.S.D. - ABBREVIATED WHITE SKIP DASH (2' STRIPE, 6' GAP)



MOUSETTE LANE - PAVEMENT MARKING REMOVAL SCHEDULE

STA	STA	4" DSYL (SQ FT)	12" SYL (HATCH) (SQ FT)	L&S (SQ FT)
44+30	46+80	314.7	270.7	26.0
44+30	44+30			26.0
45+25	45+25			26.0
45+25	45+25			26.0
SUB-TOTAL =		314.7	270.7	78.0
			679.4	

MOUSETTE LANE - PAVEMENT MARKING SCHEDULE

STA	STA	4" IWL (FT)	4" AWSD (STOP BAR) (FT)	24" SWL (STOP BAR) (FT)	L&S (SQ FT)
44+30	46+80	63	26	12	128.1
44+30	44+30				26.0
45+25	45+25				26.0
SUB-TOTAL =		63	26	12	128.1



Weis Design Group

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CONTRACT NO. 97506

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SHEET NO.

8 of 8

Job No. 111-11

Scale: SCALE

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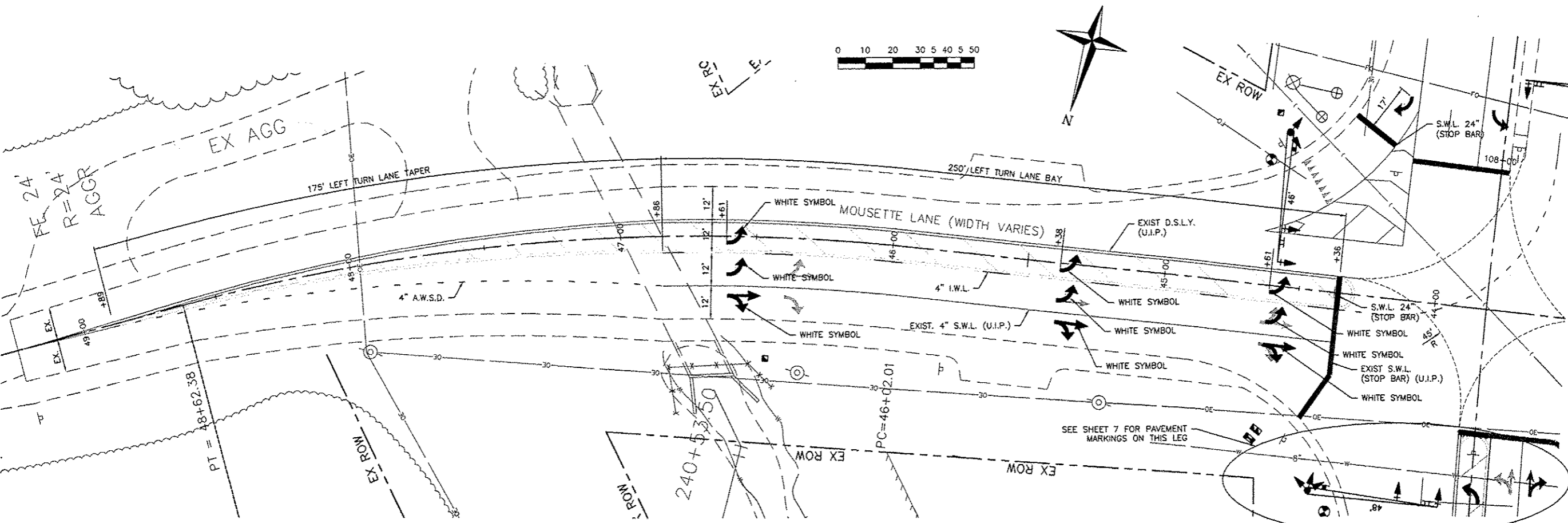
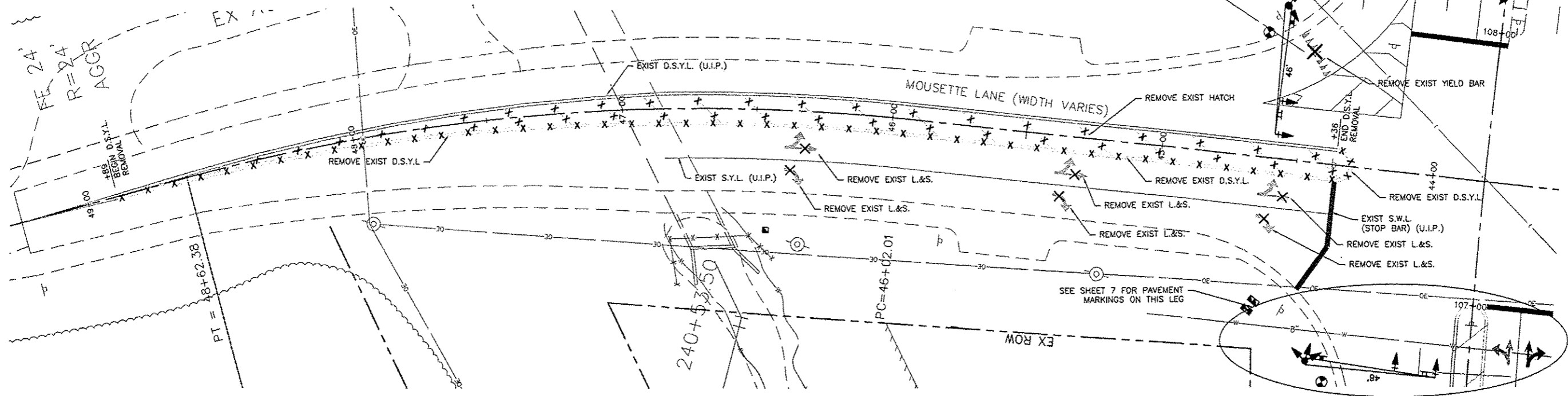
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PAVEMENT MARKING REMOVAL PLAN
SAUGET SEC 11-00009-04-TL
MOUSETTE LN & GOOSE LAKE RD/SAUGET BUSINESS BLVD
SAUGET, ILLINOIS