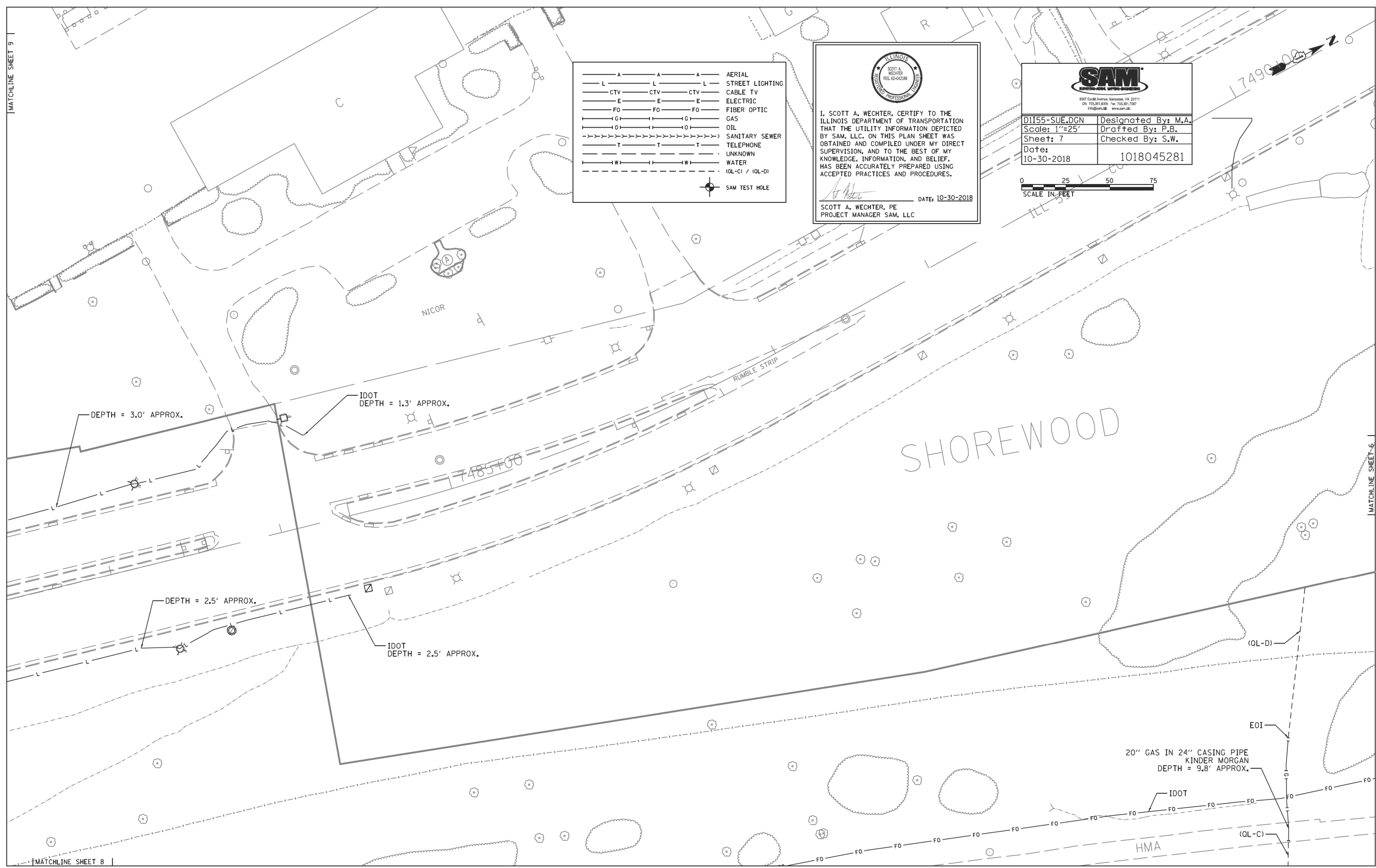




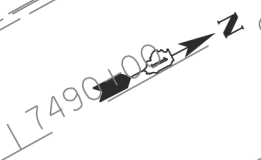
MATCHLINE SHEET 9



A	A	A	AERIAL
L	L	L	STREET LIGHTING
CTV	CTV	CTV	CABLE TV
E	E	E	ELECTRIC
FO	FO	FO	FIBER OPTIC
G	G	G	GAS
O	O	O	OIL
SS	SS	SS	SANITARY SEWER
T	T	T	TELEPHONE
U	U	U	UNKNOWN
W	W	W	WATER
(OL-C)	(OL-C)	(OL-D)	(OL-C) / (OL-D)
			SAM TEST HOLE


 I, SCOTT A. WECHTER, CERTIFY TO THE ILLINOIS DEPARTMENT OF TRANSPORTATION THAT THE UTILITY INFORMATION DEPICTED BY SAM, LLC, ON THIS PLAN SHEET WAS OBTAINED AND COMPILED UNDER MY DIRECT SUPERVISION, AND TO THE BEST OF MY KNOWLEDGE, INFORMATION, AND BELIEF, HAS BEEN ACCURATELY PREPARED USING ACCEPTED PRACTICES AND PROCEDURES.
 DATE: 10-30-2018
 SCOTT A. WECHTER, PE
 PROJECT MANAGER SAM, LLC

	
8397 South Avenue, Nashville, TN 37211 615.703.3618 FAX 615.703.3617 info@sam.llc www.sam.llc	
D1155-SUE.DGN	Designated By: M.A.
Scale: 1"=25'	Drafted By: P.B.
Sheet: 7	Checked By: S.W.
Date: 10-30-2018	1018045281



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USER NAME = jworthington	DESIGNED -	REVISED -
PLOT SCALE = 24.0000' / ft.	DRAWN -	REVISED -
PLOT DATE = 8/17/2020	CHECKED -	REVISED -
	DATE = 08/18/2020	REVISED -

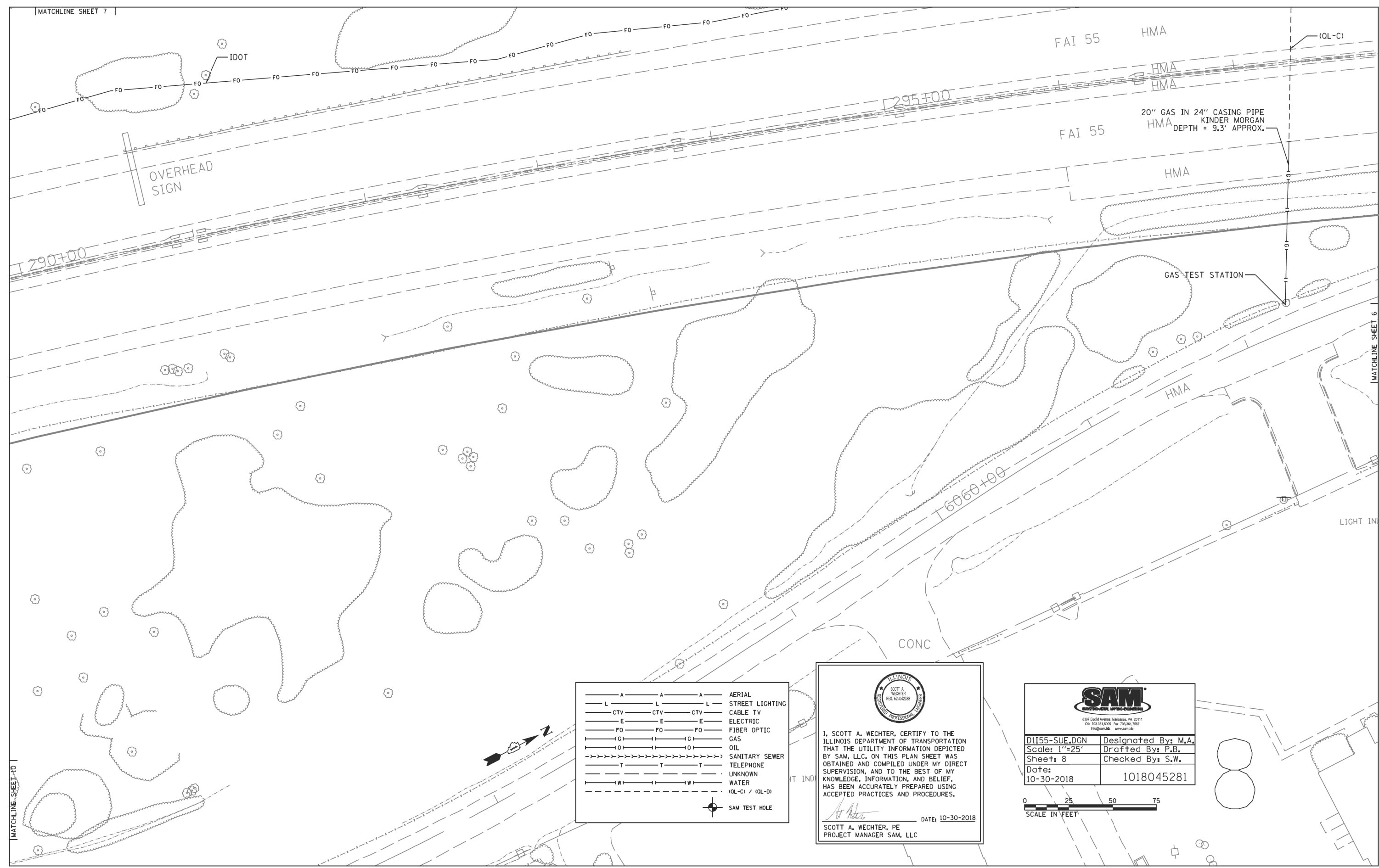
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUE INVESTIGATION OF UNDERGROUND UTILITIES


SCALE: SHEET OF SHEETS STA. TO STA.


F.A./P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
=	2020-192-B	WILL	299	101
CONTRACT NO. 62M63				

* FAI 55, FAP 338 ILLINOIS FED. AID PROJECT



— A — A — A	AERIAL
— L — L — L	STREET LIGHTING
— CTV — CTV — CTV	CABLE TV
— E — E — E	ELECTRIC
— FO — FO — FO	FIBER OPTIC
— G — G — G	GAS
— O — O — O	OIL
— S — S — S	SANITARY SEWER
— T — T — T	TELEPHONE
— U — U — U	UNKNOWN
— W — W — W	WATER
— (OL-C) / (OL-D)	(OL-C) / (OL-D)
— SAM TEST HOLE	SAM TEST HOLE


 I, SCOTT A. WECHTER, CERTIFY TO THE ILLINOIS DEPARTMENT OF TRANSPORTATION THAT THE UTILITY INFORMATION DEPICTED BY SAM, LLC. ON THIS PLAN SHEET WAS OBTAINED AND COMPILED UNDER MY DIRECT SUPERVISION, AND TO THE BEST OF MY KNOWLEDGE, INFORMATION, AND BELIEF, HAS BEEN ACCURATELY PREPARED USING ACCEPTED PRACTICES AND PROCEDURES.
 DATE: 10-30-2018
 SCOTT A. WECHTER, PE
 PROJECT MANAGER SAM, LLC


 897 East Avenue, Harrison, VA 20111
 (703) 361-8000 Fax (703) 361-7887
 Program: www.sam.biz

D1155-SUE.DGN	Designated By: M.A.
Scale: 1"=25'	Drafted By: P.B.
Sheet: 8	Checked By: S.W.
Date: 10-30-2018	1018045281



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 63907

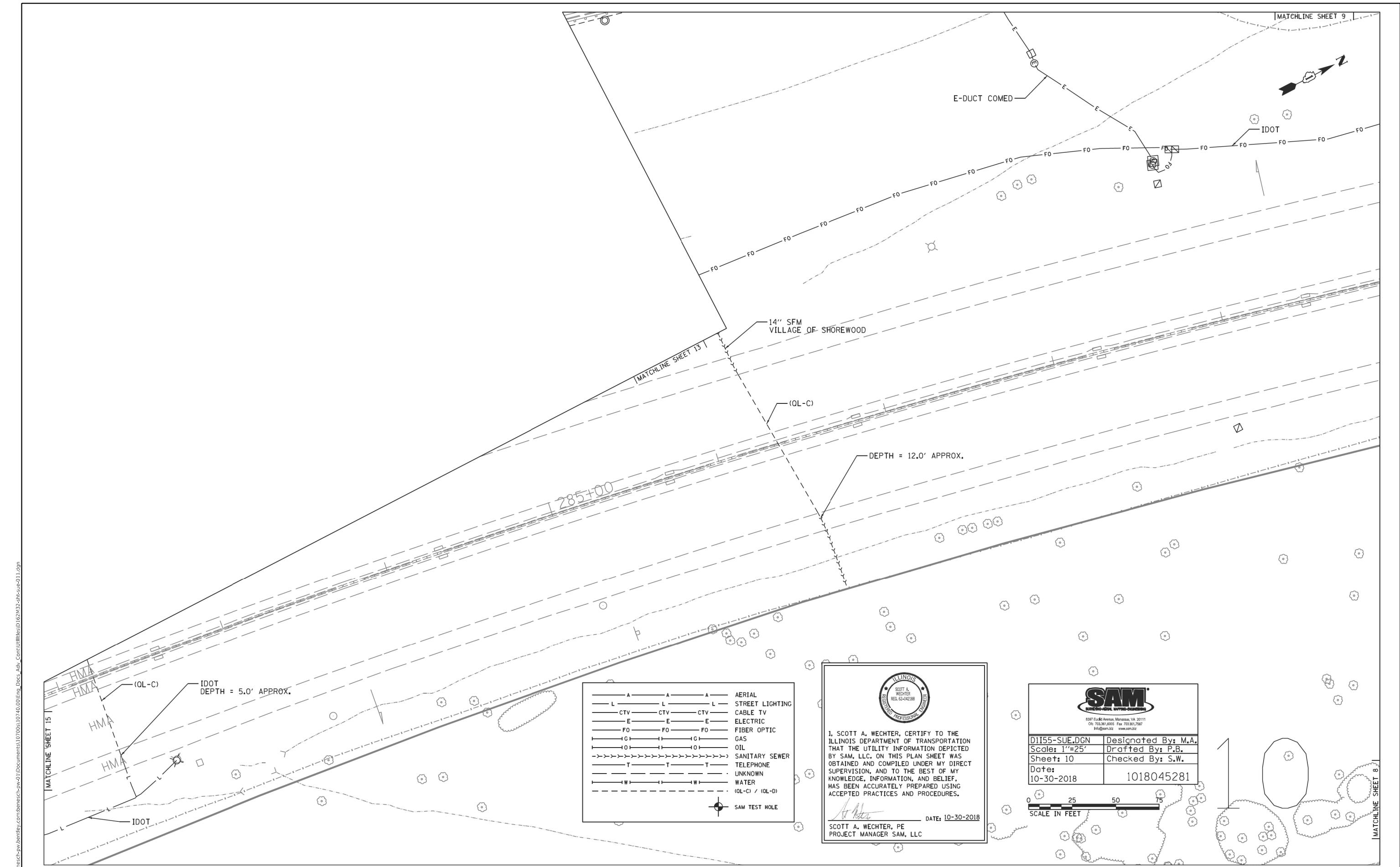
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PLOT SCALE = 24,0000' / ft.	DRAWN -	REVISED -
PLOT DATE = 8/17/2020	CHECKED -	REVISED -
	DATE = 08/18/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION


SUE INVESTIGATION OF UNDERGROUND UTILITIES	
SCALE:	SHEET OF SHEETS STA. TO STA.


F.A./P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2020-192-B	WILL	299	102
CONTRACT NO. 62M63				

* FAI 55, FAP 338 ILLINOIS FED. AID PROJECT



- | | | | | |
|------------|--------|--------|--------|-----------------|
| — A — | A | A | A | AERIAL |
| — L — | L | L | L | STREET LIGHTING |
| — CTV — | CTV | CTV | CTV | CABLE TV |
| — E — | E | E | E | ELECTRIC |
| — FO — | FO | FO | FO | FIBER OPTIC |
| — G — | G | G | G | GAS |
| — O — | O | O | O | OIL |
| —>>>> | | | | SANITARY SEWER |
| — T — | T | T | T | TELEPHONE |
| — U — | U | U | U | UNKNOWN |
| — W — | W | W | W | WATER |
| — (OL-C) — | (OL-C) | (OL-D) | (OL-D) | (OL-C) / (OL-D) |
- ⊙ SAM TEST HOLE


 I, SCOTT A. WECHTER, CERTIFY TO THE ILLINOIS DEPARTMENT OF TRANSPORTATION THAT THE UTILITY INFORMATION DEPICTED BY SAM, LLC. ON THIS PLAN SHEET WAS OBTAINED AND COMPILED UNDER MY DIRECT SUPERVISION, AND TO THE BEST OF MY KNOWLEDGE, INFORMATION, AND BELIEF, HAS BEEN ACCURATELY PREPARED USING ACCEPTED PRACTICES AND PROCEDURES.
 DATE: 10-30-2018
 SCOTT A. WECHTER, PE
 PROJECT MANAGER SAM, LLC


 6377 Euclid Avenue, Manassas, VA 20111
 (703) 361-7000 Fax (703) 361-7007
 info@sam32.com www.sam32.com

D1155-SUE.DGN	Designated By: M.A.
Scale: 1"=25'	Drafted By: P.B.
Sheet: 10	Checked By: S.W.
Date: 10-30-2018	1018045281

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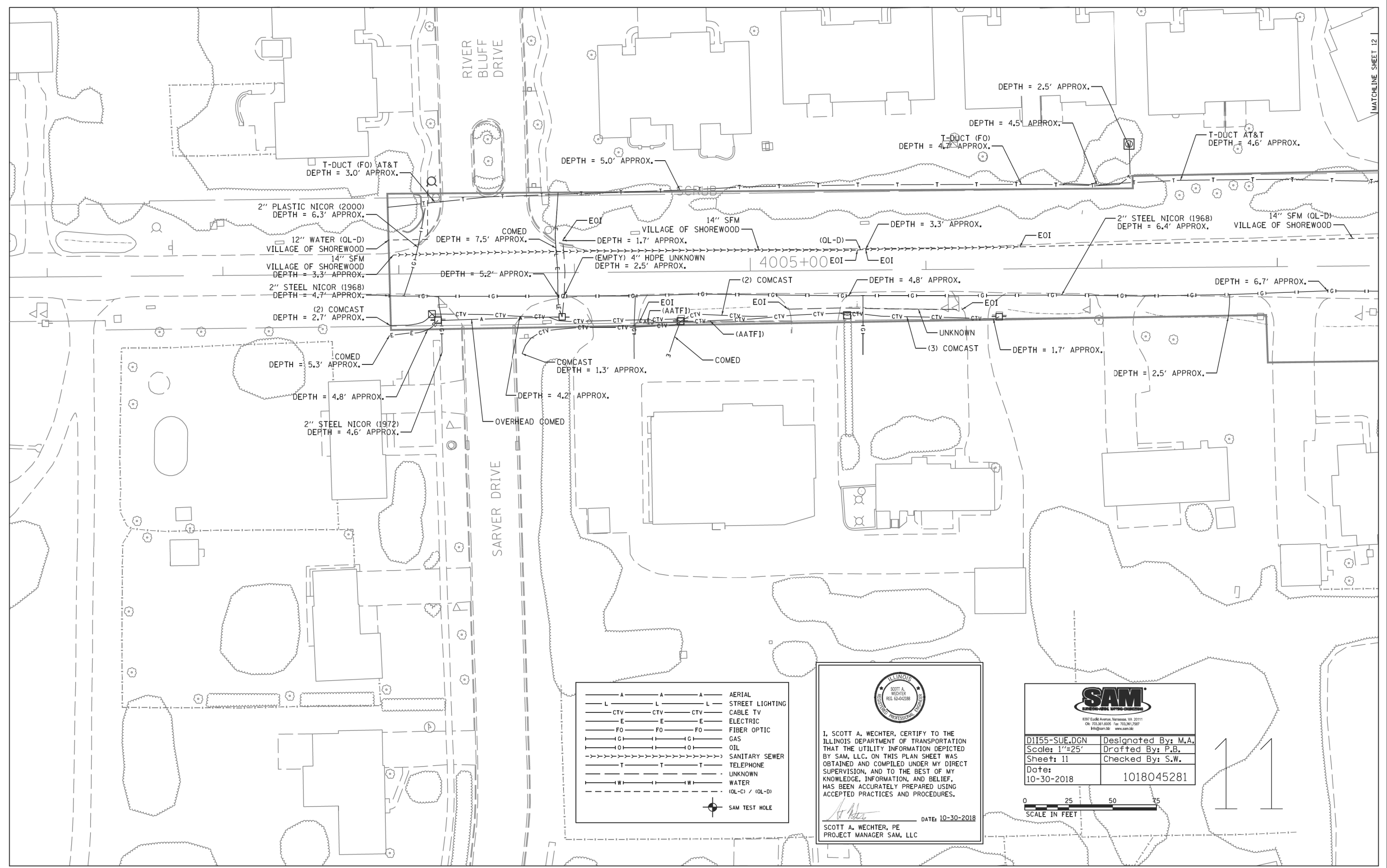
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PLOT SCALE = 24.0000 "/td> <td>DRAWN -</td> <td>REVISED -</td>	DRAWN -	REVISED -
PLOT DATE = 8/17/2020	CHECKED -	REVISED -
	DATE - 08/18/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUE INVESTIGATION OF UNDERGROUND UTILITIES

SCALE: SHEET OF SHEETS STA. TO STA.

F.A./P.RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-	2020-192-B	WILL	299	104
CONTRACT NO. 62M63				
* FAI 55, FAP 338 ILLINOIS FED. AID PROJECT				



— A — A — A	AERIAL
— L — L — L	STREET LIGHTING
— CTV — CTV — CTV	CABLE TV
— E — E — E	ELECTRIC
— FO — FO — FO	FIBER OPTIC
— G — G — G	GAS
— O — O — O	OIL
— S — S — S	SANITARY SEWER
— T — T — T	TELEPHONE
— U — U — U	UNKNOWN
— W — W — W	WATER
— (OL-C) / (OL-D)	
— SAM TEST HOLE	

ILLINOIS
 SCOTT A. WECHTER
 REG. 04-42388
 PROFESSIONAL ENGINEER

I, SCOTT A. WECHTER, CERTIFY TO THE ILLINOIS DEPARTMENT OF TRANSPORTATION THAT THE UTILITY INFORMATION DEPICTED BY SAM, LLC. ON THIS PLAN SHEET WAS OBTAINED AND COMPILED UNDER MY DIRECT SUPERVISION, AND TO THE BEST OF MY KNOWLEDGE, INFORMATION, AND BELIEF, HAS BEEN ACCURATELY PREPARED USING ACCEPTED PRACTICES AND PROCEDURES.

DATE: 10-30-2018
 SCOTT A. WECHTER, PE
 PROJECT MANAGER SAM, LLC

SAM
 SURVEYING • MAPPING • ENGINEERING

8397 Eastline Avenue, Jameson, VA 20111
 (703) 341-8200 Fax (703) 341-7887
 info@sam.biz www.sam.biz

D1155-SUE.DGN	Designated By: M.A.
Scale: 1"=25'	Drafted By: P.B.
Sheet: 11	Checked By: S.W.
Date: 10-30-2018	1018045281

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 SCALE IN FEET

MODEL: Default
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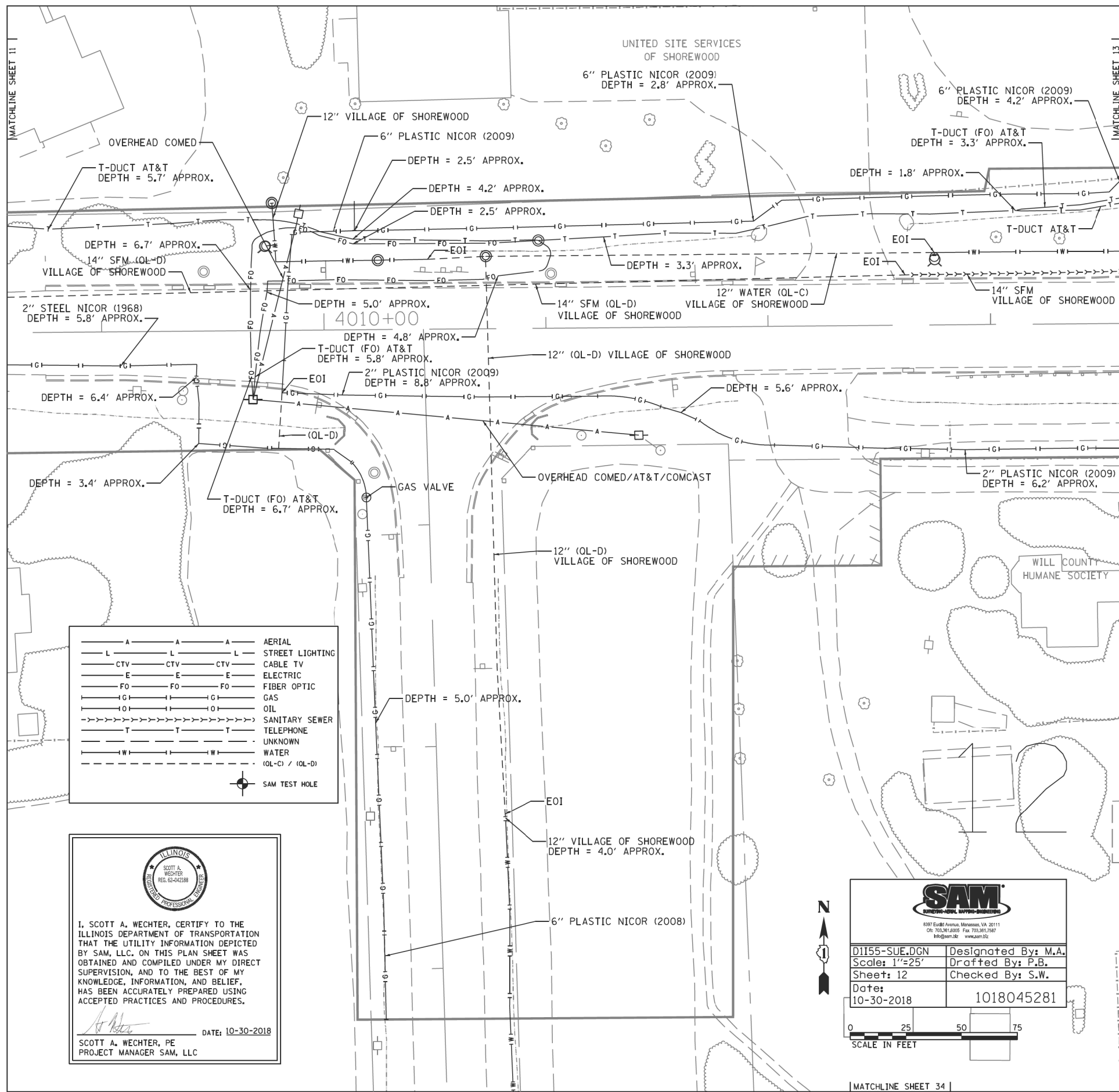
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	DRAWN -	REVISED -
PLOT SCALE = 24.0000' / ft.	CHECKED -	REVISED -
PLOT DATE = 8/17/2020	DATE - 08/18/2020	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**


SUE INVESTIGATION OF UNDERGROUND UTILITIES


SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.
--------	-------	----	--------	------	----	------

F.A./P.RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2020-192-B	WILL	299	105
CONTRACT NO. 62M63				
* FAI 55, FAP 338 ILLINOIS FED. AID PROJECT				





— A — A — A —	AERIAL
— L — L — L —	STREET LIGHTING
— CTV — CTV — CTV —	CABLE TV
— E — E — E —	ELECTRIC
— FO — FO — FO —	FIBER OPTIC
— G — G — G —	GAS
— O — O — O —	OIL
— S — S — S —	SANITARY SEWER
— T — T — T —	TELEPHONE
— U — U — U —	UNKNOWN
— W — W — W —	WATER
— (OL-C) / (OL-D) —	(OL-C) / (OL-D)
⊙	SAM TEST HOLE


 I, SCOTT A. WECHTER, CERTIFY TO THE ILLINOIS DEPARTMENT OF TRANSPORTATION THAT THE UTILITY INFORMATION DEPICTED BY SAM, LLC. ON THIS PLAN SHEET WAS OBTAINED AND COMPILED UNDER MY DIRECT SUPERVISION, AND TO THE BEST OF MY KNOWLEDGE, INFORMATION, AND BELIEF, HAS BEEN ACCURATELY PREPARED USING ACCEPTED PRACTICES AND PROCEDURES.
 _____ DATE: 10-30-2018
 SCOTT A. WECHTER, PE
 PROJECT MANAGER SAM, LLC


 8397 Euclid Avenue, Manassas, VA 20111
 CR: 703.361.2000 Fax: 703.361.2907
 info@samllc.com www.samllc.com

D1155-SUE.DGN	Designated By: M.A.
Scale: 1"=25'	Drafted By: P.B.
Sheet: 12	Checked By: S.W.
Date: 10-30-2018	1018045281



 SCALE IN FEET

MODEL: Default
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 D:\162M32-sht-sue-013.dgn
 63907

USER NAME = jworthington	DESIGNED -	REVISED -
PLOT SCALE = 24.0000' / ft.	DRAWN -	REVISED -
PLOT DATE = 8/17/2020	CHECKED -	REVISED -
	DATE - 08/18/2020	REVISED -

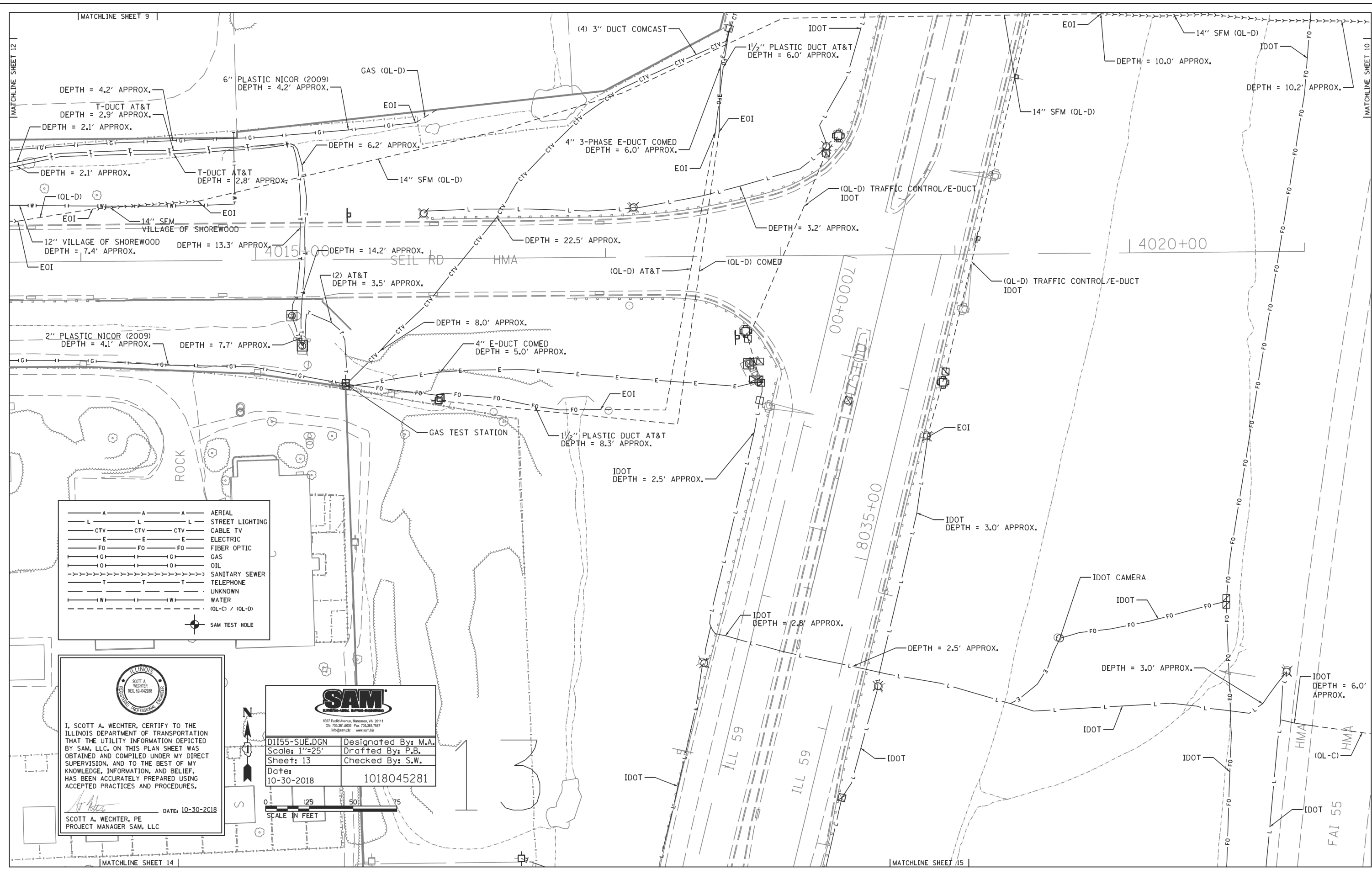
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUE INVESTIGATION OF UNDERGROUND UTILITIES

SCALE: SHEET OF SHEETS STA. TO STA.

F.A./P.RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-	2020-192-B	WILL	299	106
CONTRACT NO. 62M63				

* FAI 55, FAP 338 ILLINOIS FED. AID PROJECT



— A — A — A	AERIAL
— L — L — L	STREET LIGHTING
— CTV — CTV — CTV	CABLE TV
— E — E — E	ELECTRIC
— FO — FO — FO	FIBER OPTIC
— G — G — G	GAS
— O — O — O	OIL
— S — S — S	SANITARY SEWER
— T — T — T	TELEPHONE
— U — U — U	UNKNOWN
— W — W — W	WATER
— (OL-C) / (OL-D)	
⊙	SAM TEST HOLE

I, SCOTT A. WECHTER, CERTIFY TO THE ILLINOIS DEPARTMENT OF TRANSPORTATION THAT THE UTILITY INFORMATION DEPICTED BY SAM, LLC, ON THIS PLAN SHEET WAS OBTAINED AND COMPILED UNDER MY DIRECT SUPERVISION, AND TO THE BEST OF MY KNOWLEDGE, INFORMATION, AND BELIEF, HAS BEEN ACCURATELY PREPARED USING ACCEPTED PRACTICES AND PROCEDURES.

DATE: 10-30-2018
 SCOTT A. WECHTER, PE
 PROJECT MANAGER SAM, LLC

8397 Eureka Avenue, Manassas, VA 20111
 Cir. 703.361.6200 Fax 703.361.7587
 info@sam-llc.com www.sam-llc.com

D1155-SUE.DGN	Designated By: M.A.
Scale: 1"=25'	Drafted By: P.B.
Sheet: 13	Checked By: S.W.
Date: 10-30-2018	1018045281

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 SCALE IN FEET

MODEL: Default
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 D:\62M32-shit-sue-014.dgn
 63907

USER NAME = jworthington	DESIGNED -	REVISED -
PLOT SCALE = 24,0000' / ft.	DRAWN -	REVISED -
PLOT DATE = 8/17/2020	CHECKED -	REVISED -
	DATE = 08/18/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUE INVESTIGATION OF UNDERGROUND UTILITIES

SCALE: SHEET OF SHEETS STA. TO STA.

F.A./P.RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
=	2020-192-B	WILL	299	107
CONTRACT NO. 62M63				
* FAI 55, FAP 338 ILLINOIS FED. AID PROJECT				

A	A	A	AERIAL
L	L	L	STREET LIGHTING
CTV	CTV	CTV	CABLE TV
E	E	E	ELECTRIC
FO	FO	FO	FIBER OPTIC
G	G	G	GAS
O	O	O	OIL
S	S	S	SANITARY SEWER
T	T	T	TELEPHONE
U	U	U	UNKNOWN
W	W	W	WATER
(OL-C)	(OL-D)		(OL-C) / (OL-D)
			SAM TEST HOLE

ILLINOIS
SCOTT A. WECHTER
REG. 62-042188
PROFESSIONAL ENGINEER

I, SCOTT A. WECHTER, CERTIFY TO THE ILLINOIS DEPARTMENT OF TRANSPORTATION THAT THE UTILITY INFORMATION DEPICTED BY SAM, LLC, ON THIS PLAN SHEET WAS OBTAINED AND COMPILED UNDER MY DIRECT SUPERVISION, AND TO THE BEST OF MY KNOWLEDGE, INFORMATION, AND BELIEF, HAS BEEN ACCURATELY PREPARED USING ACCEPTED PRACTICES AND PROCEDURES.

DATE: 10-30-2018
SCOTT A. WECHTER, PE
PROJECT MANAGER SAM, LLC

SAM
SURVEYING-GENERAL SURVEYING ENGINEERS

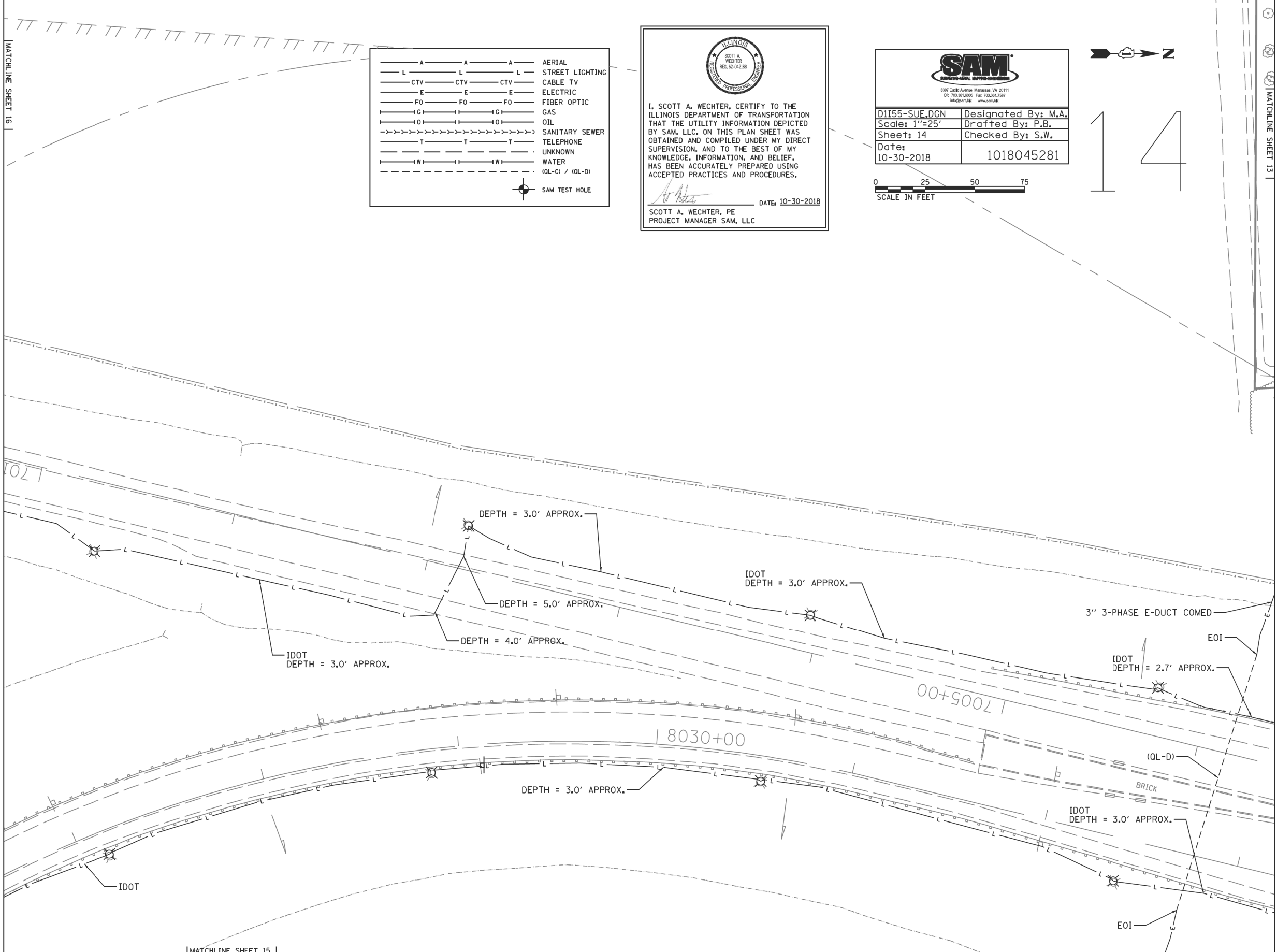
8307 South Avenue, Mechanicsville, VA 22111
Tel: 703.961.5005 Fax: 703.261.7587
info@sam.biz www.sam.biz

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Scale: 1"=25'	Drafted By: P.B.
Sheet: 14	Checked By: S.W.
Date: 10-30-2018	1018045281

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SCALE IN FEET



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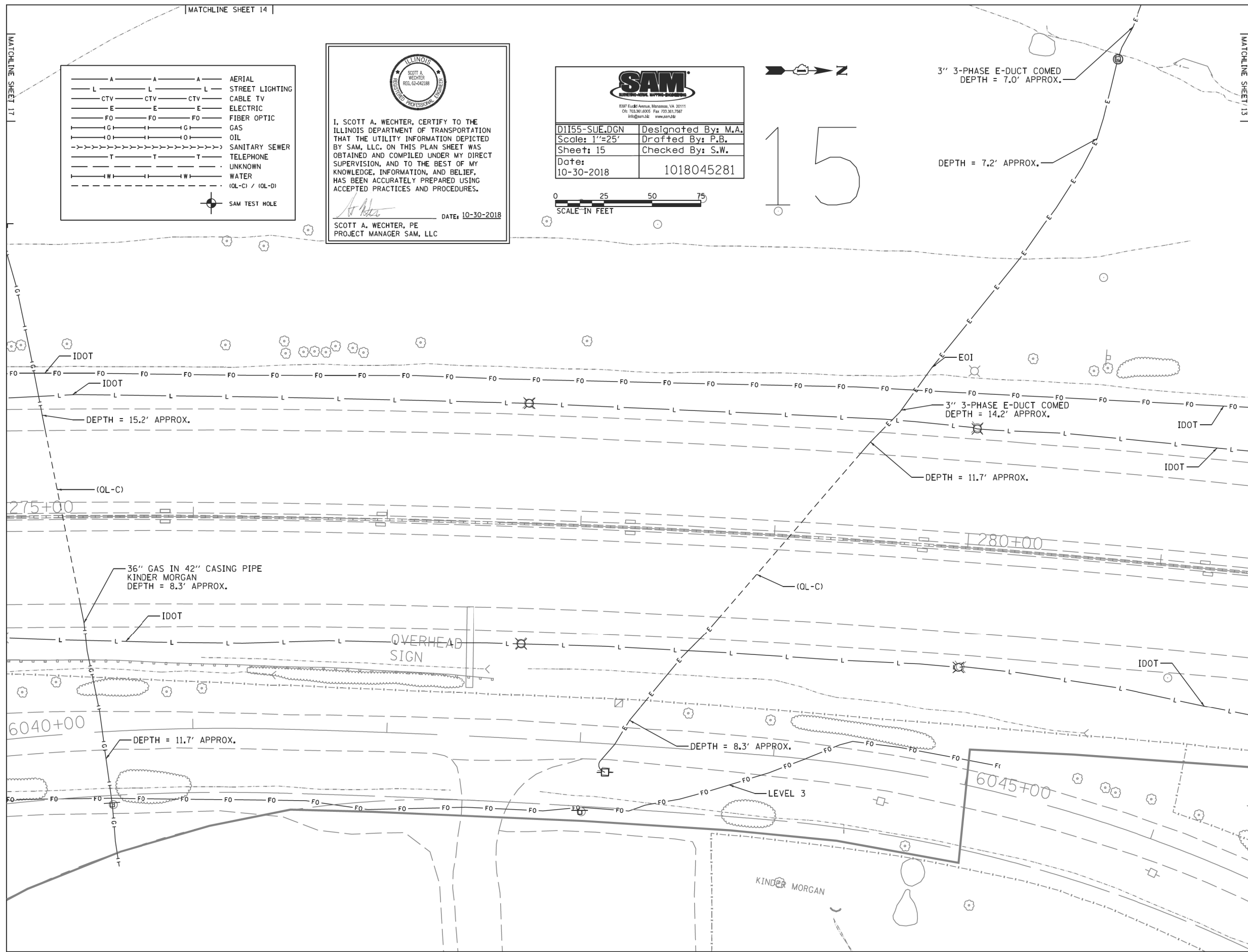
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PLOT SCALE = 24.0000 "/td> <td>DRAWN -</td> <td>REVISED -</td>	DRAWN -	REVISED -
PLOT DATE = 8/17/2020	CHECKED -	REVISED -
	DATE - 08/18/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION


SUE INVESTIGATION OF UNDERGROUND UTILITIES


SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.
--------	-------	----	--------	------	----	------

F.A./P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
=	2020-192-B	WILL	299	108
CONTRACT NO. 62M63				
* FAI 55, FAP 338 ILLINOIS FED. AID PROJECT				



— A — A — A	AERIAL
— L — L — L	STREET LIGHTING
— CTV — CTV — CTV	CABLE TV
— E — E — E	ELECTRIC
— FO — FO — FO	FIBER OPTIC
— G — G — G	GAS
— O — O — O	OIL
— S — S — S	SANITARY SEWER
— T — T — T	TELEPHONE
— U — U — U	UNKNOWN
— W — W — W	WATER
(OL-C) / (OL-D)	
⊙	SAM TEST HOLE


 I, SCOTT A. WECHTER, CERTIFY TO THE ILLINOIS DEPARTMENT OF TRANSPORTATION THAT THE UTILITY INFORMATION DEPICTED BY SAM, LLC, ON THIS PLAN SHEET WAS OBTAINED AND COMPILED UNDER MY DIRECT SUPERVISION, AND TO THE BEST OF MY KNOWLEDGE, INFORMATION, AND BELIEF, HAS BEEN ACCURATELY PREPARED USING ACCEPTED PRACTICES AND PROCEDURES.
 DATE: 10-30-2018
 SCOTT A. WECHTER, PE
 PROJECT MANAGER SAM, LLC


 6307 Euclid Avenue, Merriamville, VA 20111
 016 703.961.6000 Fax 703.961.7587
 info@sam.biz www.sam.biz

D1155-SUE.DGN	Designed By: M.A.
Scale: 1"=25'	Drafted By: P.B.
Sheet: 15	Checked By: S.W.
Date: 10-30-2018	1018045281

SCALE IN FEET
0 25 50 75



MODEL: Default
 FILE: \\bentley.com\pub\ent\pwworkspace\pwworkspace\1072001\1072001\001\Eng_Docs_Adr_Conc\Utilities\162M32-sh-t-sue-016.dgn
 D:\162M32-sh-t-sue-016.dgn
 63907

USER NAME = jworthington	DESIGNED -	REVISED -
PLOT SCALE = 24.0000' / ft.	DRAWN -	REVISED -
PLOT DATE = 8/17/2020	CHECKED -	REVISED -
	DATE = 08/18/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

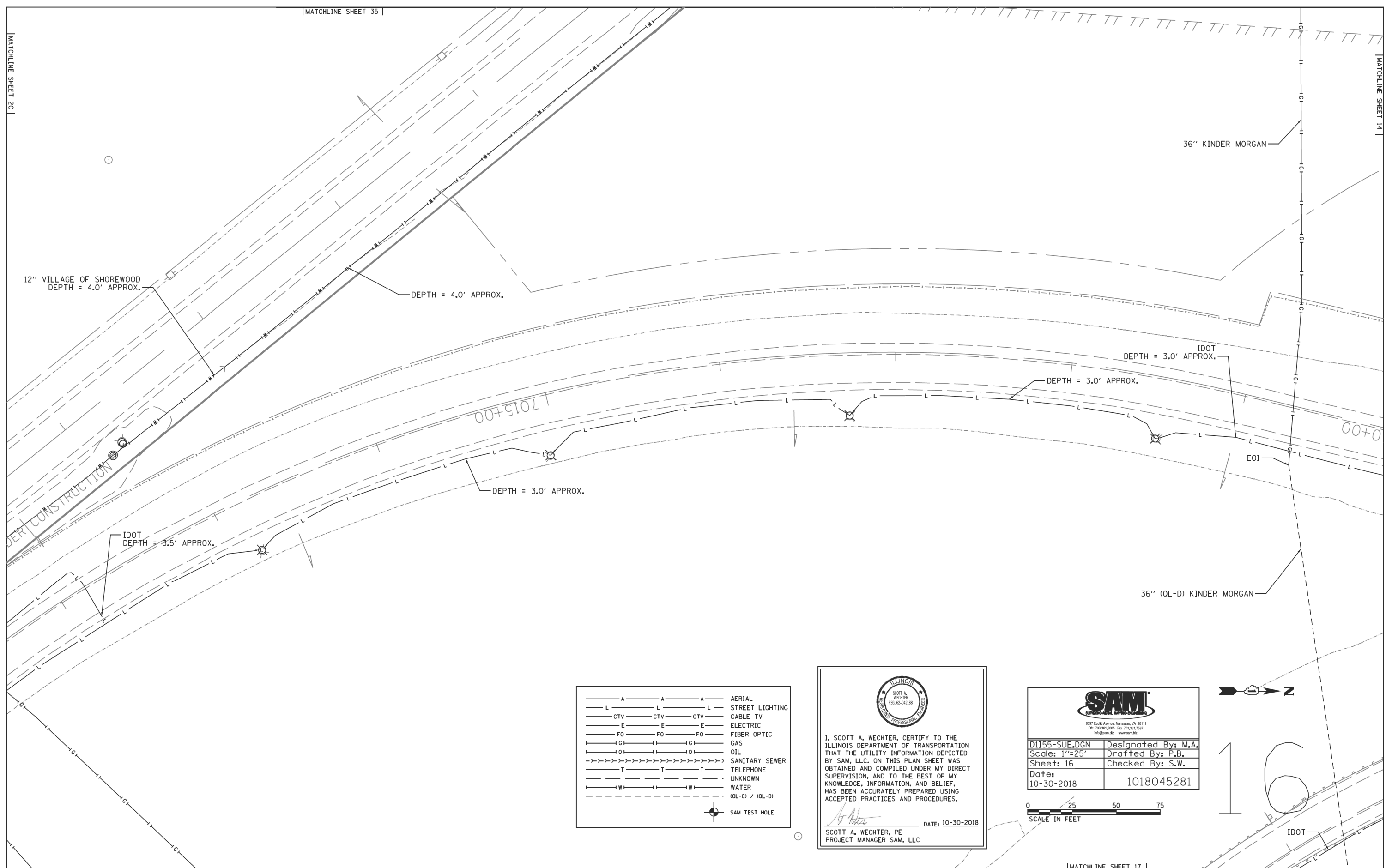
SUE INVESTIGATION OF UNDERGROUND UTILITIES			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A./P.RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2020-192-B	WILL	299	109
CONTRACT NO. 62M63				
* FAI 55, FAP 338 ILLINOIS FED. AID PROJECT				


MATCHLINE SHEET 35


MATCHLINE SHEET 20

MATCHLINE SHEET 14



— A — A — A	AERIAL
— L — L — L	STREET LIGHTING
— CTV — CTV — CTV	CABLE TV
— E — E — E	ELECTRIC
— FO — FO — FO	FIBER OPTIC
— G — G — G	GAS
— O — O — O	OIL
— S — S — S	SANITARY SEWER
— T — T — T	TELEPHONE
— U — U — U	UNKNOWN
— W — W — W	WATER
— (CL-C) / (CL-D)	(CL-C) / (CL-D)
⊙	SAM TEST HOLE


 I, SCOTT A. WECHTER, CERTIFY TO THE ILLINOIS DEPARTMENT OF TRANSPORTATION THAT THE UTILITY INFORMATION DEPICTED BY SAM, LLC. ON THIS PLAN SHEET WAS OBTAINED AND COMPILED UNDER MY DIRECT SUPERVISION, AND TO THE BEST OF MY KNOWLEDGE, INFORMATION, AND BELIEF, HAS BEEN ACCURATELY PREPARED USING ACCEPTED PRACTICES AND PROCEDURES.
 DATE: 10-30-2018
 SCOTT A. WECHTER, PE
 PROJECT MANAGER SAM, LLC


 8397 East Rd Avenue, Harrison, VA, 20111
 (703) 361-1800 Fax (703) 361-7887
 Program: www.sam-llc.com

D1155-SUE.DGN	Designated By: M.A.
Scale: 1"=25'	Drafted By: P.B.
Sheet: 16	Checked By: S.W.
Date: 10-30-2018	1018045281



16

MATCHLINE SHEET 17

MODEL: Default
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 D:\162M32-shit-sue-017.dgn
 63907

USER NAME = jworthington	DESIGNED -	REVISED -
PLOT SCALE = 24.0000 ' / ft.	DRAWN -	REVISED -
PLOT DATE = 8/17/2020	CHECKED -	REVISED -
	DATE - 08/18/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

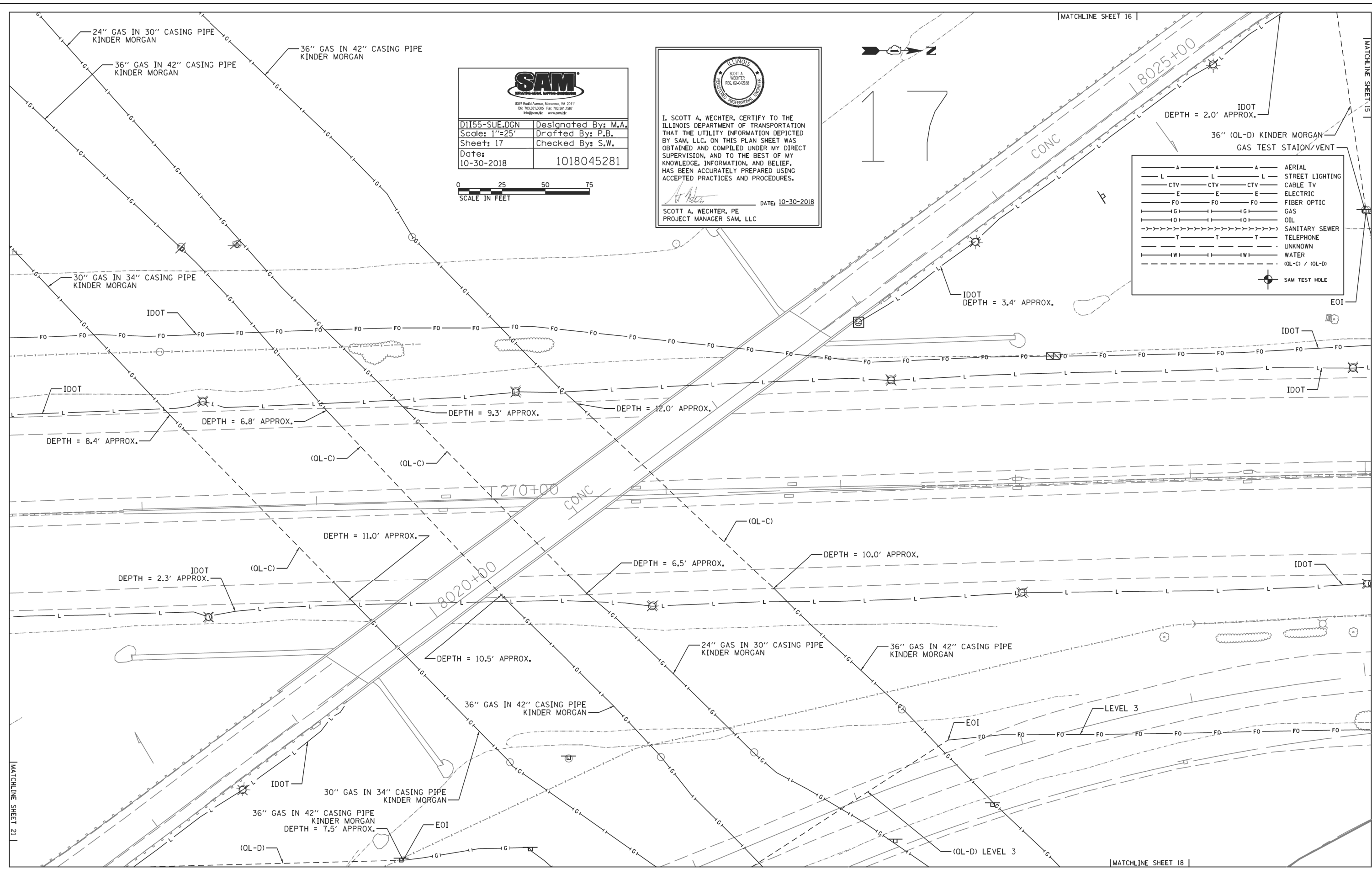
SUE INVESTIGATION OF UNDERGROUND UTILITIES

SCALE: SHEET OF SHEETS STA. TO STA.

F.A./P.RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
=	2020-192-B	WILL	299	110
CONTRACT NO. 62M63				
* FAI 55, FAP 338 ILLINOIS FED. AID PROJECT				

MATCHLINE SHEET 16

MATCHLINE SHEET 15



D1155-SUE.DGN Designated By: M.A.
 Scale: 1"=25' Drafted By: P.B.
 Sheet: 17 Checked By: S.W.
 Date: 10-30-2018 1018045281

0 25 50 75
 SCALE IN FEET



I, SCOTT A. WECHTER, CERTIFY TO THE ILLINOIS DEPARTMENT OF TRANSPORTATION THAT THE UTILITY INFORMATION DEPICTED BY SAM, LLC. ON THIS PLAN SHEET WAS OBTAINED AND COMPILED UNDER MY DIRECT SUPERVISION, AND TO THE BEST OF MY KNOWLEDGE, INFORMATION, AND BELIEF, HAS BEEN ACCURATELY PREPARED USING ACCEPTED PRACTICES AND PROCEDURES.

SCOTT A. WECHTER, PE
 PROJECT MANAGER SAM, LLC
 DATE: 10-30-2018

— A — A — A —	AERIAL
— L — L — L —	STREET LIGHTING
— CTV — CTV — CTV —	CABLE TV
— E — E — E —	ELECTRIC
— FO — FO — FO —	FIBER OPTIC
— G — G — G —	GAS
— O — O — O —	OIL
— S — S — S —	SANITARY SEWER
— T — T — T —	TELEPHONE
— U — U — U —	UNKNOWN
— W — W — W —	WATER
— (QL-C) / (QL-D) —	(QL-C) / (QL-D)
⊙	SAM TEST HOLE

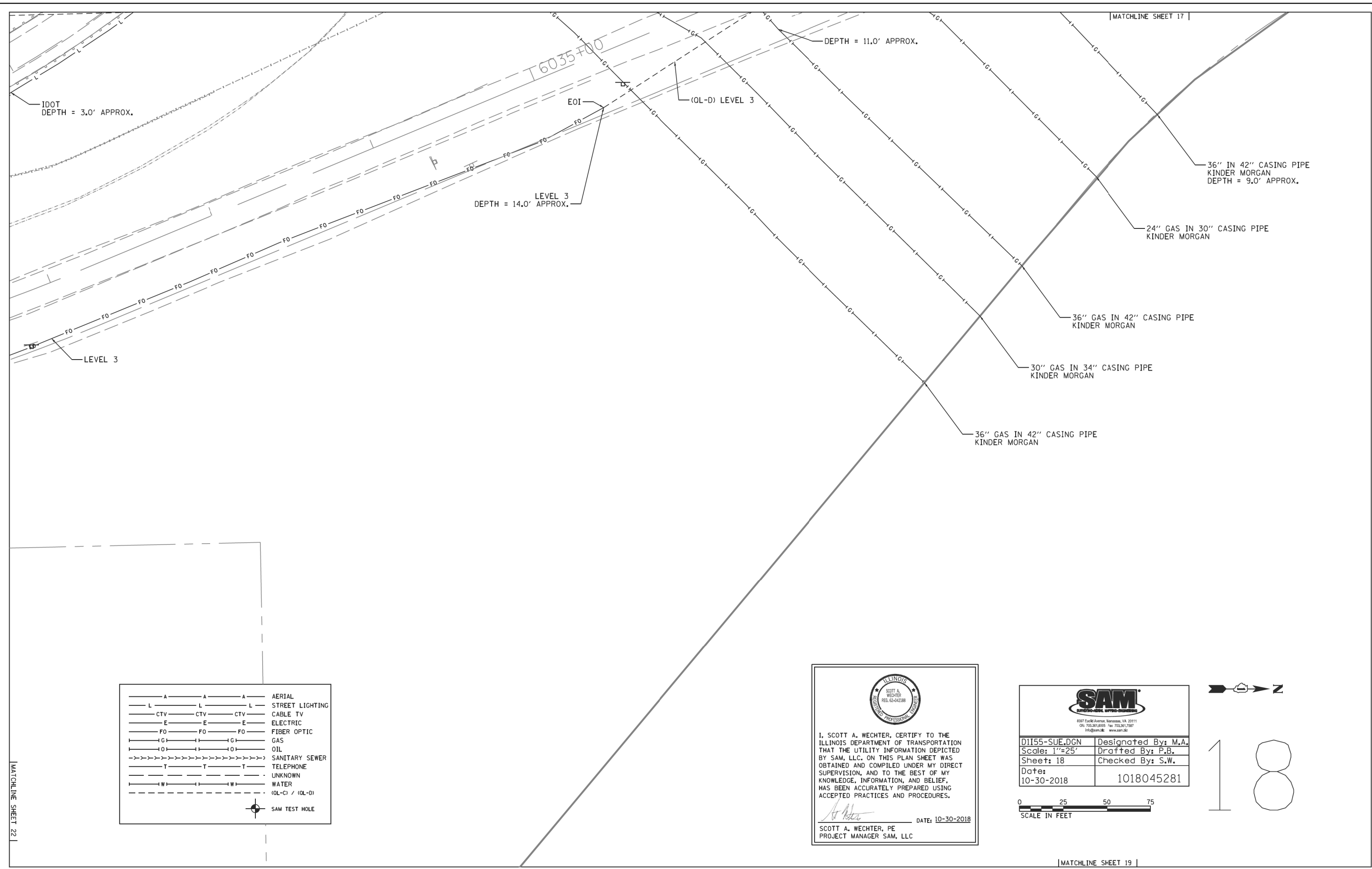
MATCHLINE SHEET 21

MATCHLINE SHEET 18

USER NAME = jworthington	DESIGNED -	REVISED -
PLOT SCALE = 24.0000" / ft.	DRAWN -	REVISED -
PLOT DATE = 8/17/2020	CHECKED -	REVISED -
	DATE - 08/18/2020	REVISED -

STATE OF ILLINOIS	DEPARTMENT OF TRANSPORTATION
SUE INVESTIGATION OF UNDERGROUND UTILITIES	
SCALE:	SHEET OF SHEETS STA. TO STA.

F.A./P.RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
=	2020-192-B	WILL	299	111
CONTRACT NO. 62M63				
* FAI 55, FAP 338 ILLINOIS FED. AID PROJECT				



MATCHLINE SHEET 22

— A — A — A —	AERIAL
— L — L — L —	STREET LIGHTING
— CTV — CTV — CTV —	CABLE TV
— E — E — E —	ELECTRIC
— FO — FO — FO —	FIBER OPTIC
— G — G — G —	GAS
— O — O — O —	OIL
— S — S — S —	SANITARY SEWER
— T — T — T —	TELEPHONE
— U — U — U —	UNKNOWN
— W — W — W —	WATER
— (OL-C) / (OL-D) —	(OL-C) / (OL-D)
⊙	SAM TEST HOLE

ILLINOIS PROFESSIONAL ENGINEER
 SCOTT A. WECHTER
 REG. 02-042388

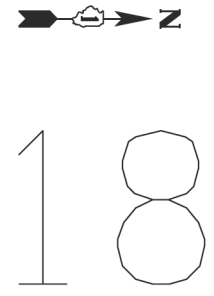
I, SCOTT A. WECHTER, CERTIFY TO THE ILLINOIS DEPARTMENT OF TRANSPORTATION THAT THE UTILITY INFORMATION DEPICTED BY SAM, LLC. ON THIS PLAN SHEET WAS OBTAINED AND COMPILED UNDER MY DIRECT SUPERVISION, AND TO THE BEST OF MY KNOWLEDGE, INFORMATION, AND BELIEF, HAS BEEN ACCURATELY PREPARED USING ACCEPTED PRACTICES AND PROCEDURES.

DATE: 10-30-2018
 SCOTT A. WECHTER, PE
 PROJECT MANAGER SAM, LLC

SAM
 SURVEYING • MAPPING • ENGINEERING

897 Euclid Avenue, Danvers, VA 20111
 (703) 341-8000 Fax (703) 341-7887
 Program: 410 www.sam-llc.com

D1155-SUE.DGN	Designated By: M.A.
Scale: 1"=25'	Drafted By: P.B.
Sheet: 18	Checked By: S.W.
Date: 10-30-2018	1018045281



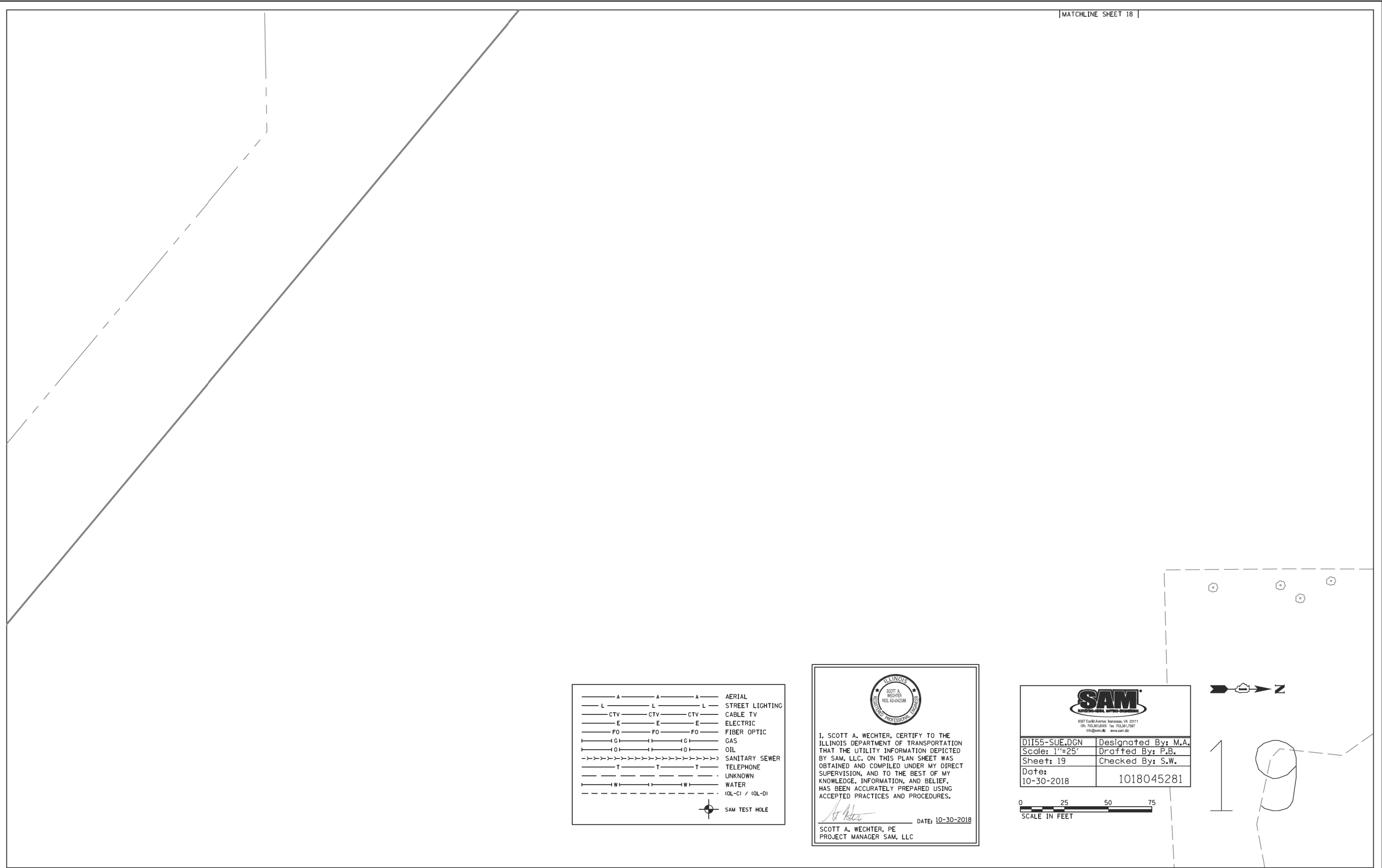
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USER NAME = jworthington	DESIGNED -	REVISED -
PLOT SCALE = 24.0000 ' / ft.	DRAWN -	REVISED -
PLOT DATE = 8/17/2020	CHECKED -	REVISED -
	DATE = 08/18/2020	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SUE INVESTIGATION OF UNDERGROUND UTILITIES			
SCALE:	SHEET	OF	SHEETS
	STA.	TO	STA.

F.A./P.RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
=	2020-192-B	WILL	299	112
CONTRACT NO. 62M63				
* FAI 55, FAP 338 ILLINOIS FED. AID PROJECT				



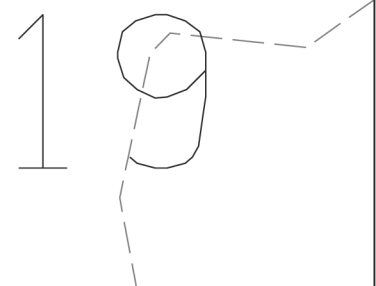
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—— L —— L —— L ——	STREET LIGHTING
—— CTV —— CTV —— CTV ——	CABLE TV
—— E —— E —— E ——	ELECTRIC
—— FO —— FO —— FO ——	FIBER OPTIC
—(G)—(G)—(G)—(G)—	GAS
—(O)—(O)—(O)—(O)—	OIL
->>>>>>>>>>>>>>>>>>>>>>>>>>>>	SANITARY SEWER
—— T —— T —— T ——	TELEPHONE
—— · —— · —— · ——	UNKNOWN
—— W —— W —— W ——	WATER
- - - - - (QL-C) / (QL-D) - - - - -	
⊕	SAM TEST HOLE

I, SCOTT A. WECHTER, CERTIFY TO THE ILLINOIS DEPARTMENT OF TRANSPORTATION THAT THE UTILITY INFORMATION DEPICTED BY SAM, LLC. ON THIS PLAN SHEET WAS OBTAINED AND COMPILED UNDER MY DIRECT SUPERVISION, AND TO THE BEST OF MY KNOWLEDGE, INFORMATION, AND BELIEF, HAS BEEN ACCURATELY PREPARED USING ACCEPTED PRACTICES AND PROCEDURES.

Scott A. Wechter DATE: 10-30-2018
 SCOTT A. WECHTER, PE
 PROJECT MANAGER SAM, LLC

897 East Avenue, Danvers, VA 20111
 703.341.8005 Fax 703.341.7887
 Program: www.sam-llc.com

D1155-SUE.DGN	Designated By: M.A.
Scale: 1"=25'	Drafted By: P.B.
Sheet: 19	Checked By: S.W.
Date: 10-30-2018	1018045281



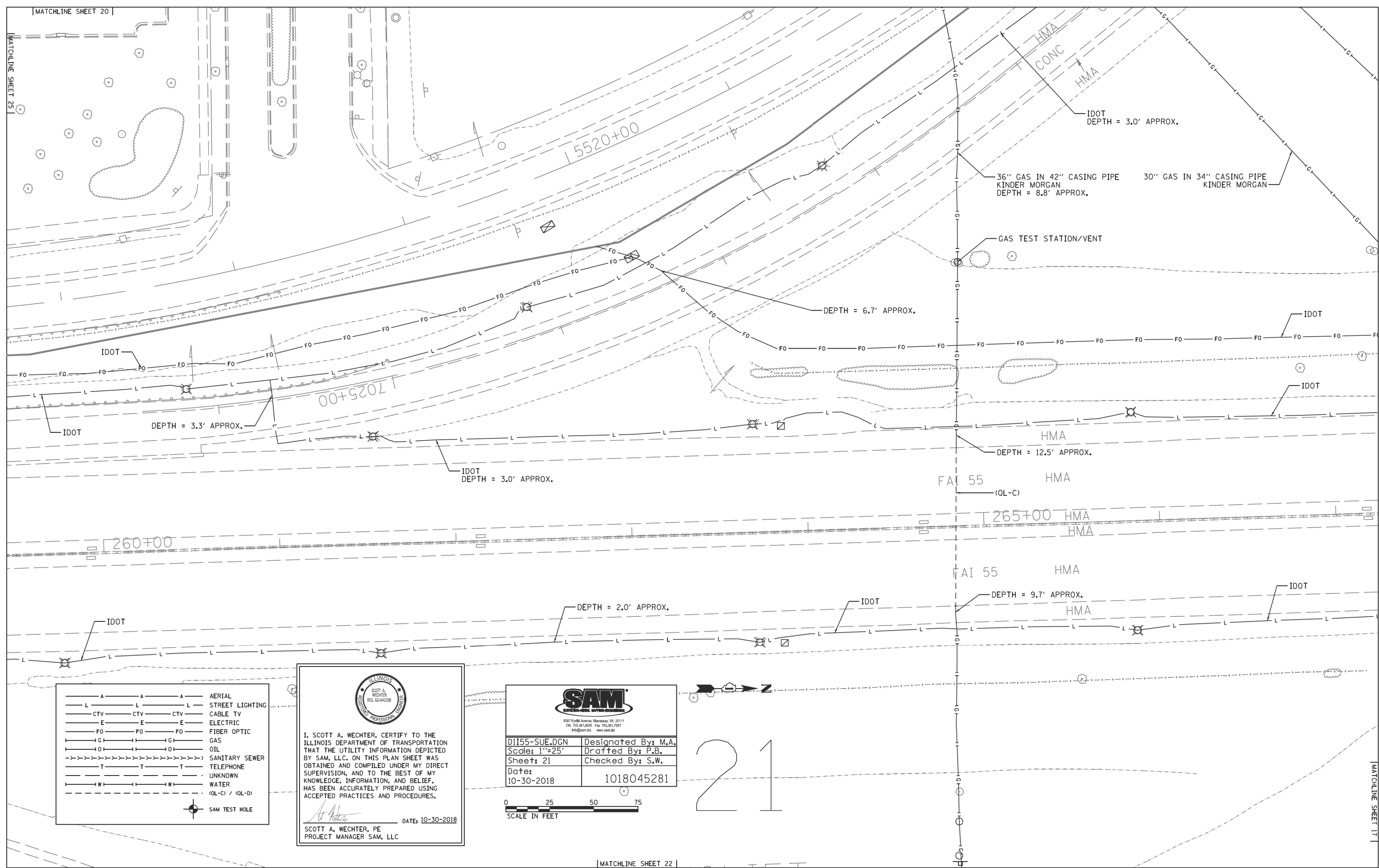
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 63907

USER NAME = jworthington	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 24,0000 ' / ft.	CHECKED -	REVISED -
PLOT DATE = 8/17/2020	DATE - 08/18/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUE INVESTIGATION OF UNDERGROUND UTILITIES			
SCALE:	SHEET	OF	SHEETS
	STA.	TO	STA.

F.A./P.RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-	2020-192-B	WILL	299	113
CONTRACT NO. 62M63				
* FAI 55, FAP 338	ILLINOIS	FED. AID PROJECT		



— A —	A	A	AERIAL
— L —	L	L	STREET LIGHTING
— CTV —	CTV	CTV	CABLE TV
— E —	E	E	ELECTRIC
— FO —	FO	FO	FIBER OPTIC
— G —	G	G	GAS
— O —	O	O	OIL
— S —	S	S	SANITARY SEWER
— T —	T	T	TELEPHONE
— U —	U	U	UNKNOWN
— W —	W	W	WATER
— (QL-C) / (QL-D) —			(QL-C) / (QL-D)
			SAM TEST HOLE

I, SCOTT A. WECHTER, CERTIFY TO THE ILLINOIS DEPARTMENT OF TRANSPORTATION THAT THE UTILITY INFORMATION DEPICTED BY SAM, LLC. ON THIS PLAN SHEET WAS OBTAINED AND COMPILED UNDER MY DIRECT SUPERVISION, AND TO THE BEST OF MY KNOWLEDGE, INFORMATION, AND BELIEF, HAS BEEN ACCURATELY PREPARED USING ACCEPTED PRACTICES AND PROCEDURES.
 DATE: 10-30-2018
 SCOTT A. WECHTER, PE
 PROJECT MANAGER SAM, LLC

5387 East 3 Avenue, Manassas, VA 20111
 (703) 361-8000 Fax (703) 361-7887
 khs@sam.biz www.sam.biz

D1155-SUE.DGN	Designed By: M.A.
Scale: 1"=25'	Drafted By: P.B.
Sheet: 21	Checked By: S.W.
Date: 10-30-2018	1018045281

0 25 50 75
 SCALE IN FEET

21

MODEL: Default
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 63907

USER NAME = jworthington	DESIGNED -	REVISED -
PLOT SCALE = 24.0000' / ft.	DRAWN -	REVISED -
PLOT DATE = 8/17/2020	CHECKED -	REVISED -
	DATE - 08/18/2020	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SUE INVESTIGATION OF UNDERGROUND UTILITIES

SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.
--------	-------	----	--------	------	----	------

F.A./P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
=	2020-192-B	WILL	299	115
CONTRACT NO. 62M63				
* FAI 55, FAP 338 ILLINOIS FED. AID PROJECT				

EOI

36" G IN 42" CASING PIPE
(OL-D) KINDER MORGAN

8010+00

8015+00

IDOT
DEPTH = 4.0' APPROX.

DEPTH = 3.0' APPROX.

6025+00


6030+00
HMA

1/2" PLASTIC LEVEL 3

1/2" PLASTIC LEVEL 3


MATCHLINE SHEET 26

— A — A — A	AERIAL
— L — L — L	STREET LIGHTING
— CTV — CTV — CTV	CABLE TV
— E — E — E	ELECTRIC
— FO — FO — FO	FIBER OPTIC
— G — G — G	GAS
— O — O — O	OIL
— S — S — S	SANITARY SEWER
— T — T — T	TELEPHONE
— U — U — U	UNKNOWN
— W — W — W	WATER
— (OL-C) / (OL-D)	(OL-C) / (OL-D)
⊙	SAM TEST HOLE



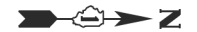
I, SCOTT A. WECHTER, CERTIFY TO THE ILLINOIS DEPARTMENT OF TRANSPORTATION THAT THE UTILITY INFORMATION DEPICTED BY SAM, LLC. ON THIS PLAN SHEET WAS OBTAINED AND COMPILED UNDER MY DIRECT SUPERVISION, AND TO THE BEST OF MY KNOWLEDGE, INFORMATION, AND BELIEF, HAS BEEN ACCURATELY PREPARED USING ACCEPTED PRACTICES AND PROCEDURES.

Scott A. Wechter DATE: 10-30-2018
SCOTT A. WECHTER, PE
PROJECT MANAGER SAM, LLC



897 East Avenue, Harrison, VA 20111
Tel: 703.341.8000 Fax: 703.341.7887
Programs: www.sam-llc.com

D1155-SUE.DGN	Designated By: M.A.
Scale: 1"=25'	Drafted By: P.B.
Sheet: 22	Checked By: S.W.
Date: 10-30-2018	1018045281



22

MATCHLINE SHEET 23

MODEL: Default
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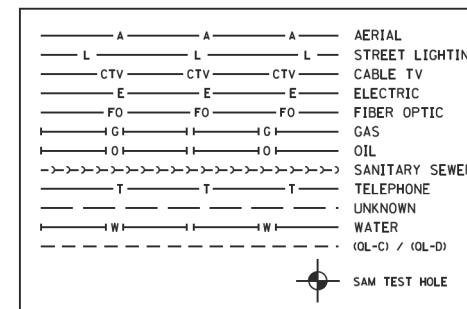
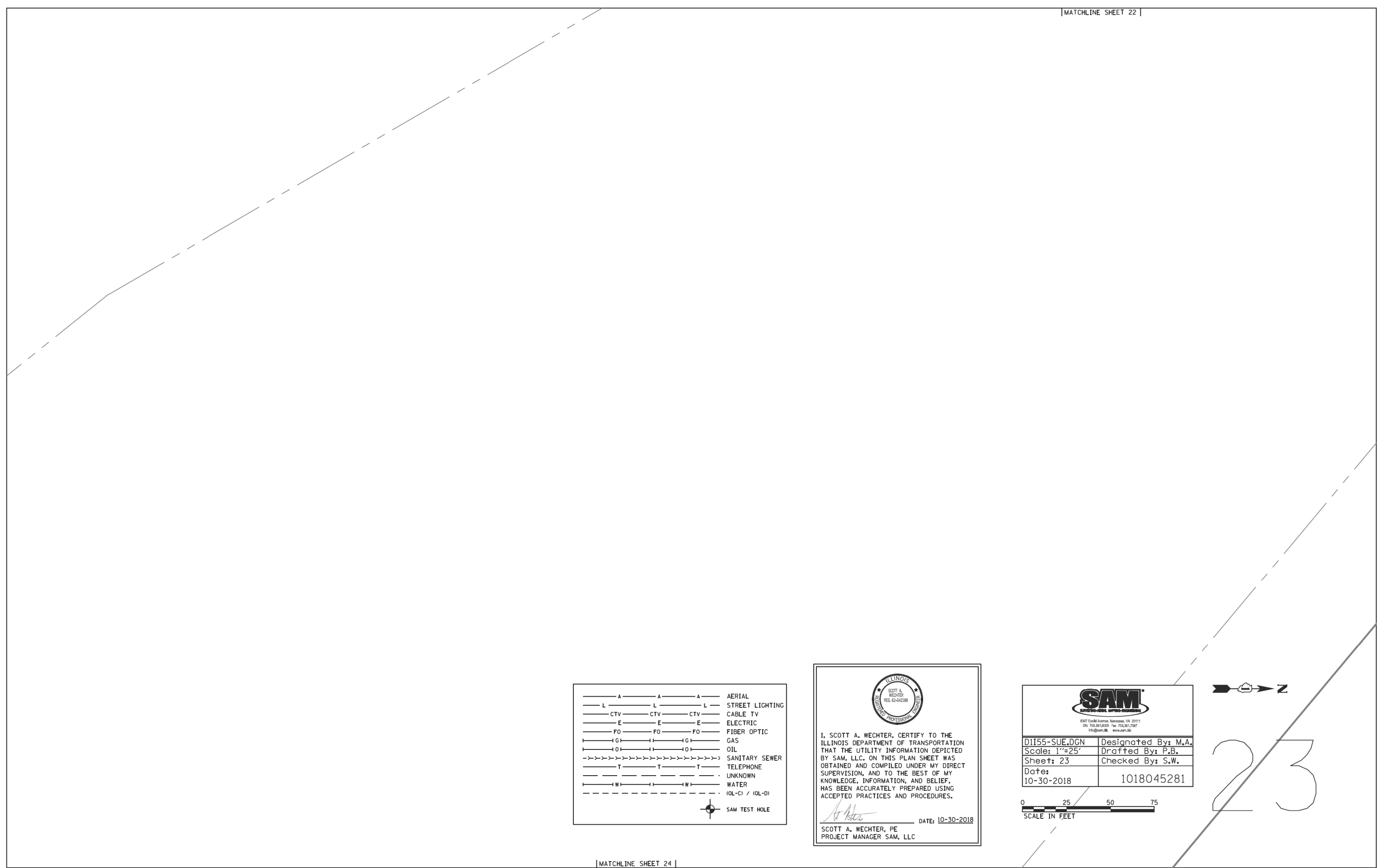
USER NAME = jworthington	DESIGNED -	REVISED -
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PLOT DATE = 8/17/2020	CHECKED -	REVISED -
	DATE - 08/18/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUE INVESTIGATION OF UNDERGROUND UTILITIES

SCALE: SHEET OF SHEETS STA. TO STA.

F.A./P.RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-	2020-192-B	WILL	299	116
CONTRACT NO. 62M63				
* FAI 55, FAP 338 ILLINOIS FED. AID PROJECT				

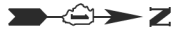


I, SCOTT A. WECHTER, CERTIFY TO THE ILLINOIS DEPARTMENT OF TRANSPORTATION THAT THE UTILITY INFORMATION DEPICTED BY SAM, LLC. ON THIS PLAN SHEET WAS OBTAINED AND COMPILED UNDER MY DIRECT SUPERVISION, AND TO THE BEST OF MY KNOWLEDGE, INFORMATION, AND BELIEF, HAS BEEN ACCURATELY PREPARED USING ACCEPTED PRACTICES AND PROCEDURES.

Scott A. Wechter DATE: 10-30-2018
 SCOTT A. WECHTER, PE
 PROJECT MANAGER SAM, LLC

8397 Euclid Avenue, Harrison, VA 20111
 (703) 361-1800 Fax (703) 361-7087
 Program: 48 www.sam.biz

D1155-SUE.DGN	Designated By: M.A.
Scale: 1"=25'	Drafted By: P.B.
Sheet: 23	Checked By: S.W.
Date: 10-30-2018	1018045281



23

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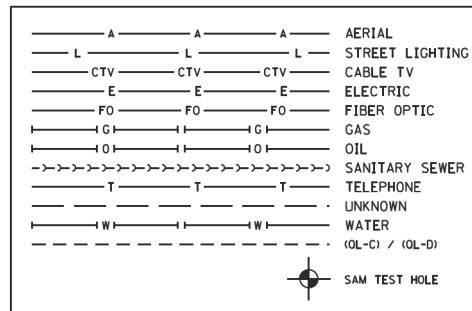
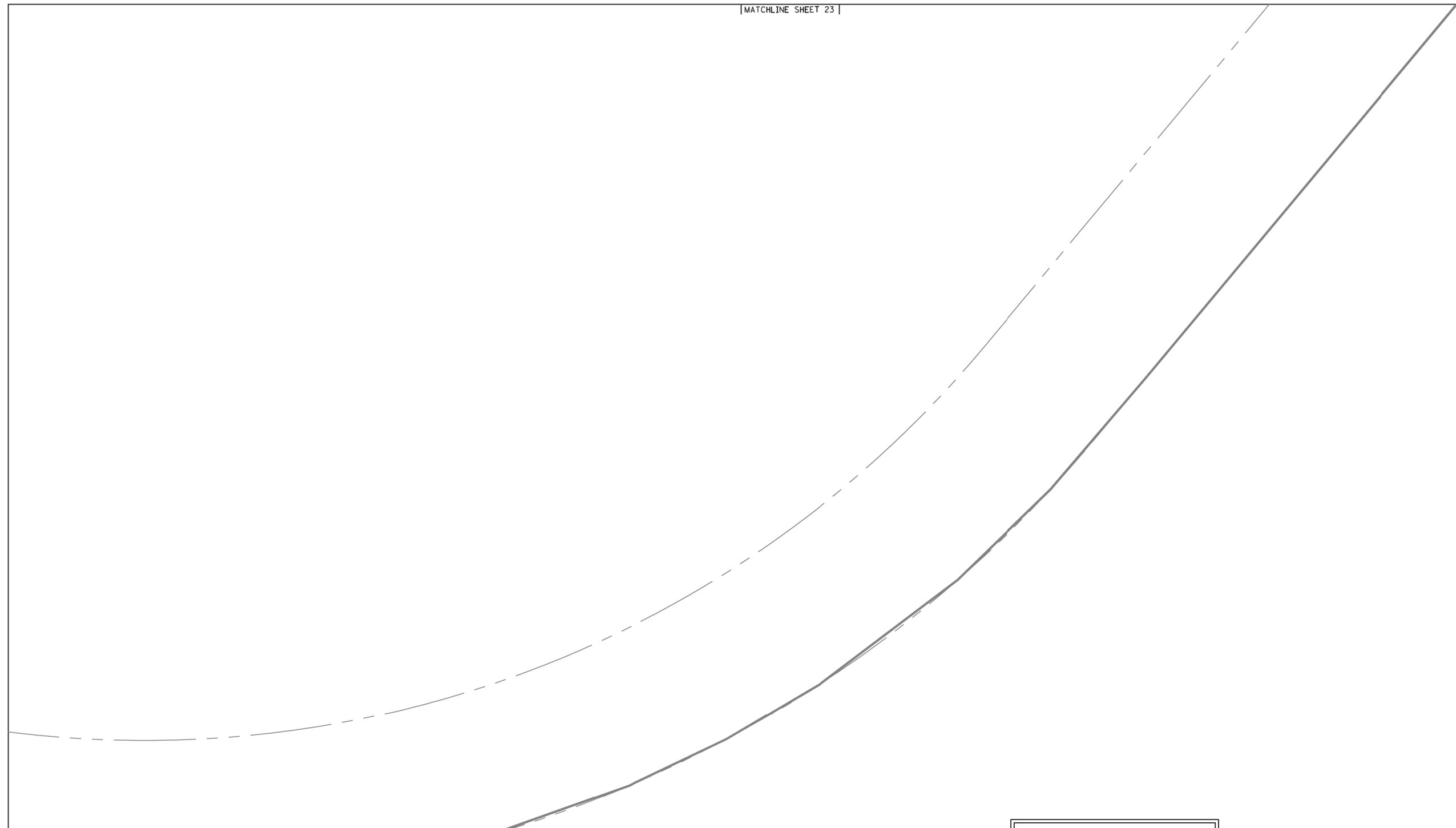
USER NAME = jworthington	DESIGNED -	REVISED -
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PLOT SCALE = 24.0000 ' / ft.	CHECKED -	REVISED -
PLOT DATE = 8/17/2020	DATE - 08/18/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUE INVESTIGATION OF UNDERGROUND UTILITIES

SCALE:	SHEET	OF	SHEETS	STA.	TO STA.
--------	-------	----	--------	------	---------

F.A./P.RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2020-192-B	WILL	299	117
CONTRACT NO. 62M63				
* FAI 55, FAP 338	ILLINOIS	FED. AID PROJECT		



I, SCOTT A. WECHTER, CERTIFY TO THE ILLINOIS DEPARTMENT OF TRANSPORTATION THAT THE UTILITY INFORMATION DEPICTED BY SAM, LLC. ON THIS PLAN SHEET WAS OBTAINED AND COMPILED UNDER MY DIRECT SUPERVISION, AND TO THE BEST OF MY KNOWLEDGE, INFORMATION, AND BELIEF, HAS BEEN ACCURATELY PREPARED USING ACCEPTED PRACTICES AND PROCEDURES.

DATE: 10-30-2018

SCOTT A. WECHTER, PE
PROJECT MANAGER SAM, LLC

897 East Avenue, Harrison, VA 20111
 Tel: 703.361.8000 Fax: 703.361.7887
 Program: www.sam.biz

D1155-SUE.DGN	Designated By: M.A.
Scale: 1"=25'	Drafted By: P.B.
Sheet: 24	Checked By: S.W.
Date: 10-30-2018	1018045281



24

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 USER: jworthington
 PLOT DATE: 8/17/2020

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	DRAWN -	REVISED -	
PLOT SCALE = 24.0000 ' / ft.	CHECKED -	REVISED -	
PLOT DATE = 8/17/2020	DATE - 08/18/2020	REVISED -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUE INVESTIGATION OF UNDERGROUND UTILITIES

SCALE:	SHEET	OF	SHEETS	STA.	TO STA.
--------	-------	----	--------	------	---------

F.A./P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2020-192-B	WILL	299	118
CONTRACT NO. 62M63				
* FAI 55, FAP 338 ILLINOIS FED. AID PROJECT				

MATCHLINE SHEET 29

MATCHLINE SHEET 21

A	A	A	AERIAL
L	L	L	STREET LIGHTING
CTV	CTV	CTV	CABLE TV
E	E	E	ELECTRIC
FO	FO	FO	FIBER OPTIC
G	G	G	GAS
O	O	O	OIL
SS	SS	SS	SANITARY SEWER
T	T	T	TELEPHONE
U	U	U	UNKNOWN
W	W	W	WATER
(OL-C)	(OL-D)	(OL-D)	(OL-C) / (OL-D)
			SAM TEST HOLE

ILLINOIS
SCOTT A. WECHTER
REG. 62-042188
REGISTERED PROFESSIONAL ENGINEER

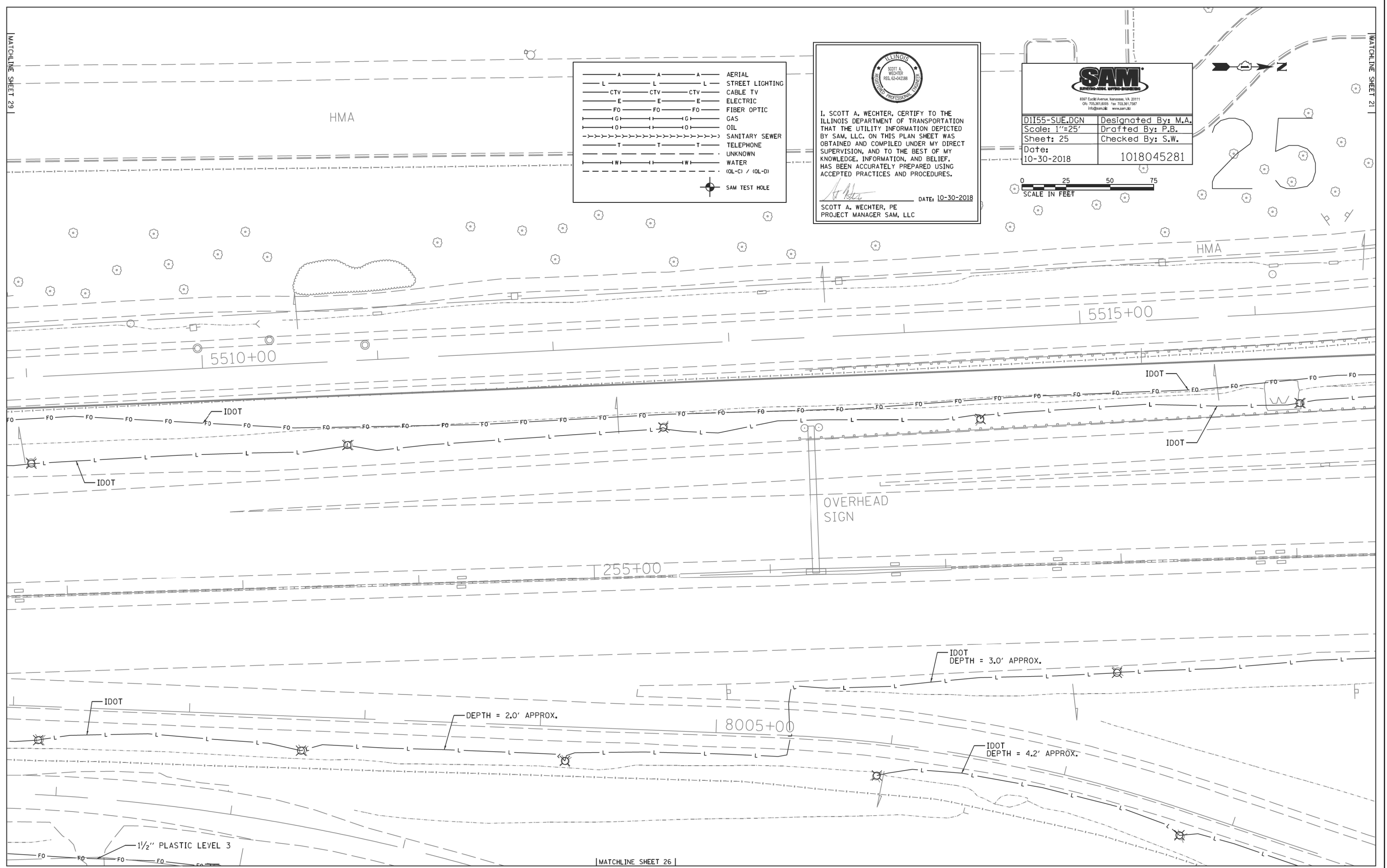
I, SCOTT A. WECHTER, CERTIFY TO THE ILLINOIS DEPARTMENT OF TRANSPORTATION THAT THE UTILITY INFORMATION DEPICTED BY SAM, LLC, ON THIS PLAN SHEET WAS OBTAINED AND COMPILED UNDER MY DIRECT SUPERVISION, AND TO THE BEST OF MY KNOWLEDGE, INFORMATION, AND BELIEF, HAS BEEN ACCURATELY PREPARED USING ACCEPTED PRACTICES AND PROCEDURES.

DATE: 10-30-2018
SCOTT A. WECHTER, PE
PROJECT MANAGER SAM, LLC

SAM
SURVEYING & MAPPING SOLUTIONS
8397 South Avenue, Nashville, TN 37211
615.703.1600 Fax 615.703.1787
info@samllc.com www.samllc.com

D1155-SUE.DGN	Designed By: M.A.
Scale: 1"=25'	Drafted By: P.B.
Sheet: 25	Checked By: S.W.
Date: 10-30-2018	1018045281

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SCALE IN FEET



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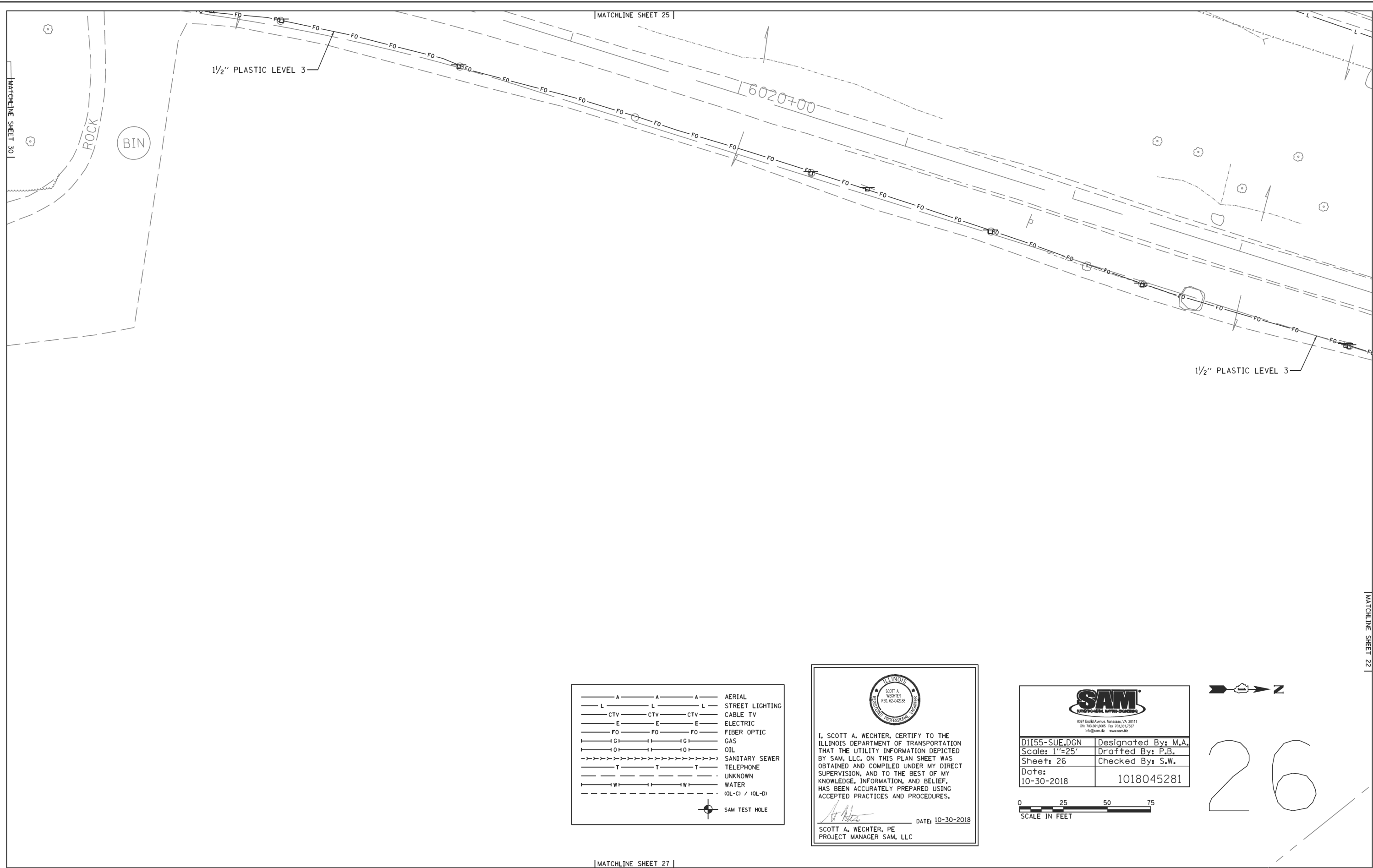
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PLOT SCALE = 24.0000' / ft.	DRAWN -	REVISED -
PLOT DATE = 8/17/2020	CHECKED -	REVISED -
	DATE - 08/18/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**


SUE INVESTIGATION OF UNDERGROUND UTILITIES


SCALE: SHEET OF SHEETS STA. TO STA.

F.A./P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
=	2020-192-B	WILL	299	119
CONTRACT NO. 62M63				
* FAI 55, FAP 338 ILLINOIS FED. AID PROJECT				



— A — A — A	AERIAL
— L — L — L	STREET LIGHTING
— CTV — CTV — CTV	CABLE TV
— E — E — E	ELECTRIC
— FO — FO — FO	FIBER OPTIC
— G — G — G	GAS
— O — O — O	OIL
— S — S — S	SANITARY SEWER
— T — T — T	TELEPHONE
— U — U — U	UNKNOWN
— W — W — W	WATER
— (QL-C) / (QL-D)	(QL-C) / (QL-D)
⊙	SAM TEST HOLE


 I, SCOTT A. WECHTER, CERTIFY TO THE ILLINOIS DEPARTMENT OF TRANSPORTATION THAT THE UTILITY INFORMATION DEPICTED BY SAM, LLC. ON THIS PLAN SHEET WAS OBTAINED AND COMPILED UNDER MY DIRECT SUPERVISION, AND TO THE BEST OF MY KNOWLEDGE, INFORMATION, AND BELIEF, HAS BEEN ACCURATELY PREPARED USING ACCEPTED PRACTICES AND PROCEDURES.
 _____ DATE: 10-30-2018
 SCOTT A. WECHTER, PE
 PROJECT MANAGER SAM, LLC


 8397 Euclid Avenue, Danvers, VA 20111
 (703) 341-8000 Fax (703) 341-7887
 Program: www.sam.biz

D1155-SUE.DGN	Designated By: M.A.
Scale: 1"=25'	Drafted By: P.B.
Sheet: 26	Checked By: S.W.
Date: 10-30-2018	1018045281



26

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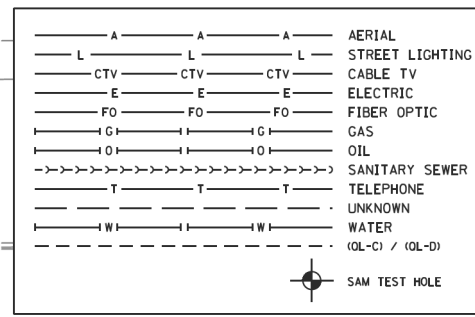
USER NAME = jworthington	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 24.0000 ' / ft.	CHECKED -	REVISED -
PLOT DATE = 8/17/2020	DATE - 08/18/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUE INVESTIGATION OF UNDERGROUND UTILITIES

SCALE: SHEET OF SHEETS STA. TO STA.

F.A./P.RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
=	2020-192-B	WILL	299	120
CONTRACT NO. 62M63				
* FAI 55, FAP 338 ILLINOIS FED. AID PROJECT				



ILLINOIS PROFESSIONAL ENGINEER
 SCOTT A. WECHTER
 REG. 62-042188

I, SCOTT A. WECHTER, CERTIFY TO THE ILLINOIS DEPARTMENT OF TRANSPORTATION THAT THE UTILITY INFORMATION DEPICTED BY SAM, LLC, ON THIS PLAN SHEET WAS OBTAINED AND COMPILED UNDER MY DIRECT SUPERVISION, AND TO THE BEST OF MY KNOWLEDGE, INFORMATION, AND BELIEF, HAS BEEN ACCURATELY PREPARED USING ACCEPTED PRACTICES AND PROCEDURES.

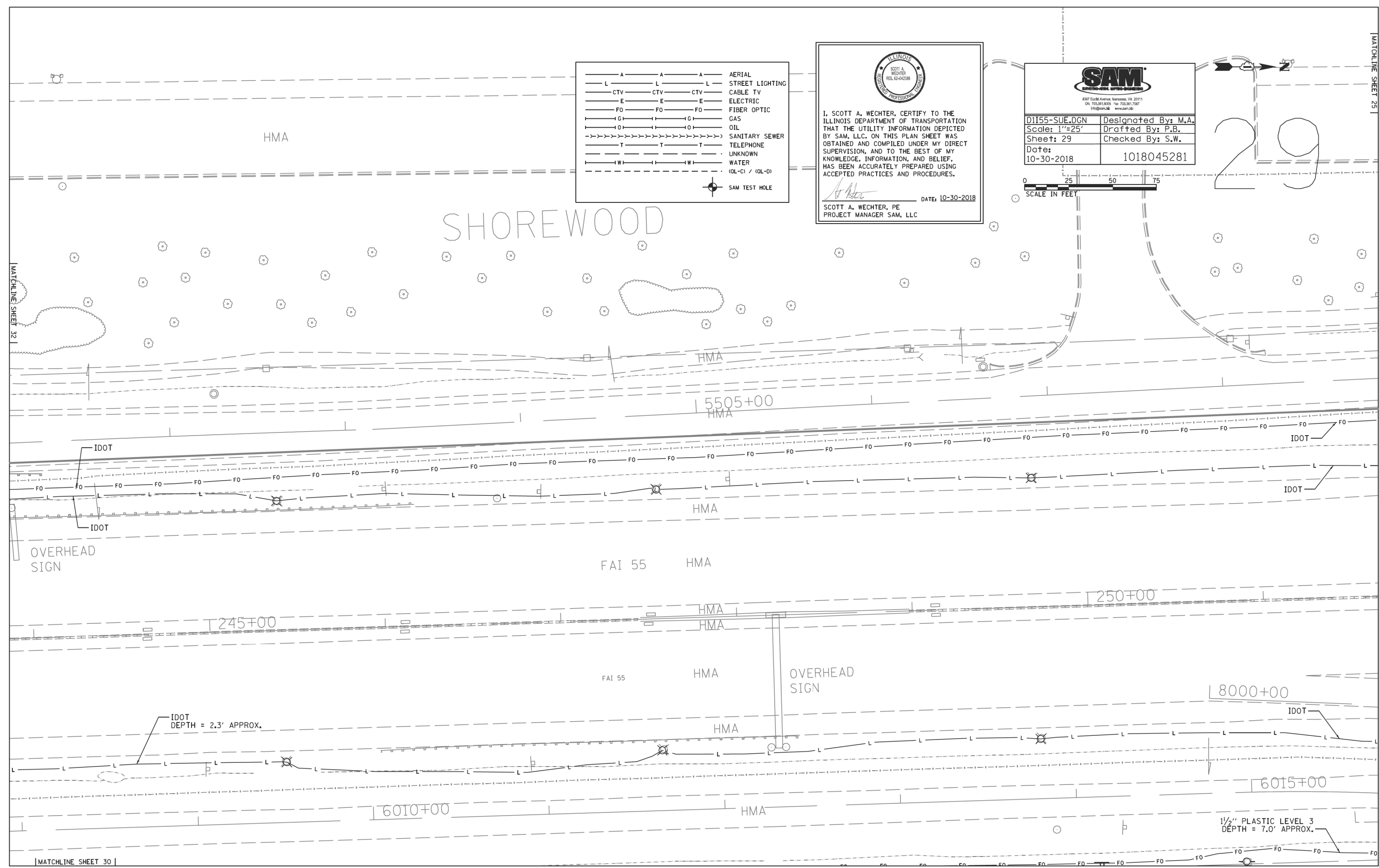
DATE: 10-30-2018
 SCOTT A. WECHTER, PE
 PROJECT MANAGER SAM, LLC

SAM
 SURVEYING & ENGINEERING
 8307 South Avenue, Nashville, TN 37211
 (615) 703-1800 Fax (615) 703-1817
 info@samllc.com www.samllc.com

D1155-SUE.DGN	Designated By: M.A.
Scale: 1"=25'	Drafted By: P.B.
Sheet: 29	Checked By: S.W.
Date: 10-30-2018	1018045281



29



MATCHLINE SHEET 32

MATCHLINE SHEET 30

USER NAME = jworthington	DESIGNED -	REVISED -
PLOT SCALE = 24,0000' / ft.	DRAWN -	REVISED -
PLOT DATE = 8/17/2020	CHECKED -	REVISED -
	DATE - 08/18/2020	REVISED -

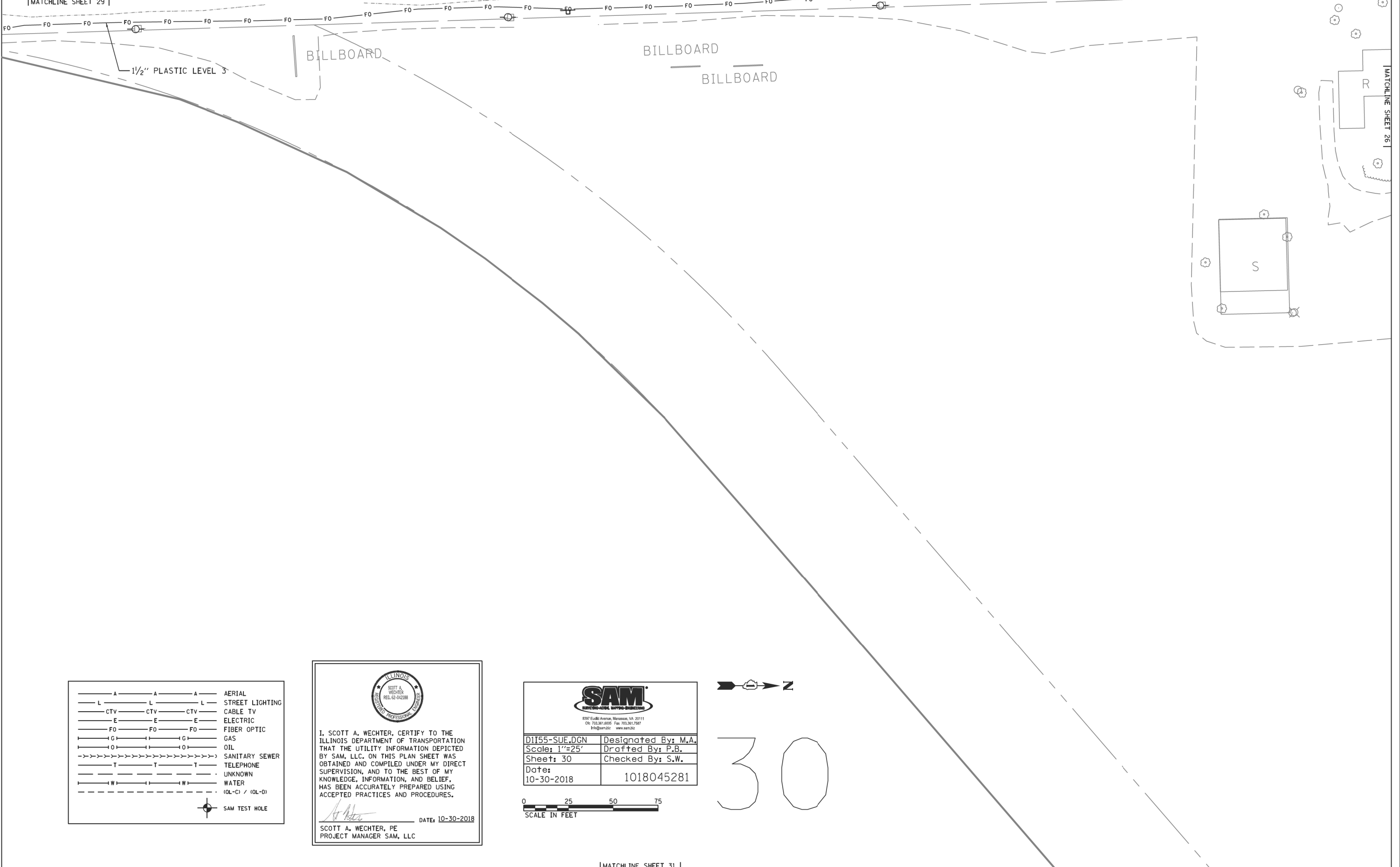
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SUE INVESTIGATION OF UNDERGROUND UTILITIES

F.A./P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
=	2020-192-B	WILL	299	123
CONTRACT NO. 62M63				
* FAI 55, FAP 338 ILLINOIS FED. AID PROJECT				

SCALE: SHEET OF SHEETS STA. TO STA.

MODEL: Default
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 D:\162M32-shr-sue-030.dgn
 63907



——— A ——— A ——— A ———	AERIAL
——— L ——— L ——— L ———	STREET LIGHTING
——— CTV ——— CTV ——— CTV ———	CABLE TV
——— E ——— E ——— E ———	ELECTRIC
——— FO ——— FO ——— FO ———	FIBER OPTIC
——— G ——— G ——— G ———	GAS
——— O ——— O ——— O ———	OIL
->>>>>>>>>>>>>>>>>>>	SANITARY SEWER
——— T ——— T ——— T ———	TELEPHONE
.....	UNKNOWN
——— W ——— W ——— W ———	WATER
- - - - - (OL-C) / (OL-D)	UNKNOWN
⊙	SAM TEST HOLE

I, SCOTT A. WECHTER, CERTIFY TO THE ILLINOIS DEPARTMENT OF TRANSPORTATION THAT THE UTILITY INFORMATION DEPICTED BY SAM, LLC ON THIS PLAN SHEET WAS OBTAINED AND COMPILED UNDER MY DIRECT SUPERVISION, AND TO THE BEST OF MY KNOWLEDGE, INFORMATION, AND BELIEF, HAS BEEN ACCURATELY PREPARED USING ACCEPTED PRACTICES AND PROCEDURES.

Scott A. Wechter DATE: 10-30-2018
 SCOTT A. WECHTER, PE
 PROJECT MANAGER SAM, LLC

8597 East Avenue, Manassas, VA 20111
 (703) 261-6000 Fax: (703) 261-7967
 info@sam.biz www.sam.biz

D1155-SUE.DGN	Designed By: M.A.
Scale: 1"=25'	Drafted By: P.B.
Sheet: 30	Checked By: S.W.
Date: 10-30-2018	1018045281

0 25 50 75
 SCALE IN FEET



|MATCHLINE SHEET 31|

USER NAME = jworthington	DESIGNED -	REVISED -
PLOT SCALE = 24,0000' / ft.	DRAWN -	REVISED -
PLOT DATE = 8/17/2020	CHECKED -	REVISED -
	DATE - 08/18/2020	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SUE INVESTIGATION OF UNDERGROUND UTILITIES

SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.
--------	-------	----	--------	------	----	------


F.A./P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-	2020-192-B	WILL	299	124
CONTRACT NO. 62M63				


* FAI 55, FAP 338 | ILLINOIS | FED. AID PROJECT

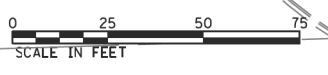
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 D:\62M32-sht-sue-031.dgn
 63907

MATCHLINE SHEET 33

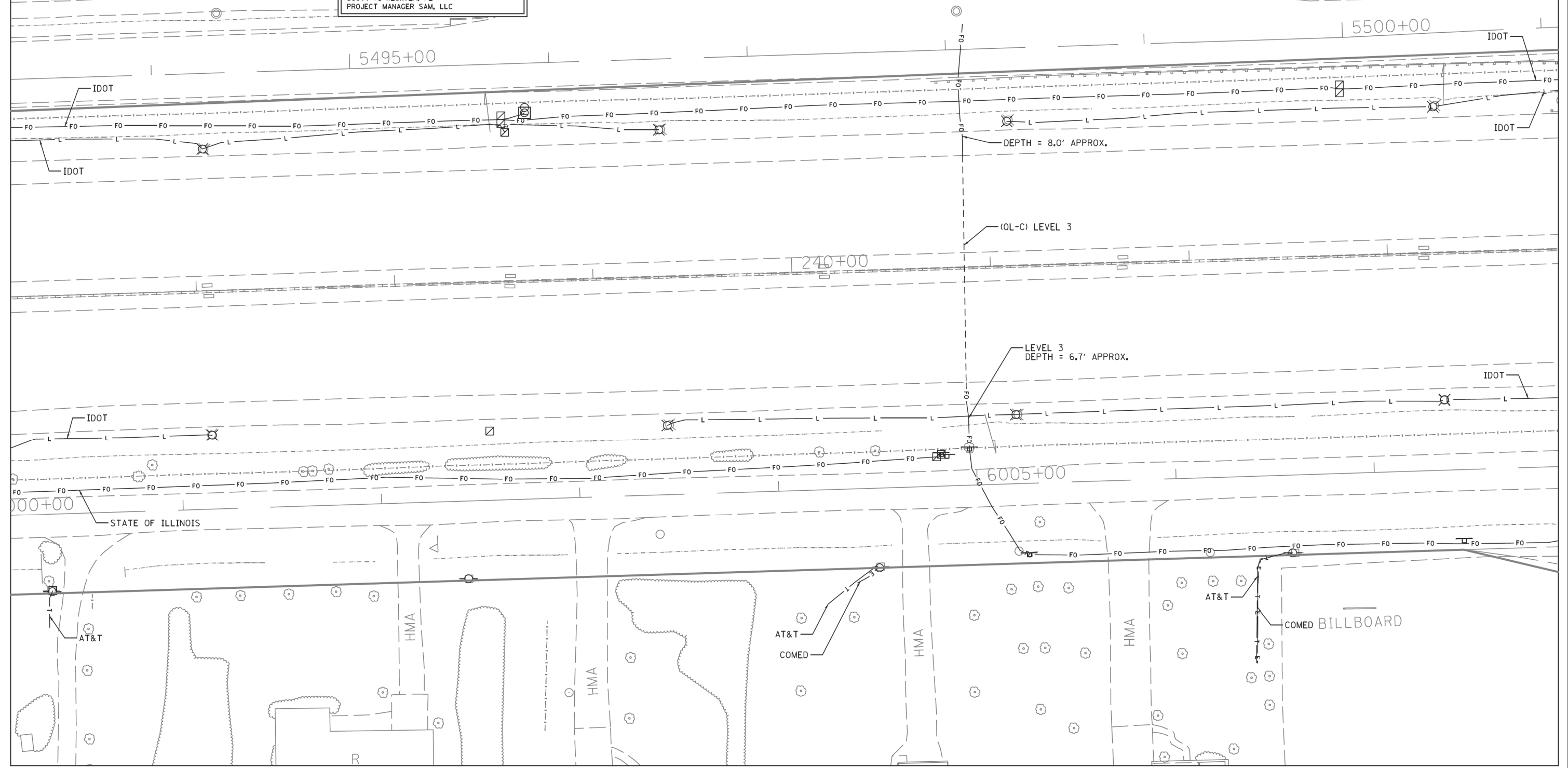
— A — A — A —	AERIAL
— L — L — L —	STREET LIGHTING
— CTV — CTV — CTV —	CABLE TV
— E — E — E —	ELECTRIC
— FO — FO — FO —	FIBER OPTIC
— G — G — G —	GAS
— O — O — O —	OIL
— S — S — S —	SANITARY SEWER
— T — T — T —	TELEPHONE
— U — U — U —	UNKNOWN
— W — W — W —	WATER
- - - - -	(OL-C) / (OL-D)
⊙	SAM TEST HOLE


 I, SCOTT A. WECHTER, CERTIFY TO THE ILLINOIS DEPARTMENT OF TRANSPORTATION THAT THE UTILITY INFORMATION DEPICTED BY SAM, LLC, ON THIS PLAN SHEET WAS OBTAINED AND COMPILED UNDER MY DIRECT SUPERVISION, AND TO THE BEST OF MY KNOWLEDGE, INFORMATION, AND BELIEF, HAS BEEN ACCURATELY PREPARED USING ACCEPTED PRACTICES AND PROCEDURES.
 SCOTT A. WECHTER, PE
 PROJECT MANAGER SAM, LLC
 DATE: 10-30-2018


 897 East Avenue, Manassas, VA 20111
 (703) 861-8000 Fax (703) 861-7057
 info@sam.biz www.sam.biz
 D1155-SUE.DGN Designated By: M.A.
 Scale: 1"=25' Drafted By: P.B.
 Sheet: 32 Checked By: S.W.
 Date: 10-30-2018 1018045281



MATCHLINE SHEET 29



MODEL: Default
FILE: \\ibm\c:\pub\benesch\pwworking\107005\10740_001\Eng_Docs_Adr_Conc\Utilities\162M32-sht-sue-033.dgn


USER NAME = jworthington	DESIGNED -	REVISED -
PLOT SCALE = 24.0000' / ft.	DRAWN -	REVISED -
PLOT DATE = 8/17/2020	CHECKED -	REVISED -
	DATE - 08/18/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUE INVESTIGATION OF UNDERGROUND UTILITIES				
SCALE:	SHEET	OF	SHEETS	STA. TO STA.

F.A./P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
=	2020-192-B	WILL	299	126
CONTRACT NO. 62M63				
* FAI 55, FAP 338 ILLINOIS FED. AID PROJECT				

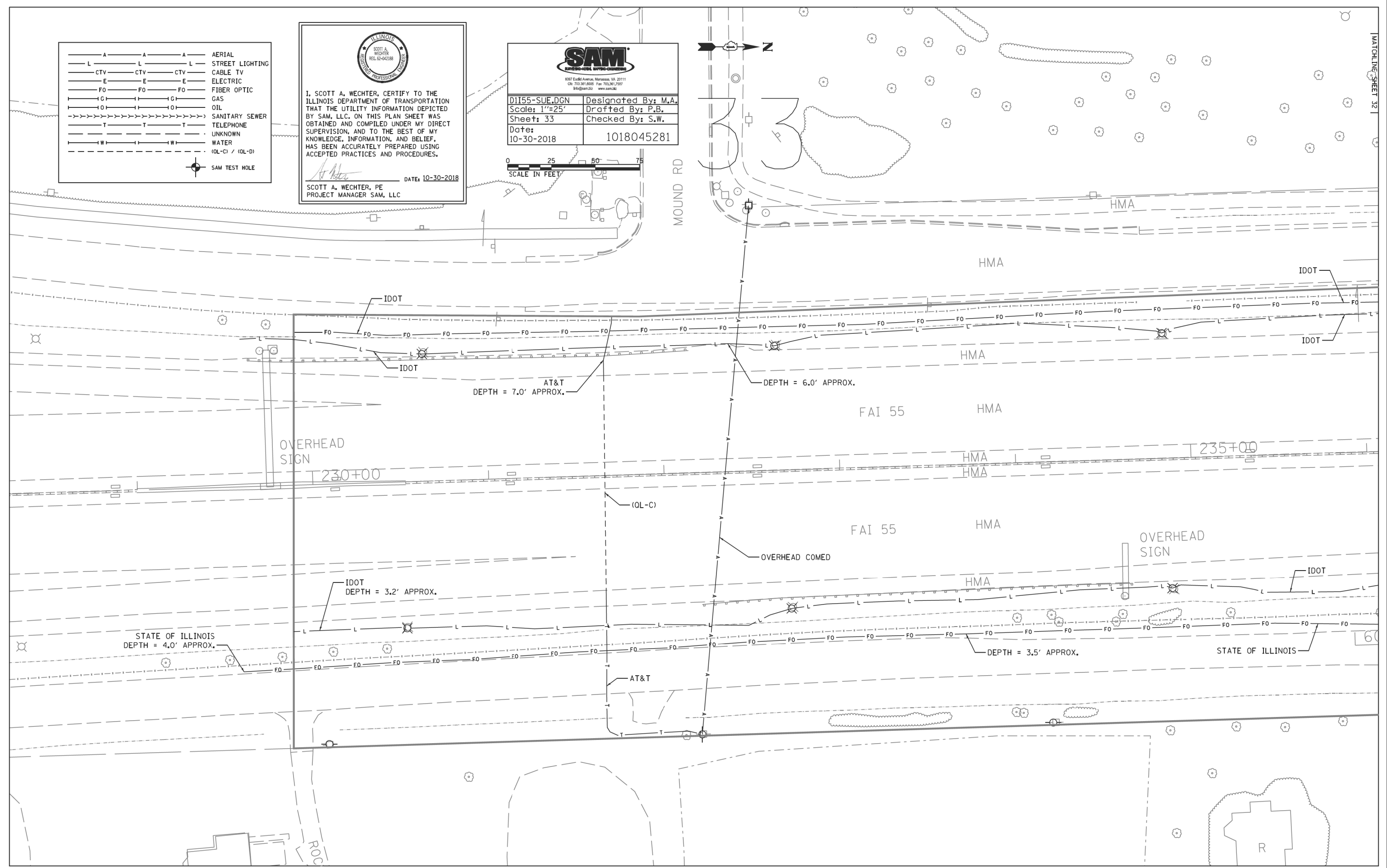
— A — A — A —	AERIAL
— L — L — L —	STREET LIGHTING
— CTV — CTV — CTV —	CABLE TV
— E — E — E —	ELECTRIC
— FO — FO — FO —	FIBER OPTIC
— G — G — G —	GAS
— O — O — O —	OIL
— S — S — S —	SANITARY SEWER
— T — T — T —	TELEPHONE
— U — U — U —	UNKNOWN
— W — W — W —	WATER
— (OL-C) / (OL-D) —	
⊙	SAM TEST HOLE


SCOTT A. WECHTER, PE
 PROJECT MANAGER SAM, LLC
 DATE: 10-30-2018

SAM SURVEYING • CIVIL • UTILITY • DESIGN	
8307 Euclid Avenue, Manassas, VA 20111 Tel: 703.261.8000 Fax: 703.261.7197 info@sam.biz www.sam.biz	
D1155-SUE.DGN	Designated By: M.A.
Scale: 1"=25'	Drafted By: P.B.
Sheet: 33	Checked By: S.W.
Date: 10-30-2018	1018045281



MOUND RD



MODEL: Default
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 D:\162M32-shit-sue-034.dgn
 63907


USER NAME = jworthington	DESIGNED -	REVISED -
PLOT SCALE = 24.0000' / ft.	DRAWN -	REVISED -
PLOT DATE = 8/17/2020	CHECKED -	REVISED -
	DATE - 08/18/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUE INVESTIGATION OF UNDERGROUND UTILITIES	
SCALE:	SHEET OF SHEETS STA. TO STA.

F.A./P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
=	2020-192-B	WILL	299	127
CONTRACT NO. 62M63				
* FAI 55, FAP 338 ILLINOIS FED. AID PROJECT				

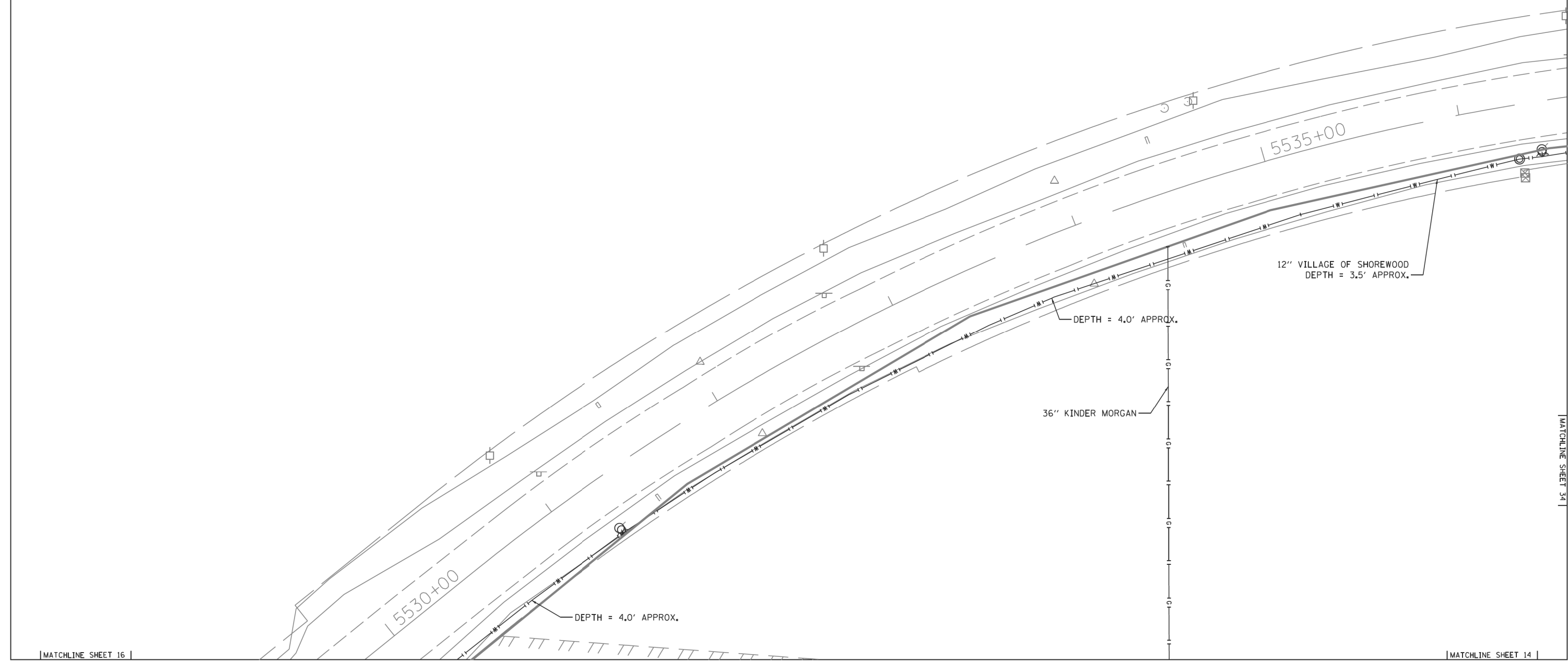
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— L — L — L	STREET LIGHTING
— CTV — CTV — CTV	CABLE TV
— E — E — E	ELECTRIC
— FO — FO — FO	FIBER OPTIC
— G — G — G	GAS
— O — O — O	OIL
—>>>—>>>—>>>	SANITARY SEWER
— T — T — T	TELEPHONE
— — — — —	UNKNOWN
— W — W — W	WATER
— (OL-C) / (OL-D)	
⊙	SAM TEST HOLE


 I, SCOTT A. WECHTER, CERTIFY TO THE ILLINOIS DEPARTMENT OF TRANSPORTATION THAT THE UTILITY INFORMATION DEPICTED BY SAM, LLC, ON THIS PLAN SHEET WAS OBTAINED AND COMPILED UNDER MY DIRECT SUPERVISION, AND TO THE BEST OF MY KNOWLEDGE, INFORMATION, AND BELIEF, HAS BEEN ACCURATELY PREPARED USING ACCEPTED PRACTICES AND PROCEDURES.
 DATE: 10-30-2018
 SCOTT A. WECHTER, PE
 PROJECT MANAGER SAM, LLC

SAM SURVEYING & MAPPING ENGINEERS	
<small>8387 South Avenue, Nokesville, VA 22111 Ole 703.361.8005 Fax 703.361.7587 info@samllc.com www.samllc.com</small>	
D1155-SUE.DGN	Designed By: M.A.
Scale: 1"=25'	Drafted By: P.B.
Sheet: 35	Checked By: S.W.
Date: 10-30-2018	1018045281



35



MATCHLINE SHEET 16

MATCHLINE SHEET 14

MATCHLINE SHEET 34

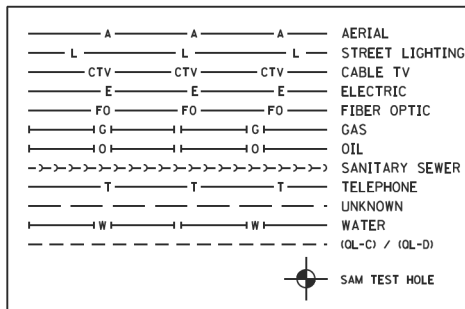

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USER NAME = jworthington	DESIGNED -	REVISED -
PLOT SCALE = 24.0000 ' / ft.	DRAWN -	REVISED -
PLOT DATE = 8/17/2020	CHECKED -	REVISED -
	DATE - 08/18/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUE INVESTIGATION OF UNDERGROUND UTILITIES			
SCALE:	SHEET	OF SHEETS	STA. TO STA.


F.A./P.RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
=	2020-192-B	WILL	299	129
CONTRACT NO. 62M63				
<small>* FAI 55, FAP 338 ILLINOIS FED. AID PROJECT</small>				

I, SCOTT A. WECHTER, CERTIFY TO THE ILLINOIS DEPARTMENT OF TRANSPORTATION THAT THE UTILITY INFORMATION DEPICTED BY SAM, LLC. ON THIS PLAN SHEET WAS OBTAINED AND COMPILED UNDER MY DIRECT SUPERVISION, AND TO THE BEST OF MY KNOWLEDGE, INFORMATION, AND BELIEF, HAS BEEN ACCURATELY PREPARED USING ACCEPTED PRACTICES AND PROCEDURES.

DATE: 10-30-2018

SCOTT A. WECHTER, PE
PROJECT MANAGER SAM, LLC



8387 Ex04 Avenue, Manassas, VA 20111
 Ok: 703.361.0000 Fax: 703.361.7587
 info@sam360.com www.sam360.com

D1155-SUE.DGN	Designed By: M.A.
Scale: 1"=25'	Drafted By: P.B.
Sheet: 36	Checked By: S.W.
Date: 10-30-2018	1018045281



36

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 63907

USER NAME = jworthington	DESIGNED -	REVISED -
PLOT SCALE = 24.0000 ' / ft.	DRAWN -	REVISED -
PLOT DATE = 8/17/2020	CHECKED -	REVISED -
	DATE - 08/18/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUE INVESTIGATION OF UNDERGROUND UTILITIES

SCALE: SHEET OF SHEETS STA. TO STA.

F.A./P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-	2020-192-B	WILL	299	130
CONTRACT NO. 62M63				
* FAI 55, FAP 338 ILLINOIS FED. AID PROJECT				

--- A --- A --- A	AERIAL
--- L --- L --- L	STREET LIGHTING
--- CTV --- CTV --- CTV	CABLE TV
--- E --- E --- E	ELECTRIC
--- FO --- FO --- FO	FIBER OPTIC
--- G --- G --- G	GAS
--- O --- O --- O	OIL
->>>>>>>>>>>>>>>>>>>>>>	SANITARY SEWER
--- T --- T --- T	TELEPHONE
---	UNKNOWN
--- W --- W --- W	WATER
- - - - - (Q-L-C) / (Q-L-D)	
●	SAM TEST HOLE

ILLINOIS
SCOTT A. WECHTER
REG. 02-042388
ENGINEER

I, SCOTT A. WECHTER, CERTIFY TO THE ILLINOIS DEPARTMENT OF TRANSPORTATION THAT THE UTILITY INFORMATION DEPICTED BY SAM, LLC. ON THIS PLAN SHEET WAS OBTAINED AND COMPILED UNDER MY DIRECT SUPERVISION, AND TO THE BEST OF MY KNOWLEDGE, INFORMATION, AND BELIEF, HAS BEEN ACCURATELY PREPARED USING ACCEPTED PRACTICES AND PROCEDURES.

Scott A. Wechter DATE: 10-30-2018
SCOTT A. WECHTER, PE
PROJECT MANAGER SAM, LLC

SAM
SUBSURFACE INVESTIGATING ENGINEERING
8387 Esch Road, Danvers, VA 20111
Tel: 703.341.6095 Fax: 703.341.7887
Programs: www.sam-llc.com

D1155-SUE.DGN	Designated By: M.A.
Scale: 1"=25'	Drafted By: P.B.
Sheet: 37	Checked By: S.W.
Date: 10-30-2018	1018045281



37



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USER: jworthington
DATE: 8/17/2020

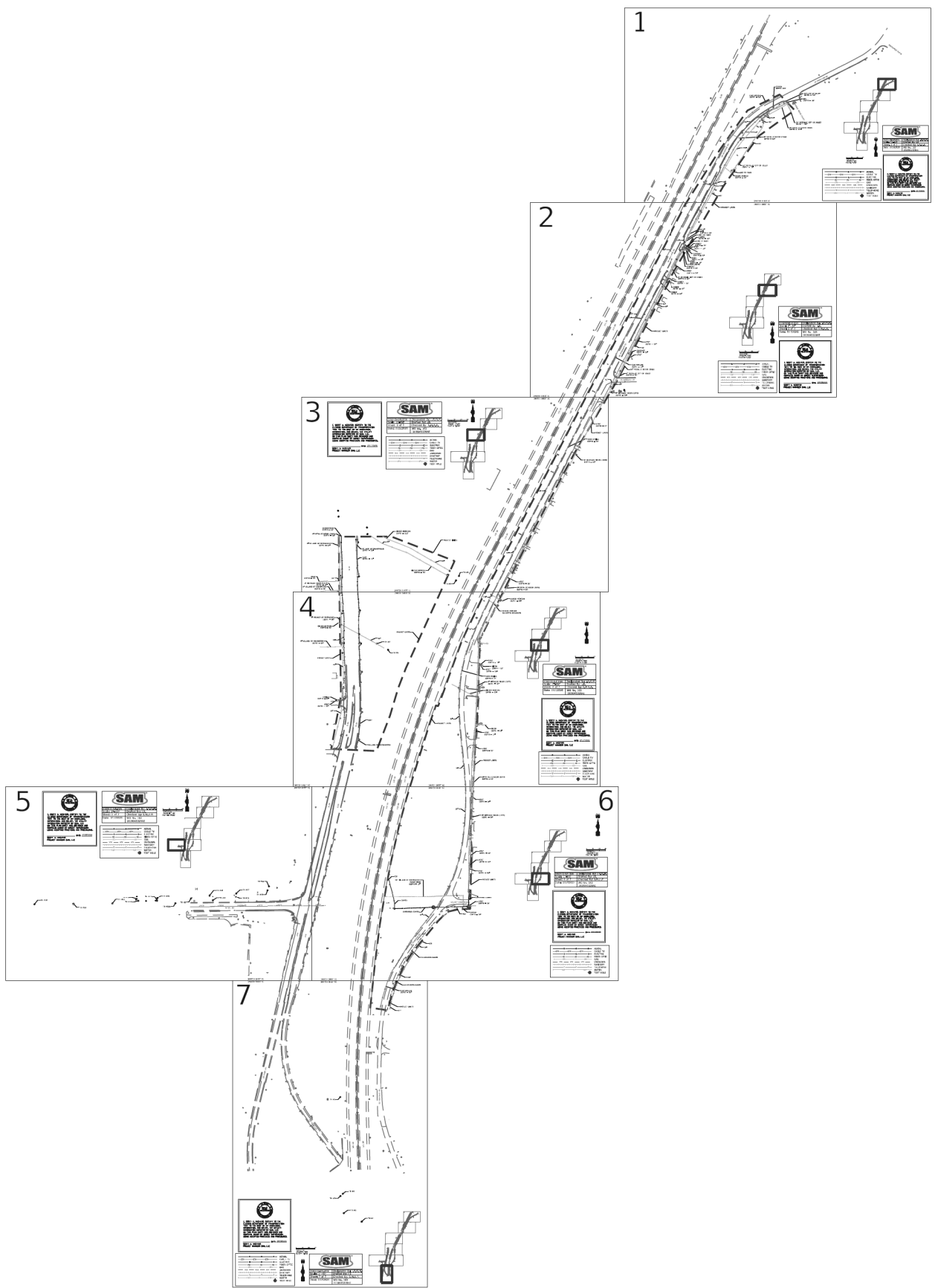
USER NAME = jworthington	DESIGNED -	REVISED -
PLOT SCALE = 24,0000 ' / ft.	DRAWN -	REVISD -
PLOT DATE = 8/17/2020	CHECKED -	REVISD -
	DATE - 08/18/2020	REVISD -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUE INVESTIGATION OF UNDERGROUND UTILITIES

F.A./P.RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-	2020-192-B	WILL	299	131
CONTRACT NO. 62M63				
* FAI 55, FAP 338 ILLINOIS FED. AID PROJECT				

SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.
--------	-------	----	--------	------	----	------



UTILITY OWNERS

AT&T LEGAL MANDATE
ENGINEERING
ATTN: JIM PEONE
1000 COMMERCE DRIVE
544 BROSOK, IL 60523
630-388-3046
US999@ATT.COM

CENTURY, INC.
national@centurylink.com

CITY OF JOLIET
ATTN: JOSE GARCIA
150 W JEFFERSON STREET
JOLIET, IL 60432

COMCAST RECORD NOT RECEIVED
ATTN: MARTHA GIERAS
688 INDUSTRIAL DRIVE
ELMHURST, IL 60126
224-229-5861
Mortna.Gieras@comcast.com

COMED
PlanSubmittal@aon.com
Request@seveloncorp.com

MC/VERIZON BUSINESS
Investigation@verizon.com

NICOR GAS
ATTN: MR. CHARLES PARROTT
1844 FERRY ROAD
NAPerville, IL 60563
630-399-3319
cparr311@ogresources.com

LEGEND

ALL UTILITY INFORMATION HEREON IS DEPICTED TO QUALITY LEVEL "B" (QL-B) UNLESS OTHERWISE NOTED. QL-B INFORMATION IS OBTAINED THROUGH THE APPLICATION OF APPROPRIATE SURFACE GEOPHYSICAL METHODS TO IDENTIFY THE EXISTENCE AND APPROXIMATE HORIZONTAL POSITION OF SUBSURFACE UTILITIES. QL-B DATA ARE REPRODUCIBLE BY SURFACE GEOPHYSICS AT ANY POINT OF THEIR DEPICTION. THIS INFORMATION IS SURVEYED TO APPLICABLE TOLERANCES AND REDUCED ONTO PLAN DOCUMENTS.

ABBREVIATIONS:

(QL-A) TH (TEST HOLE) - SEE TEST HOLE REPORTS FOR ADDITIONAL INFORMATION

(QL-C) DEPICTED ACCORDING TO RECORD INFORMATION AND EXISTING ASSOCIATED UTILITY STRUCTURES. NO ELECTRONIC INFORMATION WAS OBTAINED.

(QL-D) DEPICTED ACCORDING TO RECORD INFORMATION. NO ELECTRONIC INFORMATION WAS OBTAINED.

(IDATF) DEPICTED ACCORDING TO FIELD INSPECTION

(FO) FIBER OPTIC

(AATUR) ABANDONED ACCORDING TO UTILITY RECORDS

(AATFI) ABANDONED ACCORDING TO FIELD INSPECTION

(EATFI) EMPTY ACCORDING TO FIELD INSPECTION

EDI END OF ELECTRONIC DESIGNATING INFORMATION

EDRI END OF UTILITY RECORD INFORMATION

(NAC) NO ASSOCIATED CABLE FOUND FROM UTILITY STRUCTURE

(NAP) NO ASSOCIATED PIPING FOUND FROM UTILITY STRUCTURE

(ATW) ATTACHED TO WALL

(ATB) ATTACHED TO BRIDGE

— UTILITY ENDPOINT

UNLESS OTHERWISE NOTED, UTILITY LINE LIMITS DEPICTED REPRESENT FIELD DESIGNATING LIMITS AND NOT ENDPOINTS OF UTILITIES.

UTILITY INFORMATION LABELED "QL-C" OR "QL-D" IS DERIVED FROM FURNISHED RECORDS. SUCH INFORMATION MAY NOT BE ACCURATE OR RELIABLE. SAM, LLC EXPRESSLY DISCLAIMS RESPONSIBILITY FOR THE ACCURACY OR RELIABILITY OF UTILITY INFORMATION DEPICTED ACCORDING TO RECORDS.

ELECTRONIC DEPTH READINGS WERE TAKEN DIRECTLY FROM ELECTRONIC DESIGNATION INSTRUMENTS AND HAVE NOT BEEN VERIFIED BY ANY OTHER MEANS. EQUIPMENT MANUFACTURERS' DATA IS NOT GUARANTEED AND ACCURACY FOR THIS DATA, THEREFORE, THE DEPTH READINGS ARE NOT TO BE CONSIDERED SUITABLE FOR DESIGN DECISIONS. SAM, LLC DOES NOT WARRANT OR GUARANTEE THE ACCURACY OF RELIABILITY OF ANY ELECTRONIC DEPTH READINGS.

D162H15-SUE.DGN Designated By: J.P./G.M.
Cover Sheet Drafted By: J.B.
Date: 7/17/2020 Checked By: S.W./L.P.
WO No. 163
1018045328AE

I, SCOTT A. WECHTER, CERTIFY TO THE ILLINOIS DEPARTMENT OF TRANSPORTATION THAT TO THE BEST OF MY KNOWLEDGE, INFORMATION, AND BELIEF, THE UTILITY INFORMATION DEPICTED BY SAM, LLC ON THIS PLAN SHEET WAS OBTAINED AND COMPILED UNDER MY DIRECT SUPERVISION USING ACCEPTED PRACTICES AND PROCEDURES.

DATE: 02/12/2020
SCOTT A. WECHTER
PROJECT MANAGER SAM, LLC

USER NAME = UNTITLED	DESIGNED - J.P./L.P.	REVISED -
DRAWN - J.B.	REVISED -	
PLOT SCALE = 1"=50'	CHECKED - S.W./L.P.	REVISED -
PLOT DATE = 7/17/2020	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**WO#163 - 62H15
ADDITIONAL SUE & POT HOLES**

SCALE: 1"=50' SHEET 0 OF 7 SHEETS STA. 280+00 TO STA. 330+50

F.A./RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		WILL	7	0
CONTRACT NO. D162H15				
ILLINOIS FED. AID PROJECT				

USER NAME = jworthington	DESIGNED -	REVISED -
DRAWN -	REVISED -	
PLOT SCALE = 24,0000' / ft.	CHECKED -	REVISED -
PLOT DATE = 8/17/2020	DATE - 08/18/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

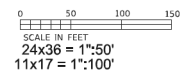
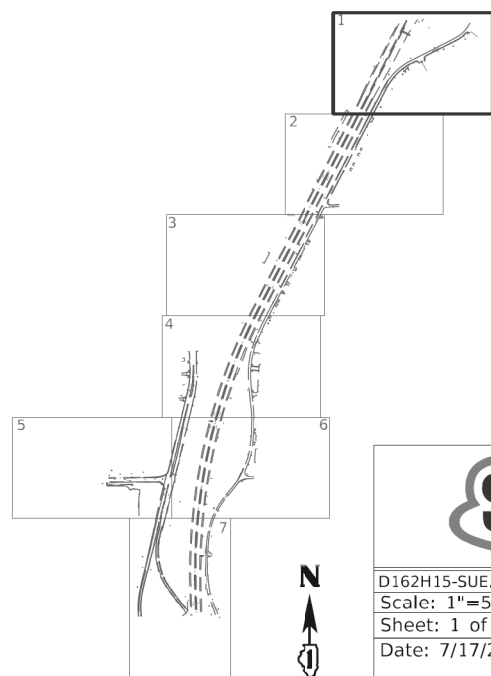
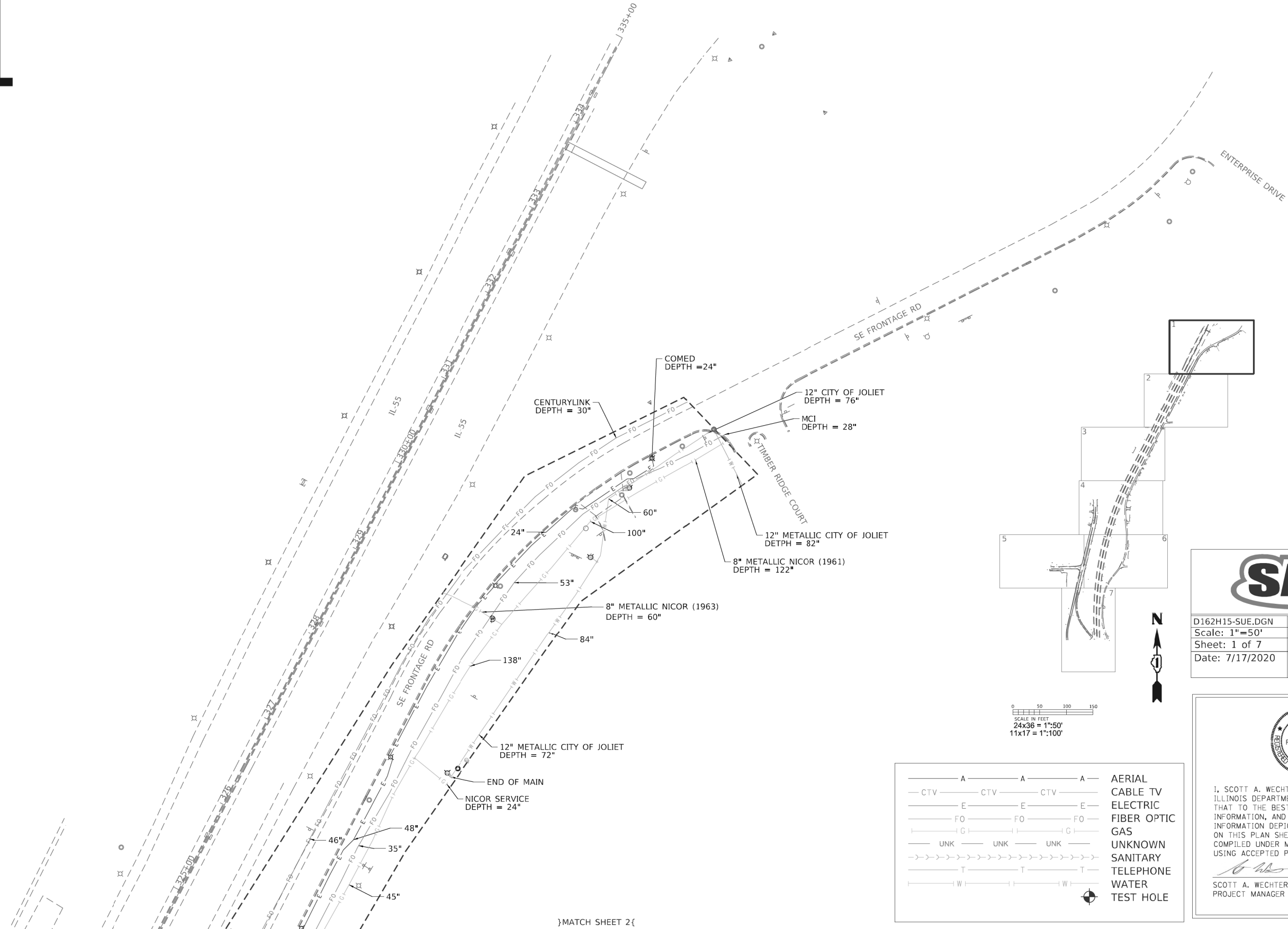
SUE INVESTIGATION OF UNDERGROUND UTILITIES

SCALE: SHEET OF SHEETS STA. TO STA.


F.A./RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2020-192-B	WILL	299	133
CONTRACT NO. 62M63				
* FAI 55, FAP 338 ILLINOIS FED. AID PROJECT				

MODEL: Default
FILE: Model.ctb
D:\162M32-sht-sue-040.dgn
63907

1



— A —	A	A	A	AERIAL
— CTV —	CTV	CTV	CTV	CABLE TV
— E —	E	E	E	ELECTRIC
— FO —	FO	FO	FO	FIBER OPTIC
— G —	G	G	G	GAS
— UNK —	UNK	UNK	UNK	UNKNOWN
— S —	S	S	S	SANITARY
— T —	T	T	T	TELEPHONE
— W —	W	W	W	WATER
— (Symbol) —				TEST HOLE



D162H15-SUE.DGN	Designated By: J.P./G.M.
Scale: 1"=50'	Drafted By: J.B.
Sheet: 1 of 7	Checked By: S.W./L.P.
Date: 7/17/2020	WO No. 163
	1018045328AE



I, SCOTT A. WECHTER, CERTIFY TO THE ILLINOIS DEPARTMENT OF TRANSPORTATION THAT TO THE BEST OF MY KNOWLEDGE, INFORMATION, AND BELIEF, THE UTILITY INFORMATION DEPICTED BY SAM, LLC, ON THIS PLAN SHEET WAS OBTAINED AND COMPILED UNDER MY DIRECT SUPERVISION USING ACCEPTED PRACTICES AND PROCEDURES.

Scott A. Wechter DATE: 07/17/2020
 SCOTT A. WECHTER
 PROJECT MANAGER SAM, LLC

}MATCH SHEET 2{

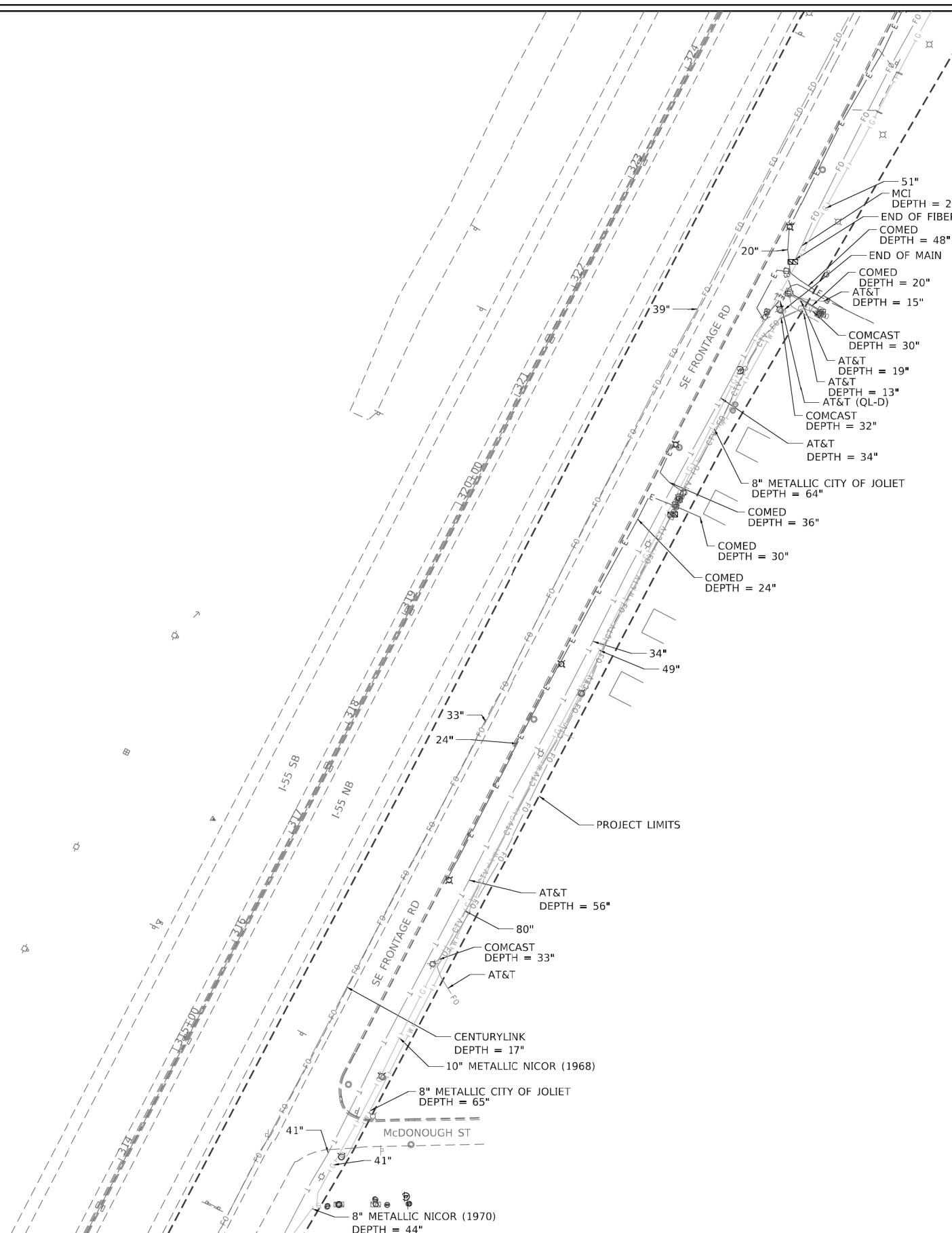
USER NAME = UNTITLED PLOT SCALE = 1"=50' PLOT DATE = 7/17/2020	DESIGNED - J.P./L.P. DRAWN - J.B. CHECKED - S.W./L.P. DATE - 7/17/2020	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	WO#163 - 62H15 ADDITIONAL SUE & POT HOLES	F.A./RTE. SECTION COUNTY TOTAL SHEETS SHEET NO. WILL 7 1 CONTRACT NO. D162H15	
	USER NAME = jworthington PLOT SCALE = 24.0000' / ft. PLOT DATE = 8/17/2020	DESIGNED - DRAWN - CHECKED - DATE - 08/18/2020			REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
			SCALE: 1"=50'	SHEET 1 OF 7 SHEETS	STA. 325+00 TO STA. 331+00	ILLINOIS FED. AID PROJECT
			SCALE:	SHEET OF SHEETS	STA. TO STA.	F.A./RTE. SECTION COUNTY TOTAL SHEETS SHEET NO. * FAI 55, FAP 338 ILLINOIS FED. AID PROJECT

MODEL: Default
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 63907

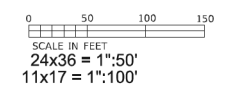
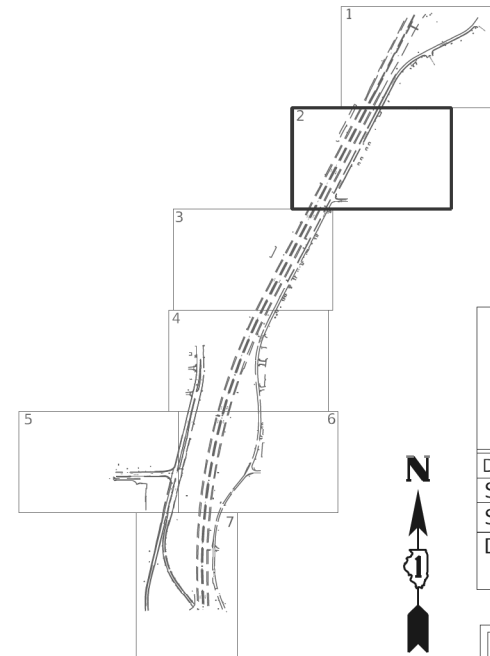
2

}MATCH SHEET 1{

PROJECT LIMITS



- 51" MCI DEPTH = 25"
- END OF FIBER
- COMED DEPTH = 48"
- END OF MAIN
- COMED DEPTH = 20"
- AT&T DEPTH = 15"
- COMCAST DEPTH = 30"
- AT&T DEPTH = 19"
- AT&T DEPTH = 13"
- AT&T (OL-D)
- COMCAST DEPTH = 32"
- AT&T DEPTH = 34"
- 8" METALLIC CITY OF JOLIET DEPTH = 64"
- COMED DEPTH = 36"
- COMED DEPTH = 30"
- COMED DEPTH = 24"
- 39"
- 34"
- 49"
- 33"
- 24"
- AT&T DEPTH = 56"
- 80"
- COMCAST DEPTH = 33"
- AT&T
- CENTURYLINK DEPTH = 17"
- 10" METALLIC NICOR (1968)
- 8" METALLIC CITY OF JOLIET DEPTH = 65"
- McDONOUGH ST
- 41"
- 41"
- 8" METALLIC NICOR (1970) DEPTH = 44"



— A — A — A —	AERIAL
— CTV — CTV — CTV —	CABLE TV
— E — E — E —	ELECTRIC
— FO — FO — FO —	FIBER OPTIC
— G — G — G —	GAS
— UNK — UNK — UNK —	UNKNOWN
— S — S — S —	SANITARY
— T — T — T —	TELEPHONE
— W — W — W —	WATER
— (Symbol) — (Symbol) — (Symbol) —	TEST HOLE



D162H15-SUE.DGN	Designated By: J.P./G.M.
Scale: 1"=50'	Drafted By: J.B.
Sheet: 2 of 7	Checked By: S.W./L.P.
Date: 7/17/2020	WO No. 163 1018045328AE



I, SCOTT A. WECHTER, CERTIFY TO THE ILLINOIS DEPARTMENT OF TRANSPORTATION THAT TO THE BEST OF MY KNOWLEDGE, INFORMATION, AND BELIEF, THE UTILITY INFORMATION DEPICTED BY SAM, LLC, ON THIS PLAN SHEET WAS OBTAINED AND COMPILED UNDER MY DIRECT SUPERVISION USING ACCEPTED PRACTICES AND PROCEDURES.

Scott A. Wechter DATE: 07/17/2020
SCOTT A. WECHTER
PROJECT MANAGER SAM, LLC

USER NAME = UNTITLED	DESIGNED - J.P./L.P.	REVISED -
PLOT SCALE = 1"=50'	DRAWN - J.B.	REVISED -
PLOT DATE = 7/17/2020	CHECKED - S.W./L.P.	REVISED -
	DATE - 7/17/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**WO#163 - 62H15
ADDITIONAL SUE & POT HOLES**

SCALE: 1"=50' SHEET 2 OF 7 SHEETS STA. 313+00 TO STA. 325+00

F.A./P.RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		WILL	7	2
CONTRACT NO. D162H15				
ILLINOIS FED. AID PROJECT				

USER NAME = jworthington	DESIGNED -	REVISED -
PLOT SCALE = 24.0000' / ft.	DRAWN -	REVISED -
PLOT DATE = 8/17/2020	CHECKED -	REVISED -
	DATE - 08/18/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

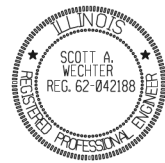
SUE INVESTIGATION OF UNDERGROUND UTILITIES

SCALE: SHEET OF SHEETS STA. TO STA.

F.A./P.RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2020-192-B	WILL	299	135
CONTRACT NO. 62M63				
* FAI 55, FAP 338 ILLINOIS FED. AID PROJECT				

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3



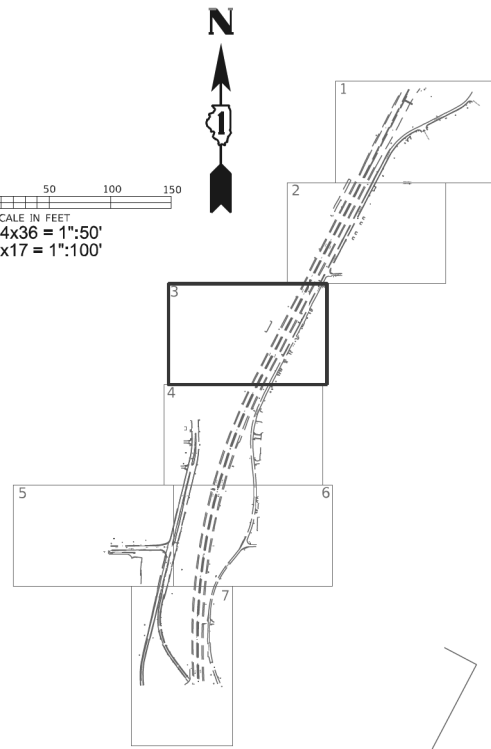
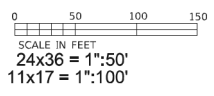
I, SCOTT A. WECHTER, CERTIFY TO THE ILLINOIS DEPARTMENT OF TRANSPORTATION THAT TO THE BEST OF MY KNOWLEDGE, INFORMATION, AND BELIEF, THE UTILITY INFORMATION DEPICTED BY SAM, LLC, ON THIS PLAN SHEET WAS OBTAINED AND COMPILED UNDER MY DIRECT SUPERVISION USING ACCEPTED PRACTICES AND PROCEDURES.

DATE: 07/17/2020
 SCOTT A. WECHTER
 PROJECT MANAGER SAM, LLC



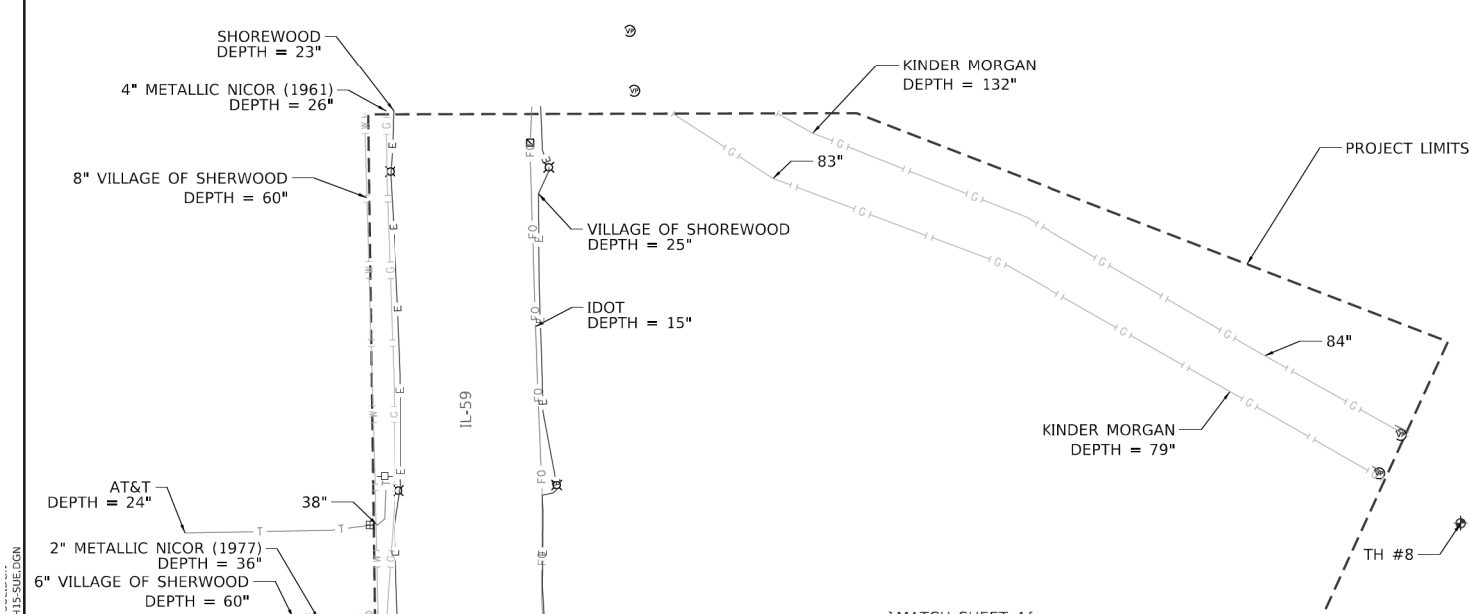
D162H15-SUE.DGN Designated By: J.P./G.M.
 Scale: 1"=50' Drafted By: J.B.
 Sheet: 3 of 7 Checked By: S.W./L.P.
 Date: 7/15/2020 WO No. 163
 1018045328AE

— A — A — A	AERIAL
— CTV — CTV — CTV	CABLE TV
— E — E — E	ELECTRIC
— FO — FC — FO	FIBER OPTIC
— G — G — G	GAS
— UNK — UNK — UNK	UNKNOWN
— T — T — T	SANITARY
— W — W — W	TELEPHONE
— T — T — T	WATER
— T — T — T	TEST HOLE

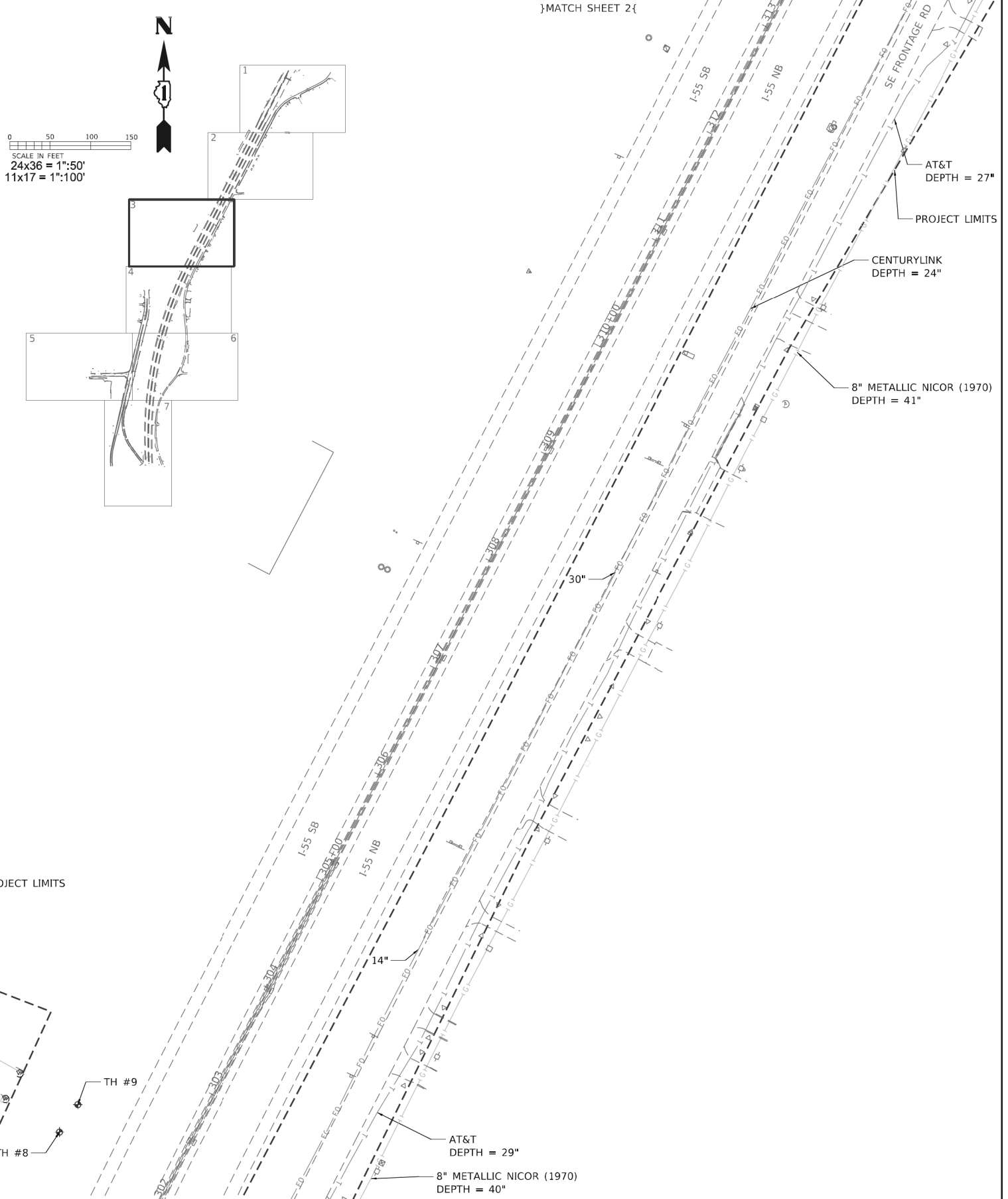


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}MATCH SHEET 4{



USER NAME = jntitled	DESIGNED - J.P./L.P.	REVISED -
PLOT SCALE = 1"=50'	DRAWN - J.B.	REVISED -
PLOT DATE = 7/17/2020	CHECKED - S.W./L.P.	REVISED -
	DATE - 7/17/2020	REVISED -
USER NAME = jworthington	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 24.0000' / ft.	CHECKED -	REVISED -
PLOT DATE = 8/17/2020	DATE - 08/18/2020	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**WO#163 - 62H15
 ADDITIONAL SUE & POT HOLES**

SCALE: 1"=50' SHEET 3 OF 7 SHEETS STA. 302+00 TO STA. 313+00

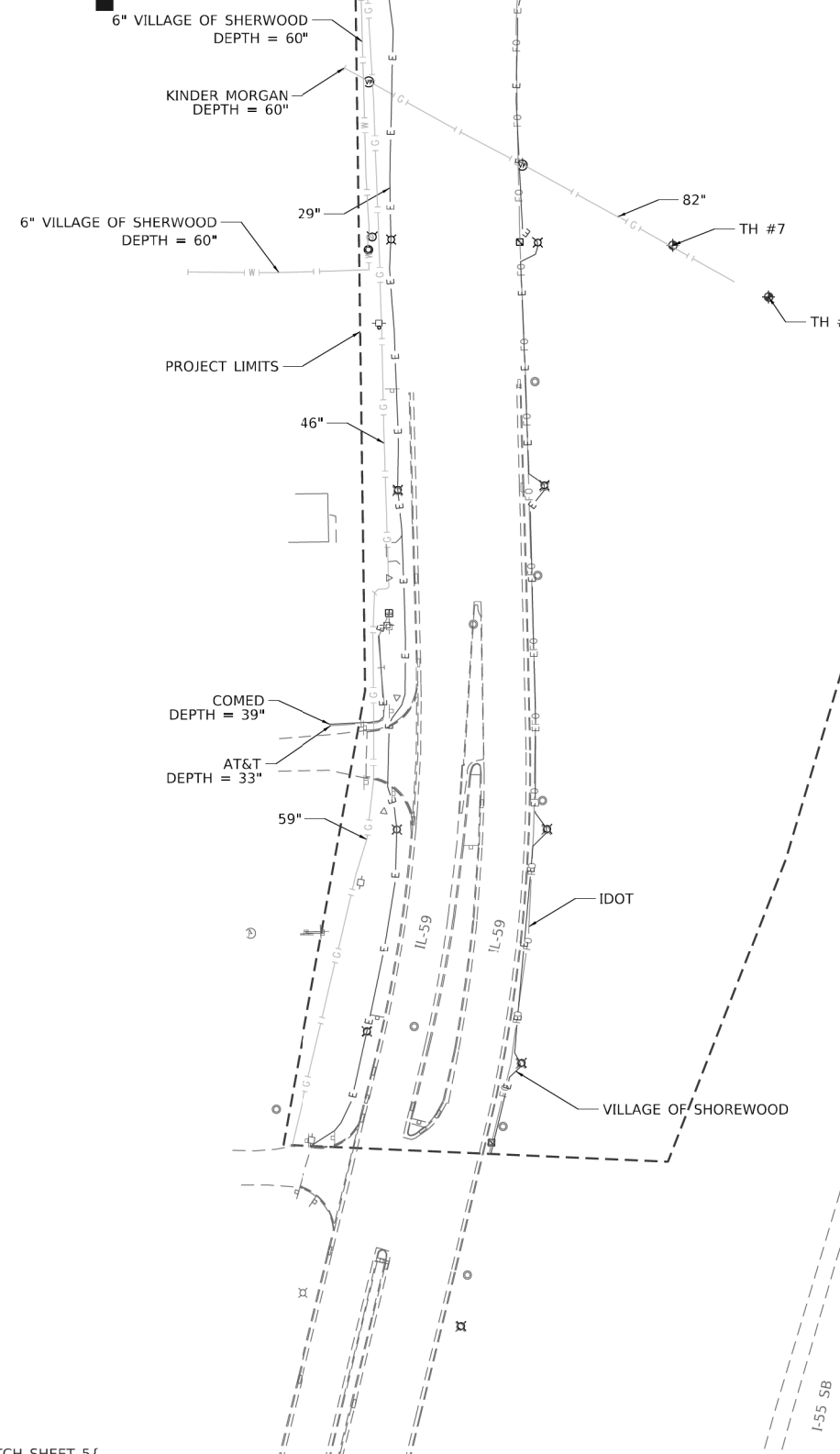
SUE INVESTIGATION OF UNDERGROUND UTILITIES

SCALE: SHEET OF SHEETS STA. TO STA.

F.A./RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		WILL	7	3
CONTRACT NO. D162H15				
ILLINOIS FED. AID PROJECT				
F.A./RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2020-192-B	WILL	299	136
CONTRACT NO. 62M63				
* FAI 55, FAP 338 ILLINOIS FED. AID PROJECT				

4

}MATCH SHEET 3{



PROJECT LIMITS

TH #7

TH #6

COMED
DEPTH = 39"

AT&T
DEPTH = 33"

IDOT

VILLAGE OF SHOREWOOD

}MATCH SHEET 6{

KINDER MORGAN
DEPTH = 96"

KINDER MORGAN
NO DEPTH RECORDED

AT&T
DEPTH = 11"

NICOR
DEPTH = 32"
AT&T
DEPTH = 10"

CENTURYLINK
DEPTH = 27"

8" METALLIC NICOR (1977)
DEPTH = 72"

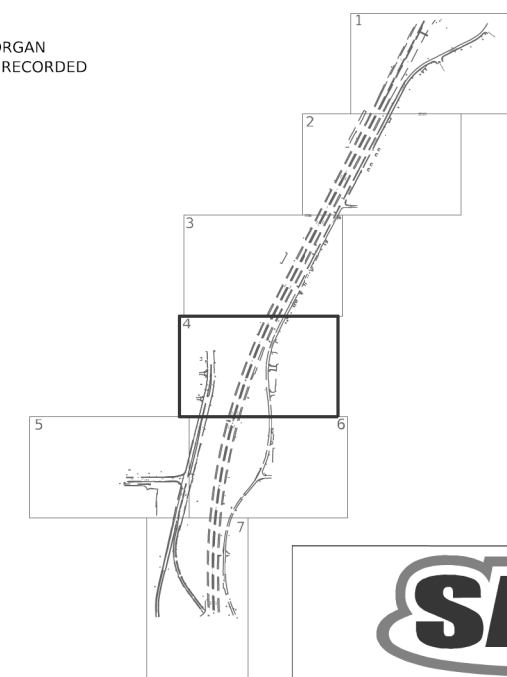
KINDER MORGAN
DEPTH = 72"

NICOR
DEPTH = 31"

AT&T
DEPTH = 37"

AT&T
DEPTH = 32"

8" METALLIC NICOR (1977)
DEPTH = 44"



SCALE IN FEET
24x36 = 1"=50'
11x17 = 1"=100'



D162H15-SUE.DGN	Designated By: J.P./G.M.
Scale: 1"=50'	Drafted By: J.B.
Sheet: 4 of 7	Checked By: S.W./L.P.
Date: 7/17/2020	WO No. 163
	1018045328AE



I, SCOTT A. WECHTER, CERTIFY TO THE ILLINOIS DEPARTMENT OF TRANSPORTATION THAT TO THE BEST OF MY KNOWLEDGE, INFORMATION, AND BELIEF, THE UTILITY INFORMATION DEPICTED BY SAM, LLC, ON THIS PLAN SHEET WAS OBTAINED AND COMPILED UNDER MY DIRECT SUPERVISION USING ACCEPTED PRACTICES AND PROCEDURES.

DATE: 07/17/2020
SCOTT A. WECHTER
PROJECT MANAGER SAM, LLC

— A —	— A —	— A —	AERIAL
— CTV —	— CTV —	— CTV —	CABLE TV
— E —	— E —	— E —	ELECTRIC
— FO —	— FO —	— FO —	FIBER OPTIC
— G —	— G —	— G —	GAS
— UNK —	— UNK —	— UNK —	UNKNOWN
— S —	— S —	— S —	SANITARY
— T —	— T —	— T —	TELEPHONE
— W —	— W —	— W —	WATER
—	—	—	TEST HOLE

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USER NAME = UNTITLED	DESIGNED - J.P./L.P.	REVISED -
PLOT SCALE = 1"=50'	DRAWN - J.B.	REVISED -
PLOT DATE = 7/17/2020	CHECKED - S.W./L.P.	REVISED -
	DATE - 7/17/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**WO#163 - 62H15
ADDITIONAL SUE & POT HOLES**

SCALE: 1"=50' SHEET 4 OF 7 SHEETS STA. 291+00 TO STA. 302+00

F.A./RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		WILL	7	4
CONTRACT NO. D162H15				
ILLINOIS FED. AID PROJECT				

USER NAME = jworthington	DESIGNED -	REVISED -
PLOT SCALE = 24,0000' / ft.	DRAWN -	REVISED -
PLOT DATE = 8/17/2020	CHECKED -	REVISED -
	DATE - 08/18/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUE INVESTIGATION OF UNDERGROUND UTILITIES

SCALE: SHEET OF SHEETS STA. TO STA.

F.A./RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2020-192-B	WILL	299	137
CONTRACT NO. 62M63				
* FAI 55, FAP 338 ILLINOIS FED. AID PROJECT				

5



I, SCOTT A. WECHTER, CERTIFY TO THE ILLINOIS DEPARTMENT OF TRANSPORTATION THAT TO THE BEST OF MY KNOWLEDGE, INFORMATION, AND BELIEF, THE UTILITY INFORMATION DEPICTED BY SAM, LLC, ON THIS PLAN SHEET WAS OBTAINED AND COMPILED UNDER MY DIRECT SUPERVISION USING ACCEPTED PRACTICES AND PROCEDURES.

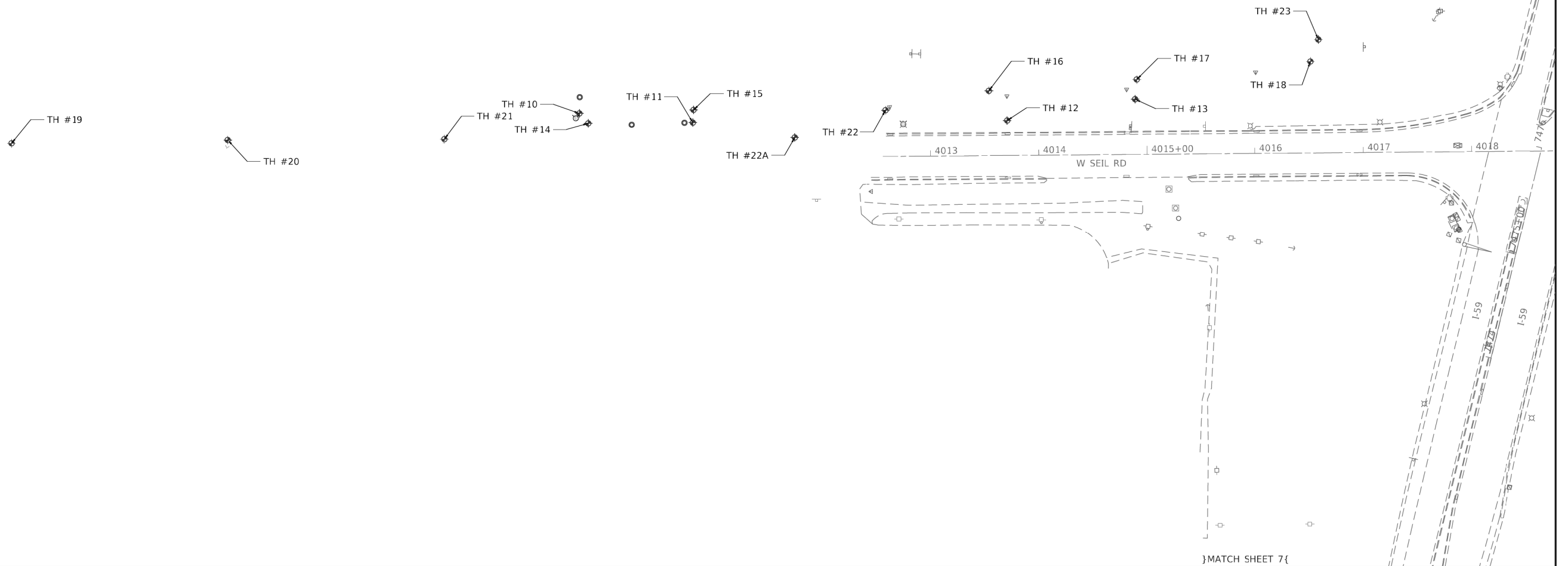
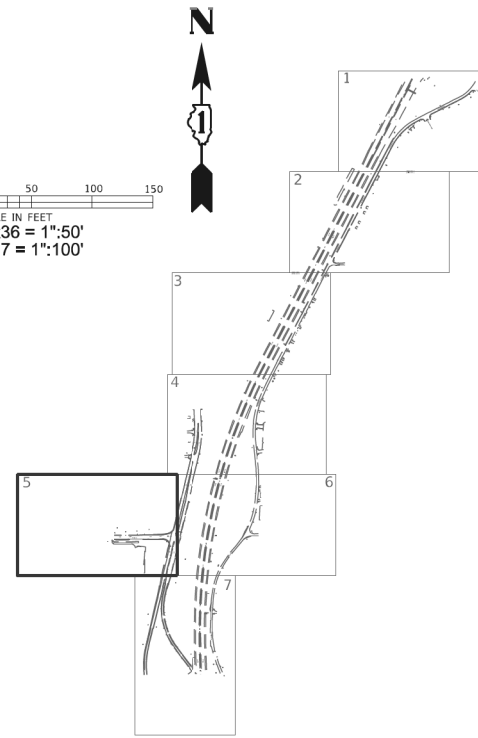
DATE: 07/17/2020
 SCOTT A. WECHTER
 PROJECT MANAGER SAM, LLC



D162H15-SUE.DGN Designated By: J.P./G.M.
 Scale: 1"=50' Drafted By: J.B.
 Sheet: 5 of 7 Checked By: S.W./L.P.
 Date: 7/17/2020 WO No. 163
 1018045328AE

— A — A — A — AERIAL
 — CTV — CTV — CTV — CABLE TV
 — E — E — E — ELECTRIC
 — FO — FO — FO — FIBER OPTIC
 — G — G — G — GAS
 — UNK — UNK — UNK — UNKNOWN
 —>>>—>>>—>>>— SANITARY
 — T — T — T — TELEPHONE
 — W — W — W — WATER
 —●— TEST HOLE

SCALE IN FEET
 0 50 100 150
 24x36 = 1"=50'
 11x17 = 1"=100'



}MATCH SHEET 7{

USER NAME = UNTITLED	DESIGNED - J.P./L.P.	REVISED -
PLOT SCALE = 1"=50'	DRAWN - J.B.	REVISED -
PLOT DATE = 7/17/2020	CHECKED - S.W./L.P.	REVISED -
	DATE - 7/17/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WO#163 - 62H15
ADDITIONAL SUE & POT HOLES
 SCALE: 1"=50' SHEET 5 OF 7 SHEETS STA. 4013+00 TO STA. 4019+00

F.A./RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		WILL	7	5
CONTRACT NO. D162H15				
ILLINOIS FED. AID PROJECT				

USER NAME = jworthington	DESIGNED -	REVISED -
PLOT SCALE = 24,0000 ' / ft.	DRAWN -	REVISED -
PLOT DATE = 8/17/2020	CHECKED -	REVISED -
	DATE - 08/18/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUE INVESTIGATION OF UNDERGROUND UTILITIES
 SCALE: SHEET OF SHEETS STA. TO STA.

F.A./RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2020-192-B	WILL	299	138
CONTRACT NO. 62M63				
* FAI 55, FAP 338 ILLINOIS FED. AID PROJECT				

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}MATCH SHEET 4{

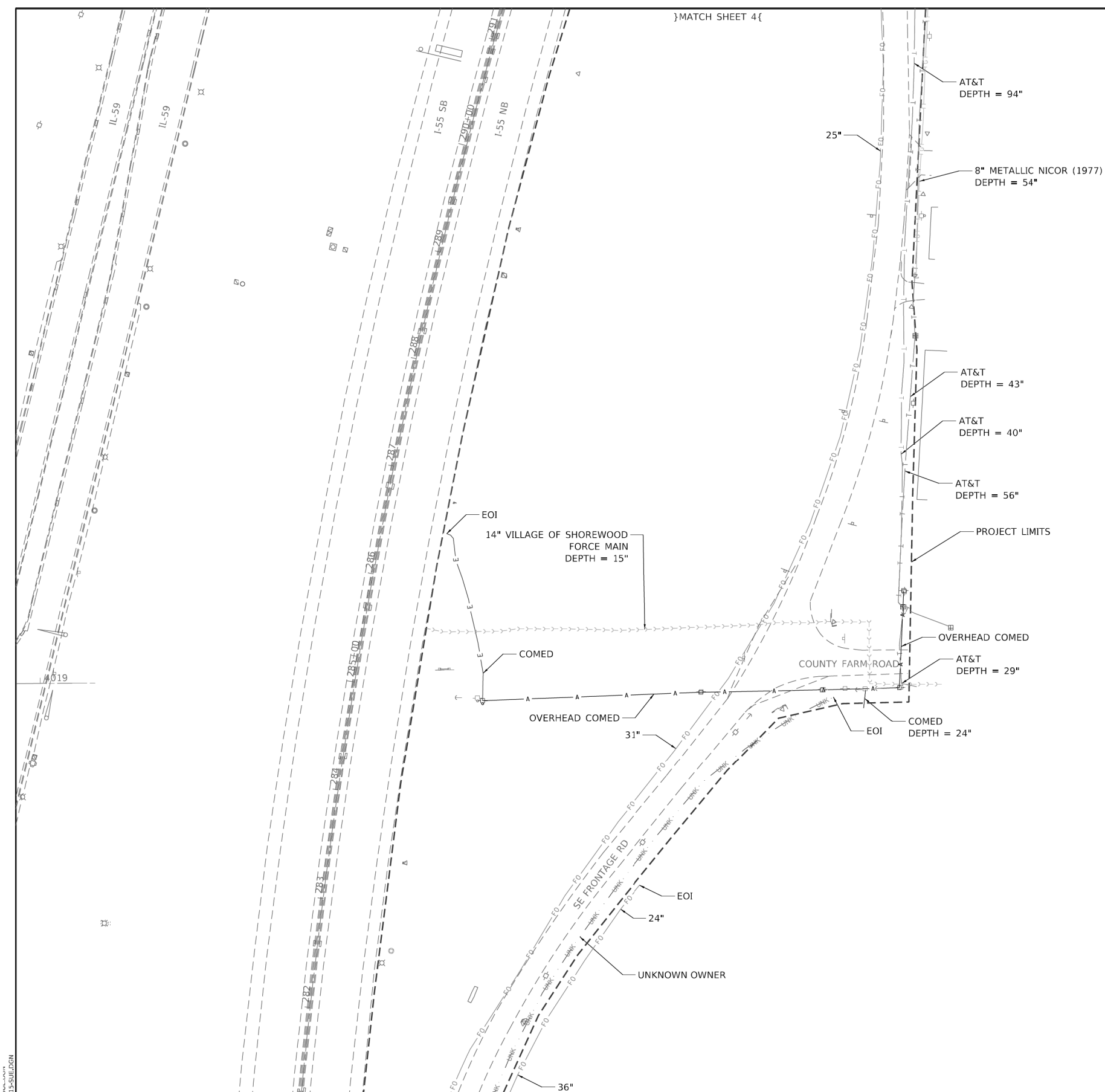
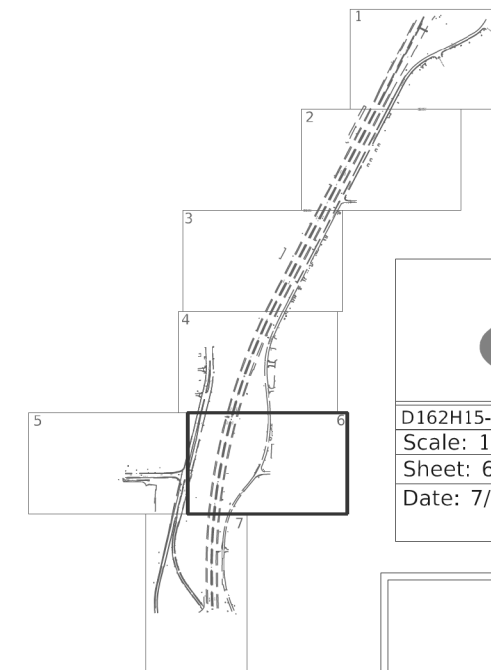
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SCALE IN FEET
0 50 100 150
24x36 = 1"=50'
11x17 = 1"=100'



D162H15-SUE.DGN	Designated By: J.P./G.M.
Scale: 1"=50'	Drafted By: J.B.
Sheet: 6 of 7	Checked By: S.W./L.P.
Date: 7/17/2020	WO No. 163 1018045328AE



}MATCH SHEET 7{



I, SCOTT A. WECHTER, CERTIFY TO THE ILLINOIS DEPARTMENT OF TRANSPORTATION THAT TO THE BEST OF MY KNOWLEDGE, INFORMATION, AND BELIEF, THE UTILITY INFORMATION DEPICTED BY SAM, LLC. ON THIS PLAN SHEET WAS OBTAINED AND COMPILED UNDER MY DIRECT SUPERVISION USING ACCEPTED PRACTICES AND PROCEDURES.

Scott A. Wechter DATE: 07/17/2020
SCOTT A. WECHTER
PROJECT MANAGER SAM, LLC

A	A	A	AERIAL
CTV	CTV	CTV	CABLE TV
E	E	E	ELECTRIC
FO	FO	FO	FIBER OPTIC
G	G	G	GAS
UNK	UNK	UNK	UNKNOWN
T	T	T	SANITARY
W	W	W	TELEPHONE
			WATER
			TEST HOLE

USER NAME = UNTITLED	DESIGNED - J.P./L.P.	REVISED -
PLOT SCALE = 1"=50'	DRAWN - J.B.	REVISED -
PLOT DATE = 7/17/2020	CHECKED - S.W./L.P.	REVISED -
	DATE - 7/17/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WO#163 - 62H15
ADDITIONAL SUE & POT HOLES

SCALE: 1"=50' SHEET 6 OF 7 SHEETS STA. 281+00 TO STA. 291+00

F.A./RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		WILL	7	6
CONTRACT NO. D162H15				
ILLINOIS FED. AID PROJECT				

USER NAME = jworthington	DESIGNED -	REVISED -
PLOT SCALE = 24,0000' / ft.	DRAWN -	REVISED -
PLOT DATE = 8/17/2020	CHECKED -	REVISED -
	DATE - 08/18/2020	REVISED -

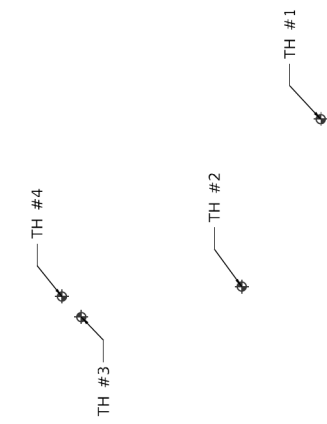
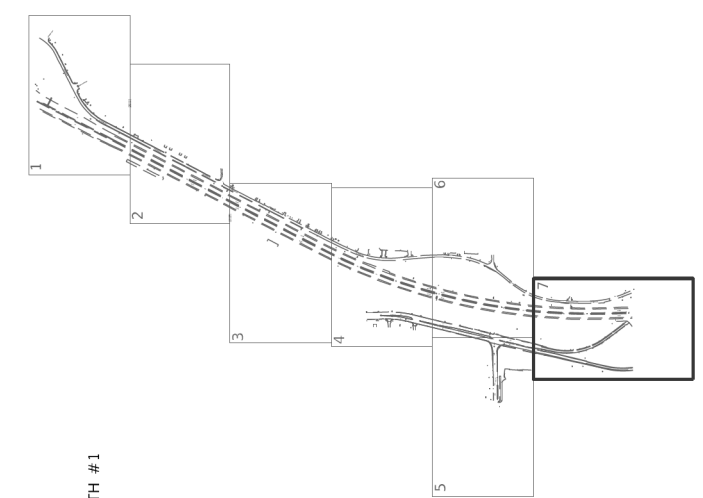
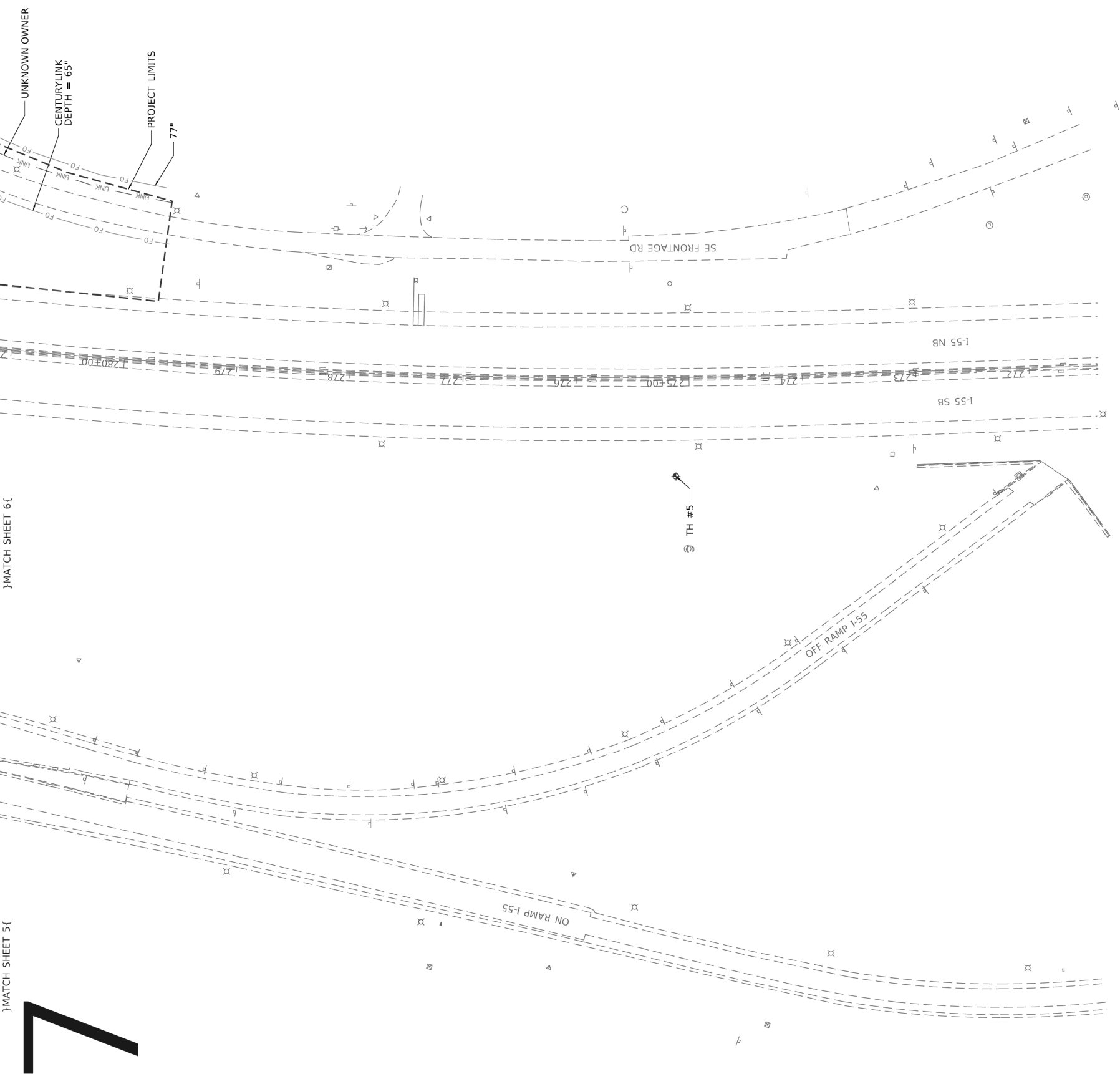
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUE INVESTIGATION OF UNDERGROUND UTILITIES

SCALE: SHEET OF SHEETS STA. TO STA.

F.A./RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2020-192-B	WILL	299	139
CONTRACT NO. 62M63				
* FAI 55, FAP 338 ILLINOIS FED. AID PROJECT				

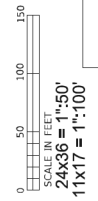
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63907



)}MATCH SHEET 6{

)}MATCH SHEET 5{

7



SAM
 Designated By: J.P./G.M.
 Drafted By: J.B.
 Sheet: 7 of 7
 Date: 7/17/2020
 WO No. 163
 1018045328AE

I, SCOTT A. WECHTER, CERTIFY TO THE ILLINOIS DEPARTMENT OF TRANSPORTATION THAT TO THE BEST OF MY KNOWLEDGE, INFORMATION, AND BELIEF, THE UTILITY INFORMATION DEPICTED BY SAM, LLC, ON THIS PLAN SHEET WAS OBTAINED AND COMPILED UNDER MY DIRECT SUPERVISION USING ACCEPTED PRACTICES AND PROCEDURES.

DATE: 07/17/2020
 PROJECT MANAGER SAM, LLC



A	A	A	A	A	A	A	A	A	A	A	A
CTV	CTV	CTV	CTV	CTV	CTV	CTV	CTV	CTV	CTV	CTV	CTV
E	E	E	E	E	E	E	E	E	E	E	E
FO	FO	FO	FO	FO	FO	FO	FO	FO	FO	FO	FO
G	G	G	G	G	G	G	G	G	G	G	G
UNK	UNK	UNK	UNK	UNK	UNK	UNK	UNK	UNK	UNK	UNK	UNK
T	T	T	T	T	T	T	T	T	T	T	T
W	W	W	W	W	W	W	W	W	W	W	W

USER NAME = UNTITLED	DESIGNED - J.P./L.P.	REVISED -
DRAWN - J.B.	CHECKED - S.W./L.P.	REVISED -
PLOT SCALE = 1"=50'	DATE - 7/17/2020	REVISED -
PLOT DATE = 7/17/2020		

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**WO#163 - 62H15
 ADDITIONAL SUE & POT HOLES**

SCALE: 1"=50' SHEET 6 OF 7 SHEETS STA. 271+00 TO STA. 281+00

F.A./P.RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		WILL	7	7
CONTRACT NO. D162H15				
ILLINOIS FED. AID PROJECT				

USER NAME = jworthington	DESIGNED -	REVISED -
DRAWN -	CHECKED -	REVISED -
PLOT SCALE = 24.0000' / ft.	DATE - 08/18/2020	REVISED -
PLOT DATE = 8/17/2020		

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SUE INVESTIGATION OF UNDERGROUND UTILITIES

SCALE: SHEET OF SHEETS STA. TO STA.

F.A./P.RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2020-192-B	WILL	299	140
CONTRACT NO. 62M63				
* FAI 55, FAP 338 ILLINOIS FED. AID PROJECT				

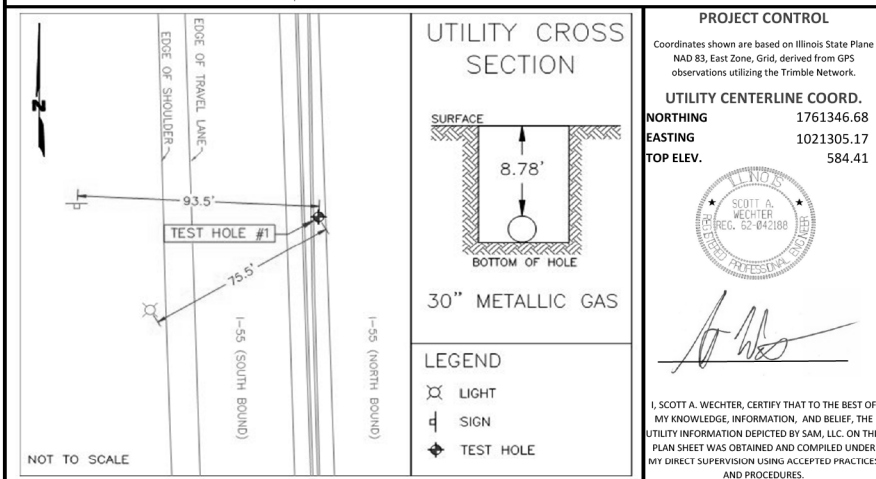
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 63907



SURVEYING AND MAPPING LLC
890 CAMBRIDGE DRIVE, ELK GROVE VILLAGE, IL 60007
PH. 224-404-1300

SUE QUALITY LEVEL B
TEST HOLE 1
SHOREWOOD, IL
30" METALLIC GAS
8.78' DEEP

Project:	IDOT-WO #163 62H15-SHOREWOOD I-55 AND IL ROUTE 59	Date Performed:	7/10/2020
SAM, LLC Project #	1018045328AE	Client:	IDOT REGION 1/DISTRICT 1
Project Location:	SHOREWOOD, IL	Surface Material & Thickness:	16" ASPHALT
Utility Location:	WEST SIDE OF I-55 NORTH BOUND	Surface Elevation:	593.19
Approx. Offset From Conc Wall:	4.5'	Surface Condition:	AVERAGE
Record Utility:	30" METALLIC GAS	Trench Material:	DIRT
Utility Owner:	KINDER MORGAN	Utility Bedding Material:	UNKNOWN
Contact:	TJ FUNK - (815) 693-0519	Utility Found:	30" METALLIC GAS
Phone/Email:	THOMASFUNKJR@KINDERMORGAN.COM	Utility Condition:	GOOD
Field Crew:	JUAN PEREZ / JOSE GARCIA	Utility Depth (Top):	8.78'
Field Conditions:	CLOUDY H91/L75		



Comments

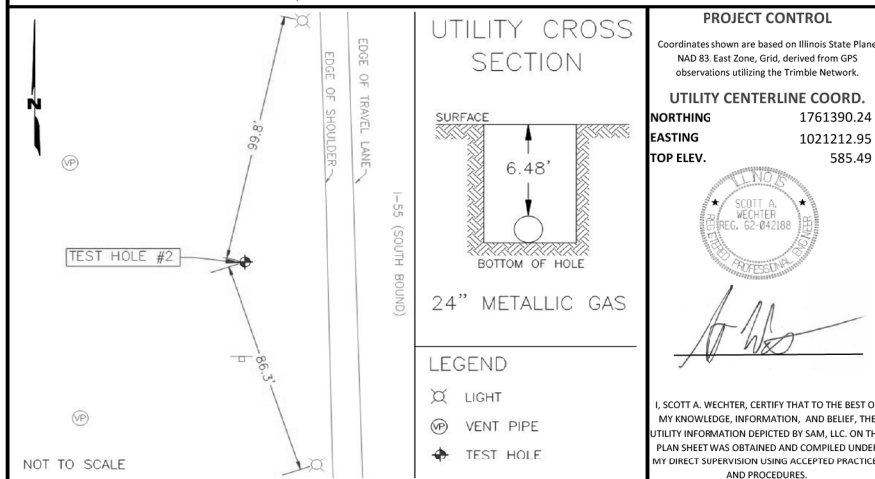
- SAM, LLC laid out this Test Hole by designating the gas line prior to excavation of the utility.
- No additional utilities were found within trench excavation.
- Unable to visually verify utility due to ground water penetration in test hole. Tapped with air lance what we believe to be utility to verify shape and depth.



SURVEYING AND MAPPING LLC
890 CAMBRIDGE DRIVE, ELK GROVE VILLAGE, IL 60007
PH. 224-404-1300

SUE QUALITY LEVEL A
TEST HOLE 2
SHOREWOOD, IL
24" METALLIC GAS
6.48' DEEP

Project:	IDOT-WO #163 62H15-SHOREWOOD I-55 AND IL ROUTE 59	Date Performed:	7/7/2020
SAM, LLC Project #	1018045328AE	Client:	IDOT REGION 1/DISTRICT 1
Project Location:	SHOREWOOD, IL	Surface Material & Thickness:	EXISTING GROUND
Utility Location:	WEST SIDE OF I-55 SOUTH BOUND	Surface Elevation:	591.97
Approx. Offset From Edge Pavement:	31.8	Surface Condition:	AVERAGE
Record Utility:	24" METALLIC GAS	Trench Material:	DIRT
Utility Owner:	KINDER MORGAN	Utility Bedding Material:	UNKNOWN
Contact:	TJ FUNK - (815) 693-0519	Utility Found:	24" METALLIC GAS
Phone/Email:	THOMASFUNKJR@KINDERMORGAN.COM	Utility Condition:	GOOD
Field Crew:	JUAN PEREZ / JOSE GARCIA	Utility Depth (Top):	6.48'
Field Conditions:	CLOUDY H91/L75		



Comments

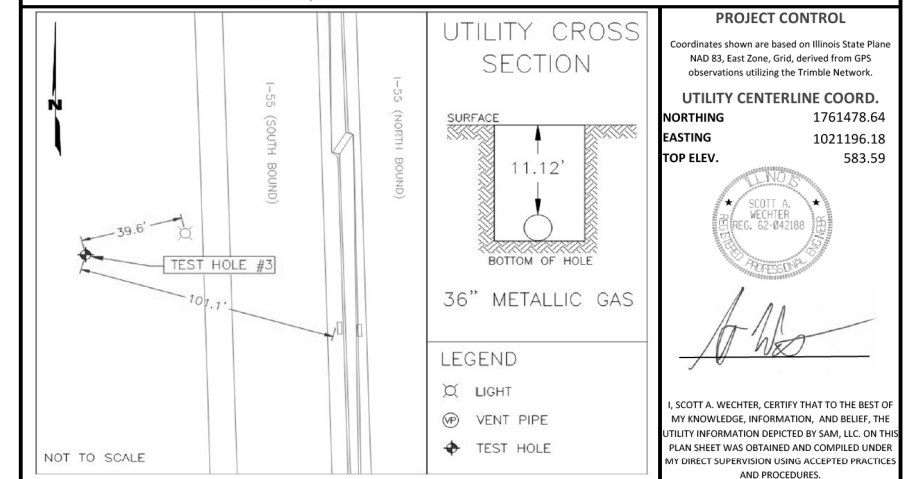
- SAM, LLC laid out this Test Hole by designating the gas line prior to excavation of the utility.
- No additional utilities were found within trench excavation.



SURVEYING AND MAPPING LLC
890 CAMBRIDGE DRIVE, ELK GROVE VILLAGE, IL 60007
PH. 224-404-1300

SUE QUALITY LEVEL A
TEST HOLE 3
SHOREWOOD, IL
36" METALLIC GAS
11.12' DEEP

Project:	IDOT-WO #163 62H15-SHOREWOOD I-55 AND IL ROUTE 59	Date Performed:	7/8/2020
SAM, LLC Project #	1018045328AE	Client:	IDOT REGION 1/DISTRICT 1
Project Location:	SHOREWOOD, IL	Surface Material & Thickness:	EXISTING GROUND
Utility Location:	WEST SIDE OF I-55 SOUTH BOUND	Surface Elevation:	594.71
Approx. Offset From Edge Pavement:	45.5'	Surface Condition:	AVERAGE
Record Utility:	36" METALLIC GAS	Trench Material:	DIRT
Utility Owner:	KINDER MORGAN	Utility Bedding Material:	UNKNOWN
Contact:	TJ FUNK - (815) 693-0519	Utility Found:	36" METALLIC GAS
Phone/Email:	THOMASFUNKJR@KINDERMORGAN.COM	Utility Condition:	GOOD
Field Crew:	JUAN PEREZ / JOSE GARCIA	Utility Depth (Top):	11.12'
Field Conditions:	CLOUDY H91/L75		



Comments

- SAM, LLC laid out this Test Hole by designating the gas line prior to excavation of the utility.
- No additional utilities were found within trench excavation.

MODEL: Default
FILE: Model: pub\ubenech-pw-bentby.com\ubenech-pw-01\Documents\10700510740_001\Eng_Docx_Adv_Conc\Utilities\162M32-shit-sue-048.dgn

D:\62M32-shit-sue-048.dgn
63907

USER NAME = jworthington	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 24,0000' / ft.	CHECKED -	REVISED -
PLOT DATE = 8/17/2020	DATE - 08/18/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUE INVESTIGATION OF UNDERGROUND UTILITIES

SCALE: SHEET OF SHEETS STA. TO STA.

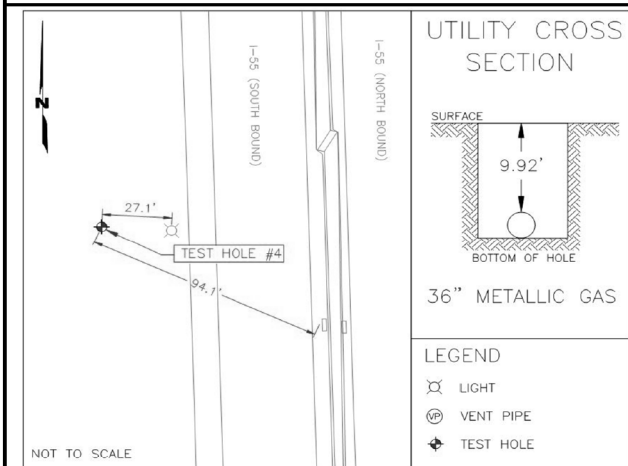
F.A./P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
=	2020-192-B	WILL	299	141
CONTRACT NO. 62M63				
* FAI 55, FAP 338	ILLINOIS	FED. AID PROJECT		



SURVEYING AND MAPPING LLC
890 CAMBRIDGE DRIVE, ELK GROVE VILLAGE, IL 60007
PH. 224-404-1300

SUE QUALITY LEVEL A
TEST HOLE 4
SHOREWOOD, IL
36" METALLIC GAS
9.92' DEEP

Project:	IDOT-WO #163 62H15-SHOREWOOD I-55 AND IL ROUTE 59	Date Performed:	7/9/2020
SAM, LLC Project #	1018045328AE	Client:	IDOT REGION 1/DISTRICT 1
Project Location:	SHOREWOOD, IL	Surface Material & Thickness:	EXISTING GROUND
Utility Location:	WEST SIDE OF I-55 SOUTH BOUND	Surface Elevation:	593.44
Approx. Offset From Edge Pavement:	33.8'	Surface Condition:	AVERAGE
Record Utility:	36" METALLIC GAS	Trench Material:	DIRT
Utility Owner:	KINDER MORGAN	Utility Bedding Material:	UNKNOWN
Contact:	TJ FUNK - (815) 693-0519	Utility Found:	36" METALLIC GAS
Phone/Email:	THOMASFUNKJR@KINDERMORGAN.COM	Utility Condition:	GOOD
Field Crew:	JUAN PEREZ / JOSE GARCIA	Utility Depth (Top):	9.92'
Field Conditions:	CLOUDY H91/L75		



PROJECT CONTROL
Coordinates shown are based on Illinois State Plane NAD 83, East Zone, Grid, derived from GPS observations utilizing the Trimble Network.

UTILITY CENTERLINE COORD.
NORTHING 1761489.30
EASTING 1021207.50
TOP ELEV. 583.52

I, SCOTT A. WECHTER, CERTIFY THAT TO THE BEST OF MY KNOWLEDGE, INFORMATION, AND BELIEF, THE UTILITY INFORMATION DEPICTED BY SAM, LLC. ON THIS PLAN SHEET WAS OBTAINED AND COMPILED UNDER MY DIRECT SUPERVISION USING ACCEPTED PRACTICES AND PROCEDURES.

Comments

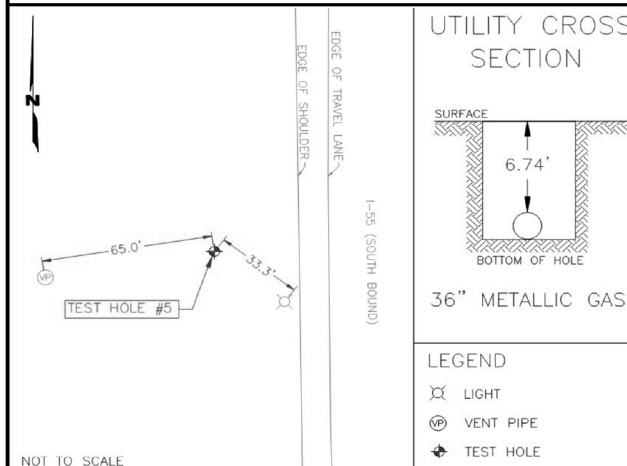
- SAM, LLC laid out this Test Hole by designating the gas line prior to excavation of the utility.
- No additional utilities were found within trench excavation.



SURVEYING AND MAPPING LLC
890 CAMBRIDGE DRIVE, ELK GROVE VILLAGE, IL 60007
PH. 224-404-1300

SUE QUALITY LEVEL A
TEST HOLE 5
SHOREWOOD, IL
36" METALLIC GAS
6.74' DEEP

Project:	IDOT-WO #163 62H15-SHOREWOOD I-55 AND IL ROUTE 59	Date Performed:	7/7/2020
SAM, LLC Project #	1018045328AE	Client:	IDOT REGION 1/DISTRICT 1
Project Location:	SHOREWOOD, IL	Surface Material & Thickness:	EXISTING GROUND
Utility Location:	WEST SIDE OF I-55 SOUTH BOUND	Surface Elevation:	594.83
Approx. Offset From Edge Pavement:	31.6'	Surface Condition:	AVERAGE
Record Utility:	36" METALLIC GAS	Trench Material:	DIRT
Utility Owner:	KINDER MORGAN	Utility Bedding Material:	UNKNOWN
Contact:	TJ FUNK - (815) 693-0519	Utility Found:	36" METALLIC GAS
Phone/Email:	THOMASFUNKJR@KINDERMORGAN.COM	Utility Condition:	GOOD
Field Crew:	JUAN PEREZ / JOSE GARCIA	Utility Depth (Top):	6.74'
Field Conditions:	CLOUDY H91/L75		



PROJECT CONTROL
Coordinates shown are based on Illinois State Plane NAD 83, East Zone, Grid, derived from GPS observations utilizing the Trimble Network.

UTILITY CENTERLINE COORD.
NORTHING 1761986.74
EASTING 1021194.75
TOP ELEV. 588.09

I, SCOTT A. WECHTER, CERTIFY THAT TO THE BEST OF MY KNOWLEDGE, INFORMATION, AND BELIEF, THE UTILITY INFORMATION DEPICTED BY SAM, LLC. ON THIS PLAN SHEET WAS OBTAINED AND COMPILED UNDER MY DIRECT SUPERVISION USING ACCEPTED PRACTICES AND PROCEDURES.

Comments

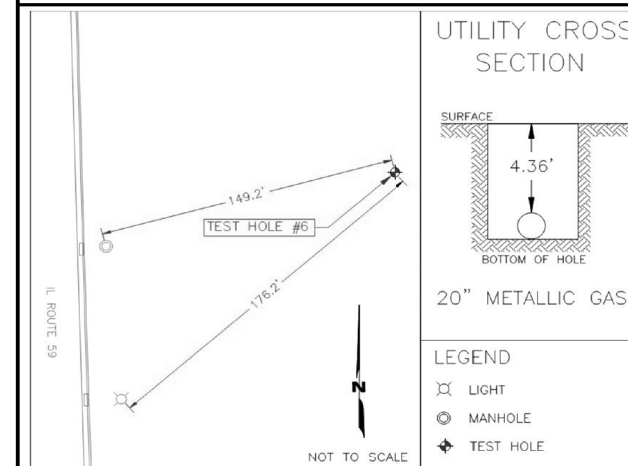
- SAM, LLC laid out this Test Hole by designating the gas line prior to excavation of the utility.
- No additional utilities were found within trench excavation.



SURVEYING AND MAPPING LLC
890 CAMBRIDGE DRIVE, ELK GROVE VILLAGE, IL 60007
PH. 224-404-1300

SUE QUALITY LEVEL A
TEST HOLE 6
SHOREWOOD, IL
20" METALLIC GAS
4.36' DEEP

Project:	IDOT-WO #163 62H15-SHOREWOOD I-55 AND IL ROUTE 59	Date Performed:	7/9/2020
SAM, LLC Project #	1018045328AE	Client:	IDOT REGION 1/DISTRICT 1
Project Location:	SHOREWOOD, IL	Surface Material & Thickness:	EXISTING GROUND
Utility Location:	EAST SIDE OF IL ROUTE 59	Surface Elevation:	590.76
Approx. Offset From Edge Pavement:		Surface Condition:	AVERAGE
Record Utility:	20" METALLIC GAS	Trench Material:	DIRT
Utility Owner:	KINDER MORGAN	Utility Bedding Material:	UNKNOWN
Contact:	TJ FUNK - (815) 693-0519	Utility Found:	20" METALLIC GAS
Phone/Email:	THOMASFUNKJR@KINDERMORGAN.COM	Utility Condition:	GOOD
Field Crew:	JUAN PEREZ / JOSE GARCIA	Utility Depth (Top):	4.36'
Field Conditions:	CLOUDY H91/L75		



PROJECT CONTROL
Coordinates shown are based on Illinois State Plane NAD 83, East Zone, Grid, derived from GPS observations utilizing the Trimble Network.

UTILITY CENTERLINE COORD.
NORTHING 1764287.43
EASTING 1021440.58
TOP ELEV. 586.40

I, SCOTT A. WECHTER, CERTIFY THAT TO THE BEST OF MY KNOWLEDGE, INFORMATION, AND BELIEF, THE UTILITY INFORMATION DEPICTED BY SAM, LLC. ON THIS PLAN SHEET WAS OBTAINED AND COMPILED UNDER MY DIRECT SUPERVISION USING ACCEPTED PRACTICES AND PROCEDURES.

Comments

- SAM, LLC laid out this Test Hole by designating the gas line prior to excavation of the utility.
- No additional utilities were found within trench excavation.

MODEL: Default
FILE: \\blm\c:\pwworking\scottwechter\pwworking\107005\107140_001\Eng_Docs_Adr_Content\Utilities\162M32-shit-sue-049.dgn

D:\162M32-shit-sue-049.dgn
63907

USER NAME = jworthington	DESIGNED -	REVISED -
PLOT SCALE = 24,0000' / ft.	DRAWN -	REVISED -
PLOT DATE = 8/17/2020	CHECKED -	REVISED -
	DATE - 08/18/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUE INVESTIGATION OF UNDERGROUND UTILITIES

SCALE: SHEET OF SHEETS STA. TO STA.

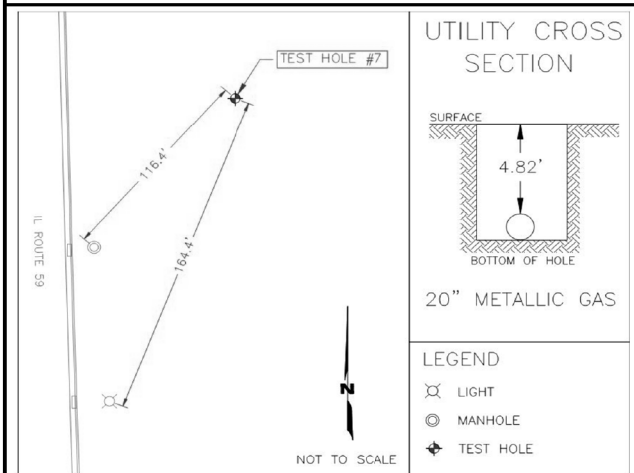
F.A./P.RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2020-192-B	WILL	299	142
CONTRACT NO. 62M63				
* FAI 55, FAP 338 ILLINOIS FED. AID PROJECT				



SURVEYING AND MAPPING LLC
890 CAMBRIDGE DRIVE , ELK GROVE VILLAGE, IL 60007
PH. 224-404-1300

SUE QUALITY LEVEL A
TEST HOLE 7
SHOREWOOD, IL
20" METALLIC GAS
4.82' DEEP

Project:	IDOT-WO #163 62H15-SHOREWOOD I-55 AND IL ROUTE 59	Date Performed:	7/9/2020
SAM, LLC Project #	1018045328AE	Client:	IDOT REGION 1/DISTRICT 1
Project Location:	SHOREWOOD, IL	Surface Material & Thickness:	EXISTING GROUND
Utility Location:	EAST SIDE OF IL ROUTE 59	Surface Elevation:	590.03
Approx. Offset From Edge Pavement:		Surface Condition:	AVERAGE
Record Utility:	20" METALLIC GAS	Trench Material:	DIRT
Utility Owner:	KINDER MORGAN	Utility Bedding Material:	UNKNOWN
Contact:	TJ FUNK - (815) 693-0519	Utility Found:	20" METALLIC GAS
Phone/Email:	THOMASFUNKJR@KINDERMORGAN.COM	Utility Condition:	GOOD
Field Crew:	JUAN PEREZ / JOSE GARCIA	Utility Depth (Top):	4.82'
Field Conditions:	CLOUDY H91/L75		



PROJECT CONTROL
Coordinates shown are based on Illinois State Plane NAD 83, East Zone, Grid, derived from GPS observations utilizing the Trimble Network.

UTILITY CENTERLINE COORD.
NORTHING 1764318.46
EASTING 1021383.10
TOP ELEV. 585.21

SCOTT A. WECHTER
REGISTERED PROFESSIONAL SURVEYOR
REG. 62-042188

I, SCOTT A. WECHTER, CERTIFY THAT TO THE BEST OF MY KNOWLEDGE, INFORMATION, AND BELIEF, THE UTILITY INFORMATION DEPICTED BY SAM, LLC. ON THIS PLAN SHEET WAS OBTAINED AND COMPILED UNDER MY DIRECT SUPERVISION USING ACCEPTED PRACTICES AND PROCEDURES.

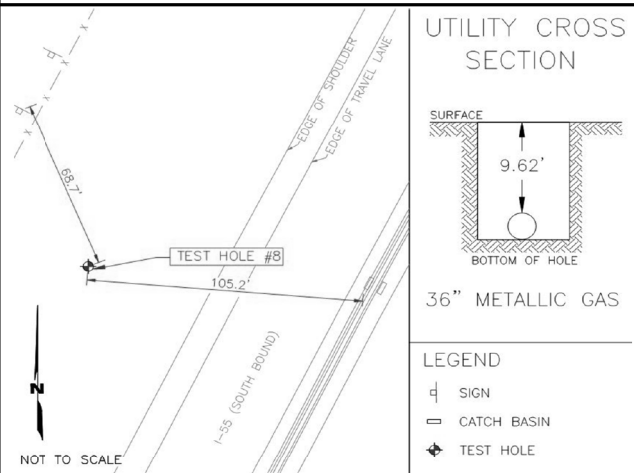
Comments
1. SAM, LLC laid out this Test Hole by designating the gas line prior to excavation of the utility.
2. No additional utilities were found within trench excavation.



SURVEYING AND MAPPING LLC
890 CAMBRIDGE DRIVE , ELK GROVE VILLAGE, IL 60007
PH. 224-404-1300

SUE QUALITY LEVEL B
TEST HOLE 8
SHOREWOOD, IL
36" METALLIC GAS
9.62' DEEP

Project:	IDOT-WO #163 62H15-SHOREWOOD I-55 AND IL ROUTE 59	Date Performed:	7/6/2020
SAM, LLC Project #	1018045328AE	Client:	IDOT REGION 1/DISTRICT 1
Project Location:	SHOREWOOD, IL	Surface Material & Thickness:	EXISTING GROUND
Utility Location:		Surface Elevation:	593.22
Approx. Offset From Edge Pavement:	47.1	Surface Condition:	AVERAGE
Record Utility:	36" METALLIC GAS	Trench Material:	DIRT
Utility Owner:	KINDER MORGAN	Utility Bedding Material:	UNKNOWN
Contact:	TJ FUNK - (815) 693-0519	Utility Found:	36" METALLIC GAS
Phone/Email:	THOMASFUNKJR@KINDERMORGAN.COM	Utility Condition:	GOOD
Field Crew:	JUAN PEREZ / JOSE GARCIA	Utility Depth (Top):	9.62'
Field Conditions:	CLOUDY H89/L76		



PROJECT CONTROL
Coordinates shown are based on Illinois State Plane NAD 83, East Zone, Grid, derived from GPS observations utilizing the Trimble Network.

UTILITY CENTERLINE COORD.
NORTHING 1764643.55
EASTING 1021789.48
TOP ELEV. 583.60

SCOTT A. WECHTER
REGISTERED PROFESSIONAL SURVEYOR
REG. 62-042188

I, SCOTT A. WECHTER, CERTIFY THAT TO THE BEST OF MY KNOWLEDGE, INFORMATION, AND BELIEF, THE UTILITY INFORMATION DEPICTED BY SAM, LLC. ON THIS PLAN SHEET WAS OBTAINED AND COMPILED UNDER MY DIRECT SUPERVISION USING ACCEPTED PRACTICES AND PROCEDURES.

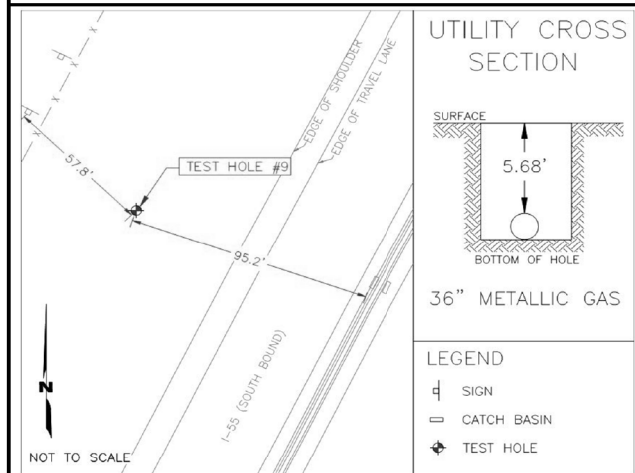
Comments
1. SAM, LLC laid out this Test Hole by designating the gas line prior to excavation of the utility.
2. No additional utilities were found within trench excavation.
3. Unable to visually verify utility due to ground water penetration in test hole. Tapped with air lance what we believe to be utility to verify shape and depth.
4. Per TJ Funk with Kinder Morgan, utility is Metallic and 36".



SURVEYING AND MAPPING LLC
890 CAMBRIDGE DRIVE , ELK GROVE VILLAGE, IL 60007
PH. 224-404-1300

SUE QUALITY LEVEL A
TEST HOLE 9
SHOREWOOD, IL
36" METALLIC GAS
5.68' DEEP

Project:	IDOT-WO #163 62H15-SHOREWOOD I-55 AND IL ROUTE 59	Date Performed:	7/6/2020
SAM, LLC Project #	1018045328AE	Client:	IDOT REGION 1/DISTRICT 1
Project Location:	SHOREWOOD, IL	Surface Material & Thickness:	EXISTING GROUND
Utility Location:		Surface Elevation:	593.40
Approx. Offset From Edge Pavement:	44.5'	Surface Condition:	AVERAGE
Record Utility:	36" METALLIC GAS	Trench Material:	DIRT
Utility Owner:	KINDER MORGAN	Utility Bedding Material:	UNKNOWN
Contact:	TJ FUNK - (815) 693-0519	Utility Found:	36" METALLIC GAS
Phone/Email:	THOMASFUNKJR@KINDERMORGAN.COM	Utility Condition:	GOOD
Field Crew:	JUAN PEREZ / JOSE GARCIA	Utility Depth (Top):	5.68'
Field Conditions:	CLOUDY H89/L76		



PROJECT CONTROL
Coordinates shown are based on Illinois State Plane NAD 83, East Zone, Grid, derived from GPS observations utilizing the Trimble Network.

UTILITY CENTERLINE COORD.
NORTHING 1764666.42
EASTING 1021804.43
TOP ELEV. 587.72

SCOTT A. WECHTER
REGISTERED PROFESSIONAL SURVEYOR
REG. 62-042188

I, SCOTT A. WECHTER, CERTIFY THAT TO THE BEST OF MY KNOWLEDGE, INFORMATION, AND BELIEF, THE UTILITY INFORMATION DEPICTED BY SAM, LLC. ON THIS PLAN SHEET WAS OBTAINED AND COMPILED UNDER MY DIRECT SUPERVISION USING ACCEPTED PRACTICES AND PROCEDURES.

Comments
1. SAM, LLC laid out this Test Hole by designating the gas line prior to excavation of the utility.
2. No additional utilities were found within trench excavation.
3. Per TJ Funk with Kinder Morgan, utility is Metallic and 36".

MODEL: Default
FILE: Model: sht-sue-050.dgn
D:\62M32-sht-sue-050.dgn
63907

USER NAME	= jworthington	DESIGNED	-	REVISED	-
PLOT SCALE	= 24,0000' / ft.	CHECKED	-	REVISED	-
PLOT DATE	= 8/17/2020	DATE	- 08/18/2020	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUE INVESTIGATION OF UNDERGROUND UTILITIES

SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.

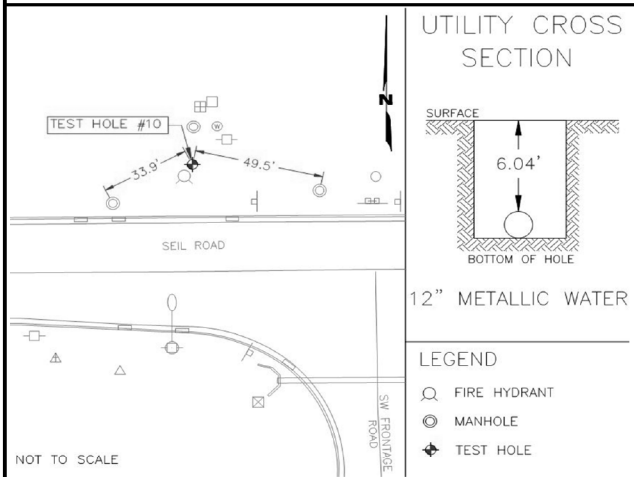
F.A./P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
=	2020-192-B	WILL	299	143
CONTRACT NO. 62M63				
* FAI 55, FAP 338	ILLINOIS	FED. AID PROJECT		



SURVEYING AND MAPPING LLC
890 CAMBRIDGE DRIVE, ELK GROVE VILLAGE, IL 60007
PH. 224-404-1300

SUE QUALITY LEVEL A
TEST HOLE 10
SHOREWOOD, IL
12" METALLIC WATER
6.04' DEEP

Project:	IDOT-WO #163 62H15-SHOREWOOD I-55 AND IL ROUTE 59	Date Performed:	6/25/2020
SAM, LLC Project #	1018045328AE	Client:	IDOT REGION 1/DISTRICT 1
Project Location:	SHOREWOOD, IL	Surface Material & Thickness:	EXISTING GROUND
Utility Location:	NORTH SIDE OF SEIL ROAD	Surface Elevation:	590.90
Approx. Offset From Back of Curb:	21.5'	Surface Condition:	AVERAGE
Record Utility:	12" METALLIC WATER	Trench Material:	DIRT
Utility Owner:	VILLAGE OF SHOREWOOD	Utility Bedding Material:	UNKNOWN
Contact:	ART COUNTRYMAN	Utility Found:	12" METALLIC WATER
Phone/Email:	ACOUNTRYMAN@VIL.SHOREWOOD.IL.US	Utility Condition:	GOOD
Field Crew:	JUAN PEREZ / JOSE GARCIA	Utility Depth (Top):	6.04'
Field Conditions:	CLOUDY H82/L73		



PROJECT CONTROL
Coordinates shown are based on Illinois State Plane NAD 83, East Zone, Grid, derived from GPS observations utilizing the Trimble Network.

UTILITY CENTERLINE COORD.
NORTHING 1763004.21
EASTING 1020146.06
TOP ELEV. 584.86

I, SCOTT A. WECHTER, CERTIFY THAT TO THE BEST OF MY KNOWLEDGE, INFORMATION, AND BELIEF, THE UTILITY INFORMATION DEPICTED BY SAM, LLC. ON THIS PLAN SHEET WAS OBTAINED AND COMPILED UNDER MY DIRECT SUPERVISION USING ACCEPTED PRACTICES AND PROCEDURES.

Comments

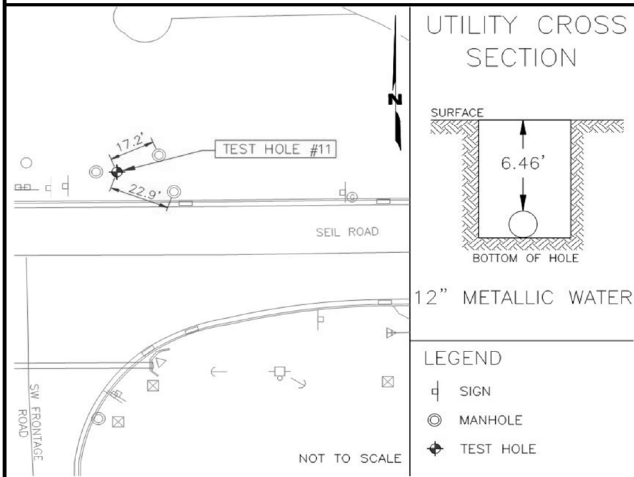
- SAM, LLC laid out this Test Hole by designating the water line prior to excavation of the utility.
- No additional utilities were found within trench excavation.



SURVEYING AND MAPPING LLC
890 CAMBRIDGE DRIVE, ELK GROVE VILLAGE, IL 60007
PH. 224-404-1300

SUE QUALITY LEVEL B
TEST HOLE 11
SHOREWOOD, IL
12" METALLIC WATER
6.46' DEEP

Project:	IDOT-WO #163 62H15-SHOREWOOD I-55 AND IL ROUTE 59	Date Performed:	6/25/2020
SAM, LLC Project #	1018045328AE	Client:	IDOT REGION 1/DISTRICT 1
Project Location:	SHOREWOOD, IL	Surface Material & Thickness:	EXISTING GROUND
Utility Location:	NORTH SIDE OF SEIL ROAD	Surface Elevation:	590.87
Approx. Offset From Back of Curb:	11.8'	Surface Condition:	AVERAGE
Record Utility:	12" METALLIC WATER	Trench Material:	DIRT
Utility Owner:	VILLAGE OF SHOREWOOD	Utility Bedding Material:	UNKNOWN
Contact:	ART COUNTRYMAN	Utility Found:	12" METALLIC WATER
Phone/Email:	ACOUNTRYMAN@VIL.SHOREWOOD.IL.US	Utility Condition:	GOOD
Field Crew:	JUAN PEREZ / JOSE GARCIA	Utility Depth (Top):	6.46'
Field Conditions:	CLOUDY H82/L73		



PROJECT CONTROL
Coordinates shown are based on Illinois State Plane NAD 83, East Zone, Grid, derived from GPS observations utilizing the Trimble Network.

UTILITY CENTERLINE COORD.
NORTHING 1762995.64
EASTING 1020250.65
TOP ELEV. 584.41

I, SCOTT A. WECHTER, CERTIFY THAT TO THE BEST OF MY KNOWLEDGE, INFORMATION, AND BELIEF, THE UTILITY INFORMATION DEPICTED BY SAM, LLC. ON THIS PLAN SHEET WAS OBTAINED AND COMPILED UNDER MY DIRECT SUPERVISION USING ACCEPTED PRACTICES AND PROCEDURES.

Comments

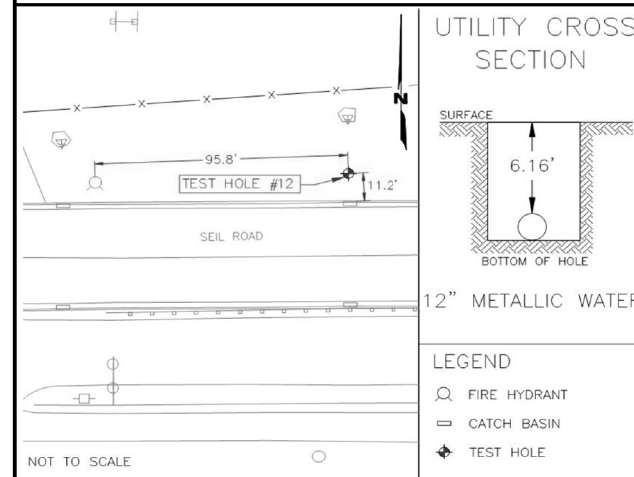
- SAM, LLC laid out this Test Hole by designating the water line prior to excavation of the utility.
- No additional utilities were found within trench excavation.
- Unable to visually verify utility due to ground water penetration in test hole. Tapped with air lance what we believe to be utility to verify shape and depth.



SURVEYING AND MAPPING LLC
890 CAMBRIDGE DRIVE, ELK GROVE VILLAGE, IL 60007
PH. 224-404-1300

SUE QUALITY LEVEL A
TEST HOLE 12
SHOREWOOD, IL
12" METALLIC WATER
6.16' DEEP

Project:	IDOT-WO #163 62H15-SHOREWOOD I-55 AND IL ROUTE 59	Date Performed:	6/24/2020
SAM, LLC Project #	1018045328AE	Client:	IDOT REGION 1/DISTRICT 1
Project Location:	SHOREWOOD, IL	Surface Material & Thickness:	EXISTING GROUND
Utility Location:	NORTH SIDE OF SEIL ROAD	Surface Elevation:	594.44
Approx. Offset From Back of Curb:	11.0'	Surface Condition:	AVERAGE
Record Utility:	12" METALLIC WATER	Trench Material:	DIRT
Utility Owner:	VILLAGE OF SHOREWOOD	Utility Bedding Material:	UNKNOWN
Contact:	ART COUNTRYMAN	Utility Found:	12" METALLIC WATER
Phone/Email:	ACOUNTRYMAN@VIL.SHOREWOOD.IL.US	Utility Condition:	GOOD
Field Crew:	JUAN PEREZ / JOSE GARCIA	Utility Depth (Top):	6.16'
Field Conditions:	CLOUDY H82/L73		



PROJECT CONTROL
Coordinates shown are based on Illinois State Plane NAD 83, East Zone, Grid, derived from GPS observations utilizing the Trimble Network.

UTILITY CENTERLINE COORD.
NORTHING 1762997.57
EASTING 1020540.78
TOP ELEV. 588.28

I, SCOTT A. WECHTER, CERTIFY THAT TO THE BEST OF MY KNOWLEDGE, INFORMATION, AND BELIEF, THE UTILITY INFORMATION DEPICTED BY SAM, LLC. ON THIS PLAN SHEET WAS OBTAINED AND COMPILED UNDER MY DIRECT SUPERVISION USING ACCEPTED PRACTICES AND PROCEDURES.

Comments

- SAM, LLC laid out this Test Hole by designating the water line prior to excavation of the utility.
- No additional utilities were found within trench excavation.

MODEL: Default
FILE: \\bluerech-pw-bentley.com\bluerech-pw-01\Documents\10700510740.001\Eng_Docs_Adv_Conc\Utilities\162M32-shit-sue-051.dgn

D:\62M32-shit-sue-051.dgn
63907

USER NAME = jworthington	DESIGNED -	REVISED -
PLOT SCALE = 24,0000' / ft.	DRAWN -	REVISED -
PLOT DATE = 8/17/2020	CHECKED -	REVISED -
	DATE - 08/18/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUE INVESTIGATION OF UNDERGROUND UTILITIES

SCALE: SHEET OF SHEETS STA. TO STA.

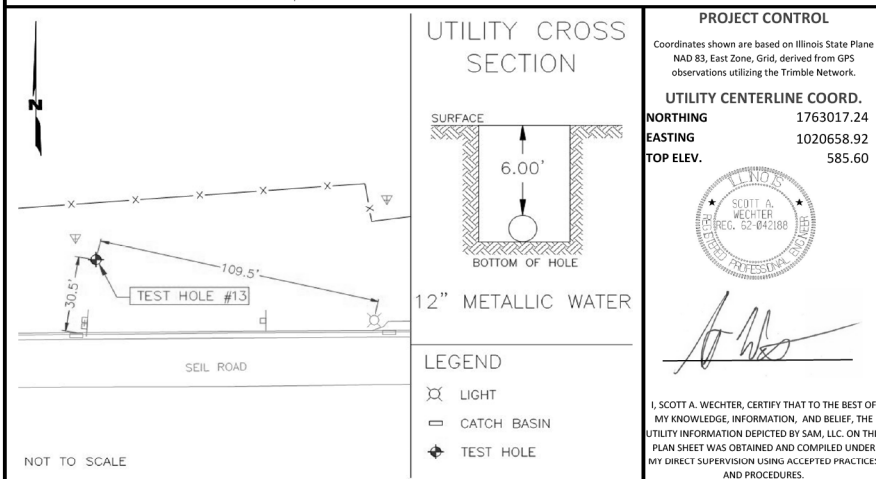
F.A./P.RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
=	2020-192-B	WILL	299	144
CONTRACT NO. 62M63				
* FAI 55, FAP 338	ILLINOIS	FED. AID PROJECT		



SURVEYING AND MAPPING LLC
890 CAMBRIDGE DRIVE, ELK GROVE VILLAGE, IL 60007
PH. 224-404-1300

SUE QUALITY LEVEL A
TEST HOLE 13
SHOREWOOD, IL
12" METALLIC WATER
6.00' DEEP

Project:	IDOT-WO #163 62H15-SHOREWOOD I-55 AND IL ROUTE 59	Date Performed:	6/25/2020
SAM, LLC Project #	1018045328AE	Client:	IDOT REGION 1/DISTRICT 1
Project Location:	SHOREWOOD, IL	Surface Material & Thickness:	EXISTING GROUND
Utility Location:	NORTH SIDE OF SEIL ROAD	Surface Elevation:	591.60
Approx. Offset From Back of Curb:	30.9'	Surface Condition:	AVERAGE
Record Utility:	12" METALLIC WATER	Trench Material:	DIRT
Utility Owner:	VILLAGE OF SHOREWOOD	Utility Bedding Material:	UNKNOWN
Contact:	ART COUNTRYMAN	Utility Found:	12" METALLIC WATER
Phone/Email:	ACOUNTRYMAN@VIL.SHOREWOOD.IL.US	Utility Condition:	GOOD
Field Crew:	JUAN PEREZ / JOSE GARCIA	Utility Depth (Top):	6.00'
Field Conditions:	CLOUDY H82/L73		



PROJECT CONTROL
Coordinates shown are based on Illinois State Plane NAD 83, East Zone, Grid, derived from GPS observations utilizing the Trimble Network.

UTILITY CENTERLINE COORD.
NORTHING 1763017.24
EASTING 1020658.92
TOP ELEV. 585.60

I, SCOTT A. WECHTER, CERTIFY THAT TO THE BEST OF MY KNOWLEDGE, INFORMATION, AND BELIEF, THE UTILITY INFORMATION DEPICTED BY SAM, LLC, ON THIS PLAN SHEET WAS OBTAINED AND COMPILED UNDER MY DIRECT SUPERVISION USING ACCEPTED PRACTICES AND PROCEDURES.

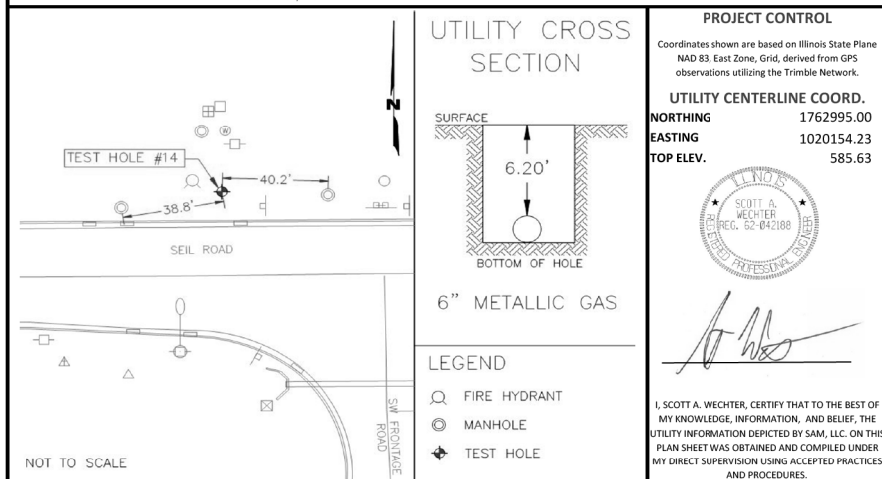
Comments
1. SAM, LLC laid out this Test Hole by designating the water line prior to excavation of the utility.
2. No additional utilities were found within trench excavation.



SURVEYING AND MAPPING LLC
890 CAMBRIDGE DRIVE, ELK GROVE VILLAGE, IL 60007
PH. 224-404-1300

SUE QUALITY LEVEL A
TEST HOLE 14
SHOREWOOD, IL
6" METALLIC GAS
6.20' DEEP

Project:	IDOT-WO #163 62H15-SHOREWOOD I-55 AND IL ROUTE 59	Date Performed:	6/22/2020
SAM, LLC Project #	1018045328AE	Client:	IDOT REGION 1/DISTRICT 1
Project Location:	SHOREWOOD, IL	Surface Material & Thickness:	EXISTING GROUND
Utility Location:	NORTH SIDE OF SEIL ROAD	Surface Elevation:	591.83
Approx. Offset From Back of Curb:	11.60'	Surface Condition:	AVERAGE
Record Utility:	6" METALLIC GAS	Trench Material:	DIRT
Utility Owner:	NICOR	Utility Bedding Material:	UNKNOWN
Contact:	Charles Parrott (630) 399-3319	Utility Found:	6" METALLIC GAS
Phone/Email:	cparrot@southernco.com	Utility Condition:	GOOD
Field Crew:	JUAN PEREZ / JOSE GARCIA	Utility Depth (Top):	6.20'
Field Conditions:	CLOUDY H82/L73		



PROJECT CONTROL
Coordinates shown are based on Illinois State Plane NAD 83, East Zone, Grid, derived from GPS observations utilizing the Trimble Network.

UTILITY CENTERLINE COORD.
NORTHING 1762995.00
EASTING 1020154.23
TOP ELEV. 585.63

I, SCOTT A. WECHTER, CERTIFY THAT TO THE BEST OF MY KNOWLEDGE, INFORMATION, AND BELIEF, THE UTILITY INFORMATION DEPICTED BY SAM, LLC, ON THIS PLAN SHEET WAS OBTAINED AND COMPILED UNDER MY DIRECT SUPERVISION USING ACCEPTED PRACTICES AND PROCEDURES.

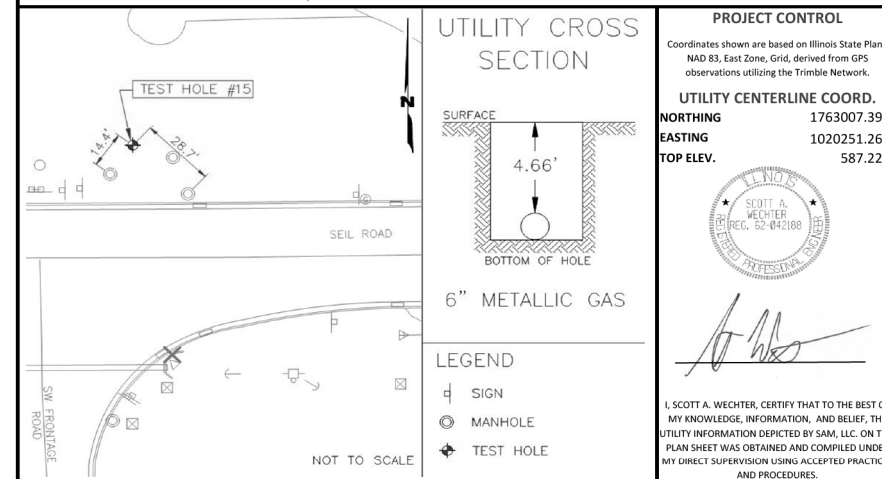
Comments
1. SAM, LLC laid out this Test Hole by designating the gas line prior to excavation of the utility.
2. No additional utilities were found within trench excavation.



SURVEYING AND MAPPING LLC
890 CAMBRIDGE DRIVE, ELK GROVE VILLAGE, IL 60007
PH. 224-404-1300

SUE QUALITY LEVEL A
TEST HOLE 15
SHOREWOOD, IL
6" METALLIC GAS
4.66' DEEP

Project:	IDOT-WO #163 62H15-SHOREWOOD I-55 AND IL ROUTE 59	Date Performed:	6/25/2020
SAM, LLC Project #	1018045328AE	Client:	IDOT REGION 1/DISTRICT 1
Project Location:	SHOREWOOD, IL	Surface Material & Thickness:	EXISTING GROUND
Utility Location:	NORTH SIDE OF SEIL ROAD	Surface Elevation:	591.88
Approx. Offset From Back of Curb:	23.5'	Surface Condition:	AVERAGE
Record Utility:	6" METALLIC GAS	Trench Material:	DIRT
Utility Owner:	Nicor	Utility Bedding Material:	UNKNOWN
Contact:	Charles Parrott (630) 399-3319	Utility Found:	6" METALLIC GAS
Phone/Email:	cparrot@southernco.com	Utility Condition:	GOOD
Field Crew:	JUAN PEREZ / JOSE GARCIA	Utility Depth (Top):	4.66'
Field Conditions:	CLOUDY H82/L73		



PROJECT CONTROL
Coordinates shown are based on Illinois State Plane NAD 83, East Zone, Grid, derived from GPS observations utilizing the Trimble Network.

UTILITY CENTERLINE COORD.
NORTHING 1763007.39
EASTING 1020251.26
TOP ELEV. 587.22

I, SCOTT A. WECHTER, CERTIFY THAT TO THE BEST OF MY KNOWLEDGE, INFORMATION, AND BELIEF, THE UTILITY INFORMATION DEPICTED BY SAM, LLC, ON THIS PLAN SHEET WAS OBTAINED AND COMPILED UNDER MY DIRECT SUPERVISION USING ACCEPTED PRACTICES AND PROCEDURES.

Comments
1. SAM, LLC laid out this Test Hole by designating the gas line prior to excavation of the utility.
2. No additional utilities were found within trench excavation.

MODEL: Default
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D:\62M32-shit-sue-052.dgn
63907

USER NAME = jworthington	DESIGNED -	REVISED -
PLOT SCALE = 24,0000' / ft.	DRAWN -	REVISED -
PLOT DATE = 8/17/2020	CHECKED -	REVISED -
	DATE - 08/18/2020	REVISED -


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUE INVESTIGATION OF UNDERGROUND UTILITIES


SCALE: SHEET OF SHEETS STA. TO STA.

F.A./P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
=	2020-192-B	WILL	299	145
CONTRACT NO. 62M63				
* FAI 55, FAP 338	ILLINOIS	FED. AID PROJECT		


MODEL: Default
FILE: \\bluetech-pw-bentley.com\bluetech-pw-01\Documents\10700510740-001\Eng_Docs_Adv_Content\Utilities\162M32-shit-sue-053.dgn



SUE QUALITY LEVEL A
TEST HOLE 16
SHOREWOOD, IL
6" METALLIC GAS
3.02' DEEP



SUE QUALITY LEVEL A
TEST HOLE 17
SHOREWOOD, IL
6" METALLIC GAS
6.38' DEEP

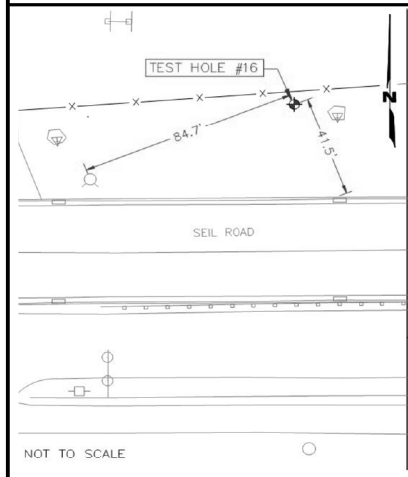


SUE QUALITY LEVEL A
TEST HOLE 18
SHOREWOOD, IL
6" METALLIC GAS
5.44' DEEP

SURVEYING AND MAPPING LLC
890 CAMBRIDGE DRIVE, ELK GROVE VILLAGE, IL 60007
PH. 224-404-1300

Project:	IDOT-WO #163 62H15-SHOREWOOD I-55 AND IL ROUTE 59	Date Performed:	6/23/2020
SAM, LLC Project #	1018045328AE	Client:	IDOT REGION 1/DISTRICT 1

Project Location:	SHOREWOOD, IL	Surface Material & Thickness:	EXISTING GROUND
Utility Location:	NORTH SIDE OF SEIL ROAD	Surface Elevation:	590.42
Approx. Offset From Back of Curb:	39.4'	Surface Condition:	AVERAGE
Record Utility:	6" METALLIC GAS	Trench Material:	DIRT
Utility Owner:	Nicor	Utility Bedding Material:	UNKNOWN
Contact:	Charles Parrott (630) 399-3319	Utility Found:	6" METALLIC GAS
Phone/Email:	cparrot@southernco.com	Utility Condition:	GOOD
Field Crew:	JUAN PEREZ / JOSE GARCIA	Utility Depth (Top):	3.02'
Field Conditions:	CLOUDY H82/L73		

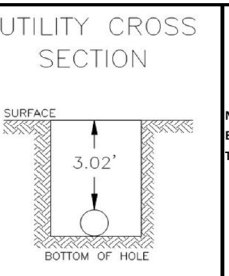


TEST HOLE #16

SEIL ROAD

NOT TO SCALE

UTILITY CROSS SECTION



3.02'

6" METALLIC GAS

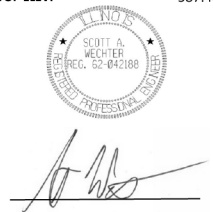
LEGEND
 LIGHT
 CATCH BASIN
 TEST HOLE

PROJECT CONTROL

Coordinates shown are based on Illinois State Plane NAD 83, East Zone, Grid, derived from GPS observations utilizing the Trimble Network.

UTILITY CENTERLINE COORD.


NORTHING 1763025.03
 EASTING 1020523.86
 TOP ELEV. 587.40




I, SCOTT A. WECHTER, CERTIFY THAT TO THE BEST OF MY KNOWLEDGE, INFORMATION, AND BELIEF, THE UTILITY INFORMATION DEPICTED BY SAM, LLC, ON THIS PLAN SHEET WAS OBTAINED AND COMPILED UNDER MY DIRECT SUPERVISION USING ACCEPTED PRACTICES AND PROCEDURES.

Comments


- SAM, LLC laid out this Test Hole by designating the gas line prior to excavation of the utility.
- No additional utilities were found within trench excavation.



SUE QUALITY LEVEL A
TEST HOLE 16
SHOREWOOD, IL
6" METALLIC GAS
3.02' DEEP



SUE QUALITY LEVEL A
TEST HOLE 17
SHOREWOOD, IL
6" METALLIC GAS
6.38' DEEP

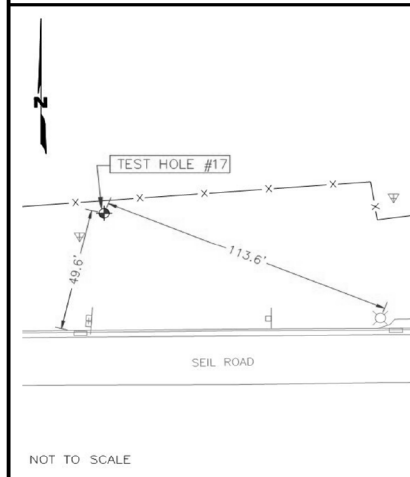


SUE QUALITY LEVEL A
TEST HOLE 18
SHOREWOOD, IL
6" METALLIC GAS
5.44' DEEP

SURVEYING AND MAPPING LLC
890 CAMBRIDGE DRIVE, ELK GROVE VILLAGE, IL 60007
PH. 224-404-1300

Project:	IDOT-WO #163 62H15-SHOREWOOD I-55 AND IL ROUTE 59	Date Performed:	6/23/2020
SAM, LLC Project #	1018045328AE	Client:	IDOT REGION 1/DISTRICT 1

Project Location:	SHOREWOOD, IL	Surface Material & Thickness:	EXISTING GROUND
Utility Location:	NORTH SIDE OF SEIL ROAD	Surface Elevation:	589.43
Approx. Offset From Back of Curb:	49.5'	Surface Condition:	AVERAGE
Record Utility:	6" METALLIC GAS	Trench Material:	DIRT
Utility Owner:	Nicor	Utility Bedding Material:	UNKNOWN
Contact:	Charles Parrott (630) 399-3319	Utility Found:	6" METALLIC GAS
Phone/Email:	cparrot@southernco.com	Utility Condition:	GOOD
Field Crew:	JUAN PEREZ / JOSE GARCIA	Utility Depth (Top):	6.38'
Field Conditions:	CLOUDY H82/L73		

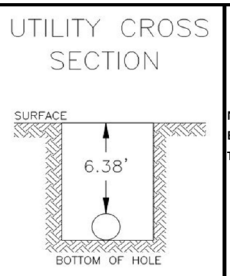


TEST HOLE #17

SEIL ROAD

NOT TO SCALE

UTILITY CROSS SECTION



6.38'

6" METALLIC GAS

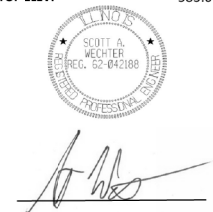
LEGEND
 LIGHT
 CATCH BASIN
 TEST HOLE

PROJECT CONTROL

Coordinates shown are based on Illinois State Plane NAD 83, East Zone, Grid, derived from GPS observations utilizing the Trimble Network.

UTILITY CENTERLINE COORD.


NORTHING 1763035.46
 EASTING 1020660.42
 TOP ELEV. 583.05




I, SCOTT A. WECHTER, CERTIFY THAT TO THE BEST OF MY KNOWLEDGE, INFORMATION, AND BELIEF, THE UTILITY INFORMATION DEPICTED BY SAM, LLC, ON THIS PLAN SHEET WAS OBTAINED AND COMPILED UNDER MY DIRECT SUPERVISION USING ACCEPTED PRACTICES AND PROCEDURES.

Comments


- SAM, LLC laid out this Test Hole by designating the gas line prior to excavation of the utility.
- No additional utilities were found within trench excavation.
- Only saw briefly due to caving of test hole.



SUE QUALITY LEVEL A
TEST HOLE 16
SHOREWOOD, IL
6" METALLIC GAS
3.02' DEEP



SUE QUALITY LEVEL A
TEST HOLE 17
SHOREWOOD, IL
6" METALLIC GAS
6.38' DEEP

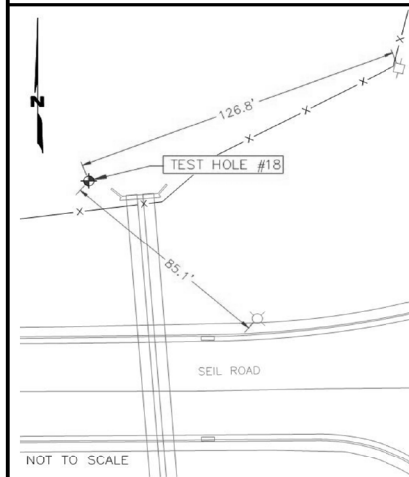


SUE QUALITY LEVEL A
TEST HOLE 18
SHOREWOOD, IL
6" METALLIC GAS
5.44' DEEP

SURVEYING AND MAPPING LLC
890 CAMBRIDGE DRIVE, ELK GROVE VILLAGE, IL 60007
PH. 224-404-1300

Project:	IDOT-WO #163 62H15-SHOREWOOD I-55 AND IL ROUTE 59	Date Performed:	6/29/2020
SAM, LLC Project #	1018045328AE	Client:	IDOT REGION 1/DISTRICT 1

Project Location:	SHOREWOOD, IL	Surface Material & Thickness:	EXISTING GROUND
Utility Location:	NORTH SIDE OF SEIL ROAD	Surface Elevation:	586.91
Approx. Offset From Conc. Culvert:	9.1'	Surface Condition:	AVERAGE
Record Utility:	6" METALLIC GAS	Trench Material:	DIRT
Utility Owner:	Nicor	Utility Bedding Material:	UNKNOWN
Contact:	Charles Parrott (630) 399-3319	Utility Found:	6" METALLIC GAS
Phone/Email:	cparrot@southernco.com	Utility Condition:	GOOD
Field Crew:	JUAN PEREZ / JOSE GARCIA	Utility Depth (Top):	5.44'
Field Conditions:	CLOUDY H82/L73		

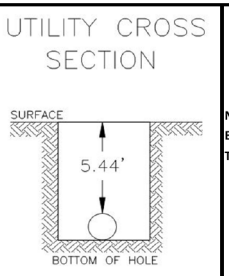


TEST HOLE #18

SEIL ROAD

NOT TO SCALE

UTILITY CROSS SECTION



5.44'

6" METALLIC GAS

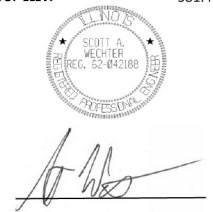
LEGEND
 LIGHT
 POWER POLE
 TEST HOLE

PROJECT CONTROL

Coordinates shown are based on Illinois State Plane NAD 83, East Zone, Grid, derived from GPS observations utilizing the Trimble Network.

UTILITY CENTERLINE COORD.

NORTHING 1763052.07
 EASTING 1020821.24
 TOP ELEV. 581.47



I, SCOTT A. WECHTER, CERTIFY THAT TO THE BEST OF MY KNOWLEDGE, INFORMATION, AND BELIEF, THE UTILITY INFORMATION DEPICTED BY SAM, LLC, ON THIS PLAN SHEET WAS OBTAINED AND COMPILED UNDER MY DIRECT SUPERVISION USING ACCEPTED PRACTICES AND PROCEDURES.

Comments

- SAM, LLC laid out this Test Hole by designating the gas line prior to excavation of the utility.
- No additional utilities were found within trench excavation.

USER NAME	= jworthington	DESIGNED	-	REVISED	-
PLOT SCALE	= 24,0000' / ft.	CHECKED	-	REVISED	-
PLOT DATE	= 8/17/2020	DATE	= 08/18/2020	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUE INVESTIGATION OF UNDERGROUND UTILITIES

SCALE: SHEET OF SHEETS STA. TO STA.

F.A./P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
=	2020-192-B	WILL	299	146
CONTRACT NO. 62M63				
* FAI 55, FAP 338		ILLINOIS	FED. AID PROJECT	

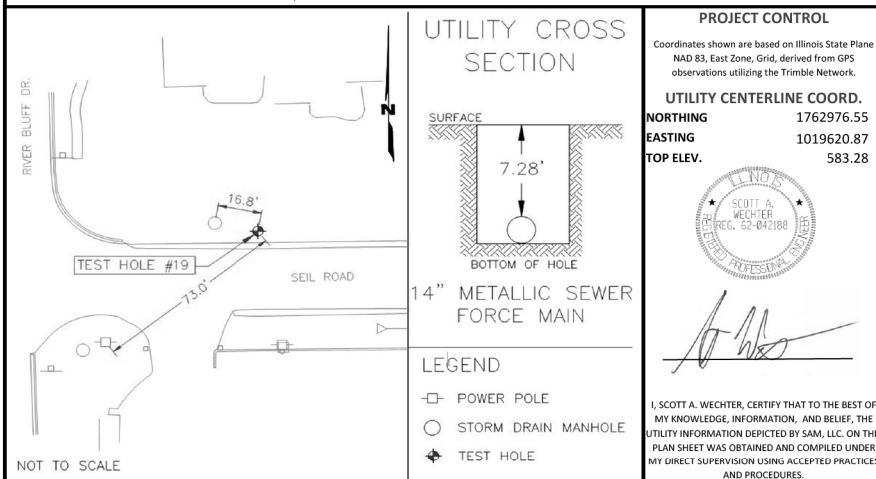


SURVEYING AND MAPPING LLC
890 CAMBRIDGE DRIVE, ELK GROVE VILLAGE, IL 60007
PH. 224-404-1300

SUE QUALITY LEVEL B
TEST HOLE 19
SHOREWOOD, IL
14" METALLIC SEWER
FORCE MAIN
7.28' DEEP

Project: IDOT-WO #163 62H15-SHOREWOOD Date Performed: 6/26/2020
I-55 AND IL ROUTE 59
SAM, LLC Project # 1018045328AE Client: IDOT REGION 1/DISTRICT 1

Project Location: SHOREWOOD, IL Surface Material & Thickness: EXISTING GROUND
Utility Location: NORTH SIDE OF SEIL ROAD Surface Elevation: 590.56
Approx. Offset From Edge Pavement: 7.0' Surface Condition: AVERAGE
Record Utility: 14" METALLIC SEWER FORCE MAIN Trench Material: DIRT
Utility Owner: VILLAGE OF SHOREWOOD Utility Bedding Material: UNKNOWN
Contact: ART COUNTRYMAN Utility Found: 14" METALLIC SEWER FORCE MAIN
Phone/Email: ACOUNTRYMAN@VIL.SHOREWOOD.IL.US Utility Condition: GOOD
Field Crew: JUAN PEREZ / JOSE GARCIA Utility Depth (Top): 7.28'
Field Conditions: CLOUDY H82/L73



Comments

- SAM, LLC laid out this Test Hole by designating the sewer force main prior to excavation of the utility.
- No additional utilities were found within trench excavation.
- Unable to visually verify utility due to water penetration in test hole. Tapped with air lance what we believe to be utility to verify shape and depth.
- Per Art Countryman with the village of Shorewood it's 14" ductile iron force main.

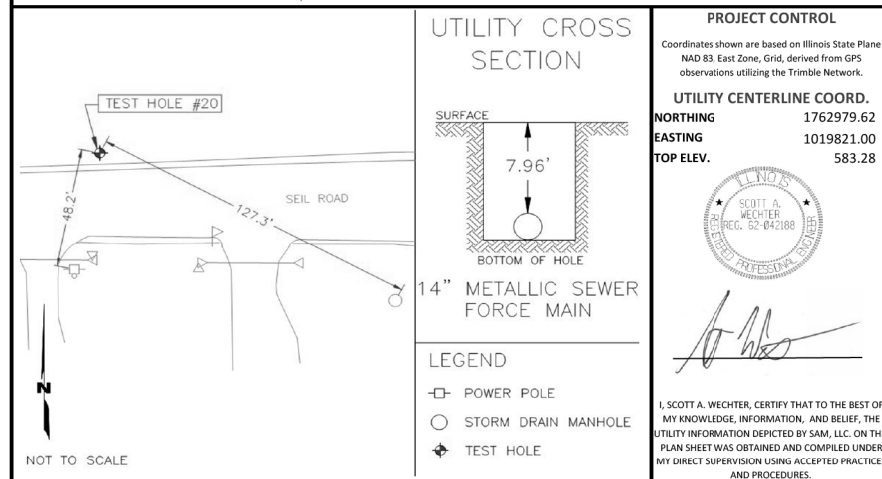


SURVEYING AND MAPPING LLC
890 CAMBRIDGE DRIVE, ELK GROVE VILLAGE, IL 60007
PH. 224-404-1300

SUE QUALITY LEVEL B
TEST HOLE 20
SHOREWOOD, IL
14" METALLIC SEWER
FORCE MAIN
7.96' DEEP

Project: IDOT-WO #163 62H15-SHOREWOOD Date Performed: 6/30/2020
I-55 AND IL ROUTE 59
SAM, LLC Project # 1018045328AE Client: IDOT REGION 1/DISTRICT 1

Project Location: SHOREWOOD, IL Surface Material & Thickness: EXISTING GROUND
Utility Location: NORTH SIDE OF SEIL ROAD Surface Elevation: 591.24
Approx. Offset From Edge Pavement: 7.0' Surface Condition: AVERAGE
Record Utility: 14" METALLIC SEWER FORCE MAIN Trench Material: DIRT
Utility Owner: VILLAGE OF SHOREWOOD Utility Bedding Material: UNKNOWN
Contact: ART COUNTRYMAN Utility Found: 14" METALLIC SEWER FORCE MAIN
Phone/Email: ACOUNTRYMAN@VIL.SHOREWOOD.IL.US Utility Condition: GOOD
Field Crew: JUAN PEREZ / JOSE GARCIA Utility Depth (Top): 7.96'
Field Conditions: CLOUDY H89/L75



Comments

- SAM, LLC laid out this Test Hole by designating the sewer force main prior to excavation of the utility.
- No additional utilities were found within trench excavation.
- Unable to visually verify utility due to ground water penetration in test hole. Tapped with air lance what we believe to be utility to verify shape and depth.
- Per Art Countryman with the village of Shorewood it's 14" ductile iron force main.

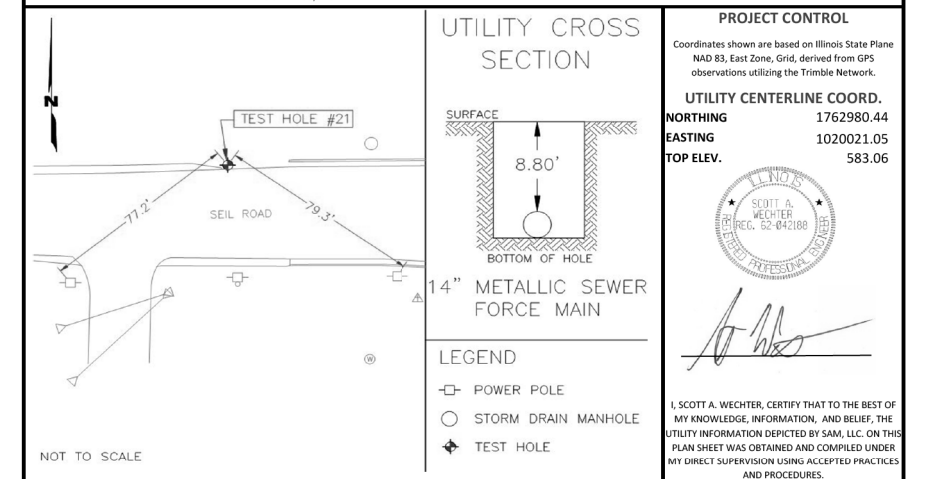


SURVEYING AND MAPPING LLC
890 CAMBRIDGE DRIVE, ELK GROVE VILLAGE, IL 60007
PH. 224-404-1300

SUE QUALITY LEVEL B
TEST HOLE 21
SHOREWOOD, IL
14" METALLIC SEWER
FORCE MAIN
8.80' DEEP

Project: IDOT-WO #163 62H15-SHOREWOOD Date Performed: 6/30/2020
I-55 AND IL ROUTE 59
SAM, LLC Project # 1018045328AE Client: IDOT REGION 1/DISTRICT 1

Project Location: SHOREWOOD, IL Surface Material & Thickness: EXISTING GROUND
Utility Location: NORTH SIDE OF SEIL ROAD Surface Elevation: 591.86
Approx. Offset From Edge Pavement: 1.3' Surface Condition: AVERAGE
Record Utility: 14" METALLIC SEWER FORCE MAIN Trench Material: DIRT
Utility Owner: VILLAGE OF SHOREWOOD Utility Bedding Material: UNKNOWN
Contact: ART COUNTRYMAN Utility Found: 14" METALLIC SEWER FORCE MAIN
Phone/Email: ACOUNTRYMAN@VIL.SHOREWOOD.IL.US Utility Condition: GOOD
Field Crew: JUAN PEREZ / JOSE GARCIA Utility Depth (Top): 8.80'
Field Conditions: CLOUDY H89/L75



Comments

- SAM, LLC laid out this Test Hole by designating the sewer force main prior to excavation of the utility.
- No additional utilities were found within trench excavation.
- Unable to visually verify utility due to ground water penetration in test hole. Tapped with air lance what we believe to be utility to verify shape and depth.
- Per Art Countryman with the village of Shorewood it's 14" ductile iron force main.

MODEL: Default
FILE: Model: pub\benefech-pw\benefech-pw-01\Documents\107005\107140_00\Eng_Docs_Adv_Conc\Utilities\162M32-shit-sue-054.dgn

USER NAME = jworthington	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 24,0000' / ft.	CHECKED -	REVISED -
PLOT DATE = 8/17/2020	DATE - 08/18/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUE INVESTIGATION OF UNDERGROUND UTILITIES

SCALE: SHEET OF SHEETS STA. TO STA.

F.A./P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-	2020-192-B	WILL	299	147
CONTRACT NO. 62M63				
* FAI 55, FAP 338	ILLINOIS	FED. AID PROJECT		

SAM SURVEYING AND MAPPING LLC
890 CAMBRIDGE DRIVE, ELK GROVE VILLAGE, IL 60007
PH. 224-404-1300

SUE QUALITY LEVEL B
TEST HOLE 22
SHOREWOOD, IL
14" PLASTIC SEWER
FORCE MAIN
6.50' DEEP

Project: IDOT-WO #163 62H15-SHOREWOOD I-55 AND IL ROUTE 59 Date Performed: 7/1/2020
SAM, LLC Project # 1018045328AE Client: IDOT REGION 1/DISTRICT 1

Project Location: SHOREWOOD, IL Surface Material & Thickness: EXISTING GROUND
Utility Location: NORTH SIDE OF SEIL ROAD Surface Elevation: 590.52
Approx. Offset From Back of Curb: 21.7' Surface Condition: AVERAGE
Record Utility: 14" PLASTIC SEWER FORCE MAIN Trench Material: DIRT
Utility Owner: VILLAGE OF SHOREWOOD Utility Bedding Material: UNKNOWN
Contact: ART COUNTRYMAN Utility Found: 14" PLASTIC SEWER FORCE MAIN
Phone/Email: ACOUNTRYMAN@VIL.SHOREWOOD.IL.US Utility Condition: GOOD
Field Crew: JUAN PEREZ / JOSE GARCIA Utility Depth (Top): 6.50'
Field Conditions: CLOUDY H89/L75

UTILITY CROSS SECTION

PROJECT CONTROL
Coordinates shown are based on Illinois State Plane NAD 83, East Zone, Grid, derived from GPS observations utilizing the Trimble Network.
UTILITY CENTERLINE COORD.
NORTHING 1763007.06
EASTING 1020428.53
TOP ELEV. 584.02

I, SCOTT A. WECHTER, CERTIFY THAT TO THE BEST OF MY KNOWLEDGE, INFORMATION, AND BELIEF, THE UTILITY INFORMATION DEPICTED BY SAM, LLC. ON THIS PLAN SHEET WAS OBTAINED AND COMPILED UNDER MY DIRECT SUPERVISION USING ACCEPTED PRACTICES AND PROCEDURES.

Comments
1. SAM, LLC laid out this Test Hole by designating the sewer force main prior to excavation of the utility.
2. No additional utilities were found within trench excavation.
3. Unable to visually verify utility due to ground water penetration in test hole. Tapped with air lance what we believe to be utility to verify shape and depth.
4. Per Art Countryman with the village of Shorewood it's 14" plastic force main.

SAM SURVEYING AND MAPPING LLC
890 CAMBRIDGE DRIVE, ELK GROVE VILLAGE, IL 60007
PH. 224-404-1300

SUE QUALITY LEVEL A
TEST HOLE 22A
SHOREWOOD, IL
CONCRETE CAP
FORCE MAIN
8.00' DEEP

Project: IDOT-WO #163 62H15-SHOREWOOD I-55 AND IL ROUTE 59 Date Performed: 7/1/2020
SAM, LLC Project # 1018045328AE Client: IDOT REGION 1/DISTRICT 1

Project Location: SHOREWOOD, IL Surface Material & Thickness: 12" Asphalt
Utility Location: NORTH SIDE OF SEIL ROAD Surface Elevation: 592.72
Approx. Offset From Back of Curb: 3.3' Surface Condition: AVERAGE
Record Utility: 14" PLASTIC SEWER FORCE MAIN Trench Material: DIRT
Utility Owner: VILLAGE OF SHOREWOOD Utility Bedding Material: UNKNOWN
Contact: ART COUNTRYMAN Utility Found: CONCRETE CAP
Phone/Email: ACOUNTRYMAN@VIL.SHOREWOOD.IL.US Utility Condition: UNKNOWN
Field Crew: JUAN PEREZ / JOSE GARCIA Concrete Cap Depth: 8.00'
Field Conditions: CLOUDY H89/L75

UTILITY CROSS SECTION

PROJECT CONTROL
Coordinates shown are based on Illinois State Plane NAD 83, East Zone, Grid, derived from GPS observations utilizing the Trimble Network.
UTILITY CENTERLINE COORD.
NORTHING 1762982.00
EASTING 1020344.22
TOP ELEV. 584.72

I, SCOTT A. WECHTER, CERTIFY THAT TO THE BEST OF MY KNOWLEDGE, INFORMATION, AND BELIEF, THE UTILITY INFORMATION DEPICTED BY SAM, LLC. ON THIS PLAN SHEET WAS OBTAINED AND COMPILED UNDER MY DIRECT SUPERVISION USING ACCEPTED PRACTICES AND PROCEDURES.

Comments
1. SAM, LLC laid out this Test Hole by designating the sewer force main prior to excavation of the utility.
2. No additional utilities were found within trench excavation.
3. Force main found to have possible concrete casing.

SAM SURVEYING AND MAPPING LLC
890 CAMBRIDGE DRIVE, ELK GROVE VILLAGE, IL 60007
PH. 224-404-1300

SUE QUALITY LEVEL A
TEST HOLE 23
SHOREWOOD, IL
14" PLASTIC SEWER
FORCE MAIN
4.53' DEEP

Project: IDOT-WO #163 62H15-SHOREWOOD I-55 AND IL ROUTE 59 Date Performed: 6/29/2020
SAM, LLC Project # 1018045328AE Client: IDOT REGION 1/DISTRICT 1

Project Location: SHOREWOOD, IL Surface Material & Thickness: 12" Asphalt
Utility Location: NORTH SIDE OF SEIL ROAD Surface Elevation: 587.95
Approx. Offset From Conc. Culvert: 23.6' Surface Condition: AVERAGE
Record Utility: 14" PLASTIC SEWER FORCE MAIN Trench Material: DIRT
Utility Owner: VILLAGE OF SHOREWOOD Utility Bedding Material: UNKNOWN
Contact: ART COUNTRYMAN Utility Found: 14" PLASTIC SEWER FORCE MAIN
Phone/Email: ACOUNTRYMAN@VIL.SHOREWOOD.IL.US Utility Condition: GOOD
Field Crew: JUAN PEREZ / JOSE GARCIA Utility Depth (Top): 4.53'
Field Conditions: CLOUDY H89/L75

UTILITY CROSS SECTION

PROJECT CONTROL
Coordinates shown are based on Illinois State Plane NAD 83, East Zone, Grid, derived from GPS observations utilizing the Trimble Network.
UTILITY CENTERLINE COORD.
NORTHING 1763072.26
EASTING 1020828.62
TOP ELEV. 583.42

I, SCOTT A. WECHTER, CERTIFY THAT TO THE BEST OF MY KNOWLEDGE, INFORMATION, AND BELIEF, THE UTILITY INFORMATION DEPICTED BY SAM, LLC. ON THIS PLAN SHEET WAS OBTAINED AND COMPILED UNDER MY DIRECT SUPERVISION USING ACCEPTED PRACTICES AND PROCEDURES.

Comments
1. SAM, LLC laid out this Test Hole by designating the sewer force main prior to excavation of the utility.
2. No additional utilities were found within trench excavation.
3. Per Art Countryman with the village of Shorewood it's 14" ductile iron force main.

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	DATE - 08/18/2020	REVISED -

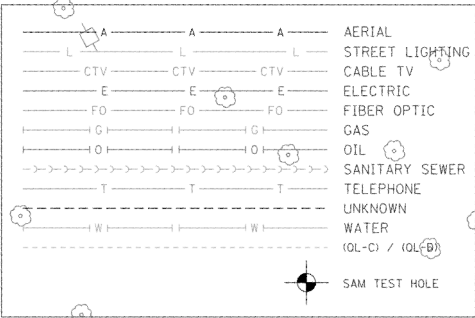
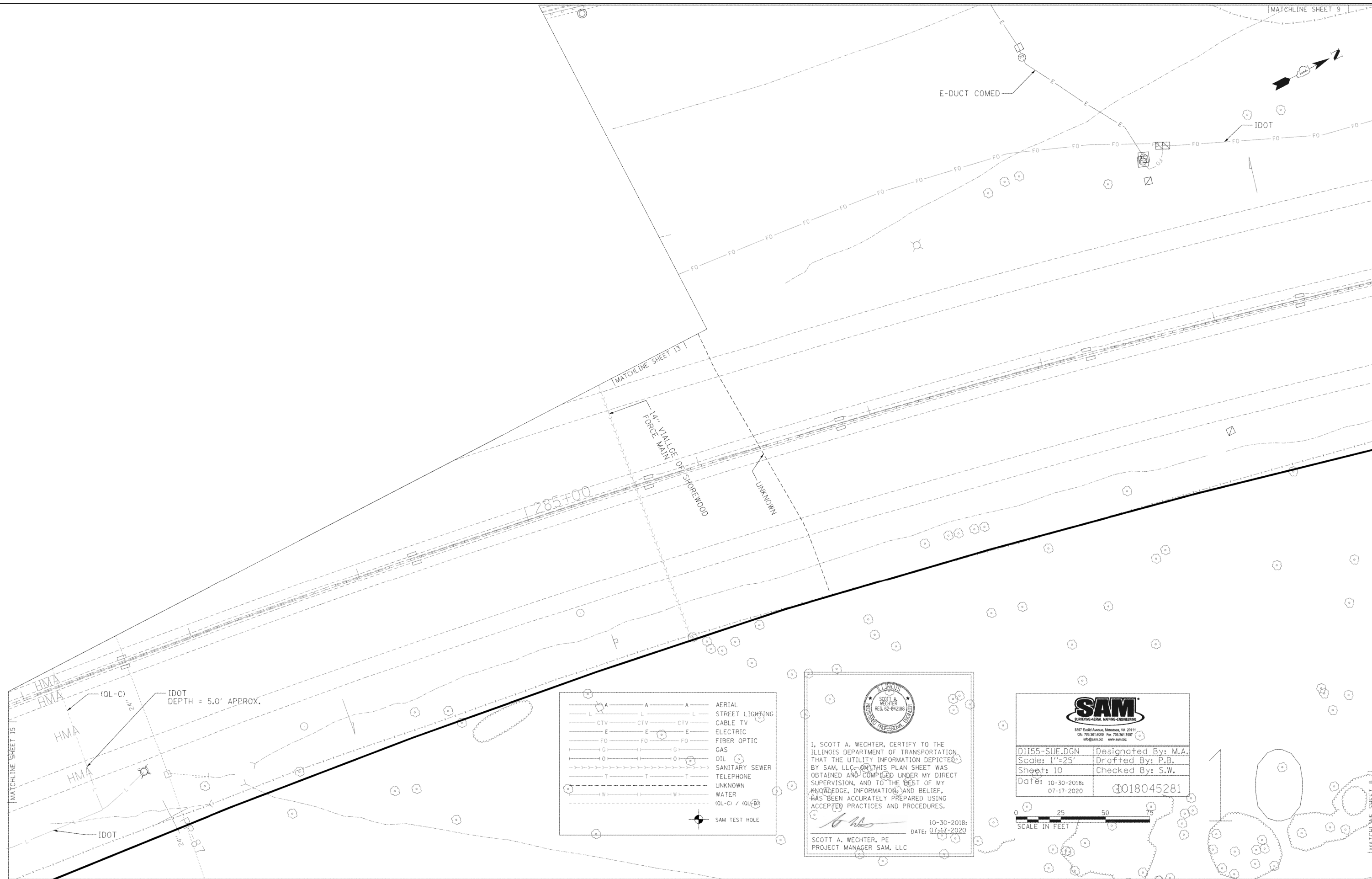
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUE INVESTIGATION OF UNDERGROUND UTILITIES

SCALE: SHEET OF SHEETS STA. TO STA.

F.A./P.RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
=	2020-192-B	WILL	299	148
CONTRACT NO. 62M63				
* FAI 55, FAP 338	ILLINOIS	FED. AID PROJECT		

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 63907



ILLINOIS
 SCOTT A. WECHTER
 REG. 62-042189
 PROFESSIONAL ENGINEER

I, SCOTT A. WECHTER, CERTIFY TO THE ILLINOIS DEPARTMENT OF TRANSPORTATION THAT THE UTILITY INFORMATION DEPICTED BY SAM, LLC, ON THIS PLAN SHEET WAS OBTAINED AND COMPILED UNDER MY DIRECT SUPERVISION, AND TO THE BEST OF MY KNOWLEDGE, INFORMATION, AND BELIEF, HAS BEEN ACCURATELY PREPARED USING ACCEPTED PRACTICES AND PROCEDURES.

DATE: 10-30-2018
 DATE: 07-17-2020

SCOTT A. WECHTER, PE
 PROJECT MANAGER SAM, LLC

SAM
 SURVEYING-GENERAL MAPPING-ENGINEERING
 8397 Euclid Avenue, Manassas, VA 20111
 (703) 361-8000 Fax (703) 361-7587
 info@sam.biz www.sam.biz

D1155-SUE.DGN	Designated By: M.A.
Scale: 1"=25'	Drafted By: P.B.
Sheet: 10	Checked By: S.W.
Date: 10-30-2018; 07-17-2020	4018045281

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PLOT DATE = 8/17/2020	CHECKED -	REVISED -
	DATE - 08/18/2020	REVISED -

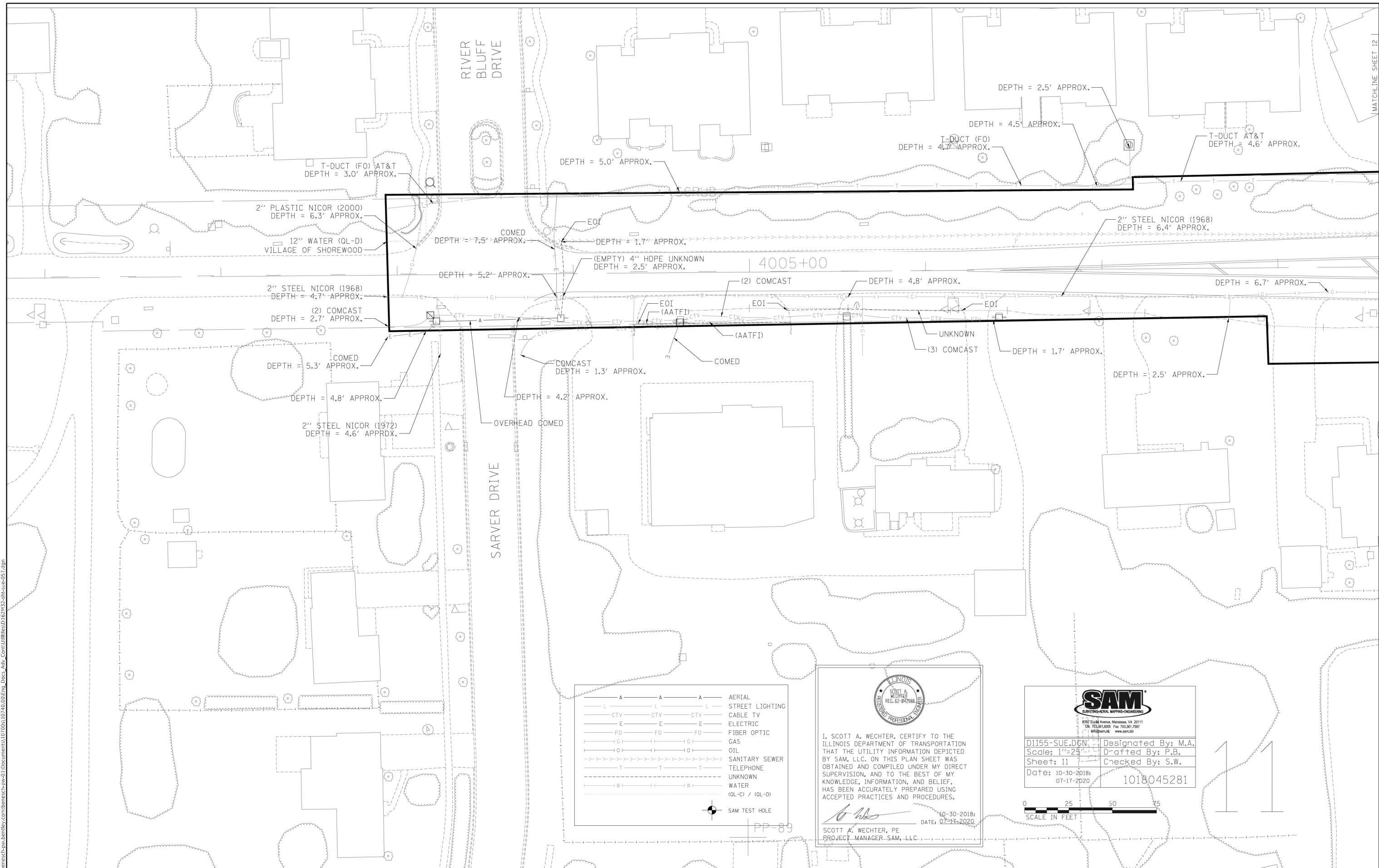
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SUE INVESTIGATION OF UNDERGROUND UTILITIES


SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.
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F.A./P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-	2020-192-B	WILL	299	149
CONTRACT NO. 62M63				
* FAI 55, FAP 338 ILLINOIS FED. AID PROJECT				

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A	A	A	AERIAL STREET LIGHTING
L	L	L	CABLE TV
CTV	CTV	CTV	ELECTRIC
E	E	E	FIBER OPTIC
FO	FO	FO	GAS
(G)	(G)	(G)	OIL
(O)	(O)	(O)	SANITARY SEWER
T	T	T	TELEPHONE
W	W	W	UNKNOWN
(L-C)	(L-C)	(L-C)	WATER
			(OL-C) / (OL-D)
			SAM TEST HOLE

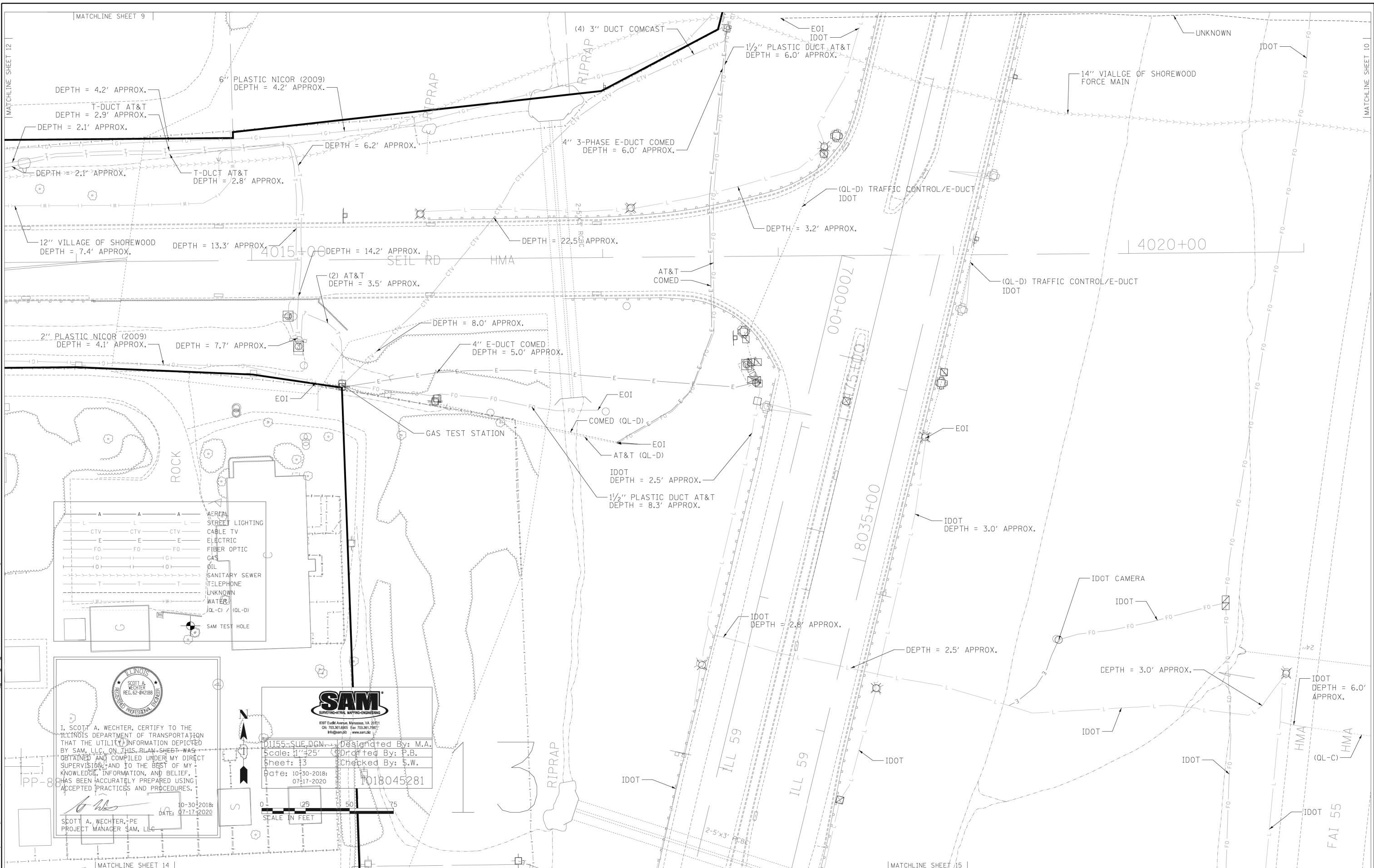

 I, SCOTT A. WECHTER, CERTIFY TO THE ILLINOIS DEPARTMENT OF TRANSPORTATION THAT THE UTILITY INFORMATION DEPICTED BY SAM, LLC, ON THIS PLAN SHEET WAS OBTAINED AND COMPILED UNDER MY DIRECT SUPERVISION, AND TO THE BEST OF MY KNOWLEDGE, INFORMATION, AND BELIEF, HAS BEEN ACCURATELY PREPARED USING ACCEPTED PRACTICES AND PROCEDURES.
 DATE: 10-30-2018
 DATE: 07-17-2020
 SCOTT A. WECHTER, PE
 PROJECT MANAGER - SAM, LLC


 8307 Eads Avenue, Manassas, VA 20111
 Tel: 703.361.6500 Fax: 703.361.2567
 info@sam.us www.sam.us

D1155-SUE.DGN	Designated By: M.A.
Scale: 1"=25'	Drafted By: P.B.
Sheet: 11	Checked By: S.W.
Date: 10-30-2018; 07-17-2020	1018045281



USER NAME = jworthington PLOT SCALE = 24,0000' / ft. PLOT DATE = 8/17/2020	DESIGNED - DRAWN - CHECKED - DATE - 08/18/2020	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUE INVESTIGATION OF UNDERGROUND UTILITIES	SCALE: SHEET OF SHEETS STA. TO STA.	F.A./P.RTE. SECTION COUNTY TOTAL SHEETS SHEET NO.
	DATE - 08/18/2020	CONTRACT NO. 62M63				* FAI 55, FAP 338 ILLINOIS FED. AID PROJECT



CTV	CTV	CTV	AERIAL STREET LIGHTING
E	E	E	CABLE TV
FO	FO	FO	ELECTRIC
G	G	G	FIBER OPTIC
OI	OI	OI	GAS
T	T	T	OIL
			SANITARY SEWER
			TELEPHONE
			UNKNOWN
			WATER
			QL-C / QL-D
			SAM TEST HOLE

ILLINOIS
 SOLE PRACTICE PROFESSIONAL ENGINEER
 REG. NO. 042188
 SCOTT A. WECHTER

I, SCOTT A. WECHTER, CERTIFY TO THE ILLINOIS DEPARTMENT OF TRANSPORTATION THAT THE UTILITY INFORMATION DEPICTED BY SAM, LLC ON THIS PLAN SHEET WAS OBTAINED AND COMPILED UNDER MY DIRECT SUPERVISION AND TO THE BEST OF MY KNOWLEDGE, INFORMATION, AND BELIEF, HAS BEEN ACCURATELY PREPARED USING ACCEPTED PRACTICES AND PROCEDURES.

DATE: 10-30-2018
 DATE: 07-17-2020
 SCOTT A. WECHTER, PE
 PROJECT MANAGER SAM, LLC



D1155-SUE.DGN Designated By: M.A.
 Scale: 1"=25' Drafted By: P.B.
 Sheet: 13 Checked By: S.W.
 Date: 10-30-2018
 07-17-2020
 1018045281



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PLOT DATE = 8/17/2020	CHECKED -	REVISED -
	DATE - 08/18/2020	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SUE INVESTIGATION OF UNDERGROUND UTILITIES

SCALE: SHEET OF SHEETS STA. TO STA.

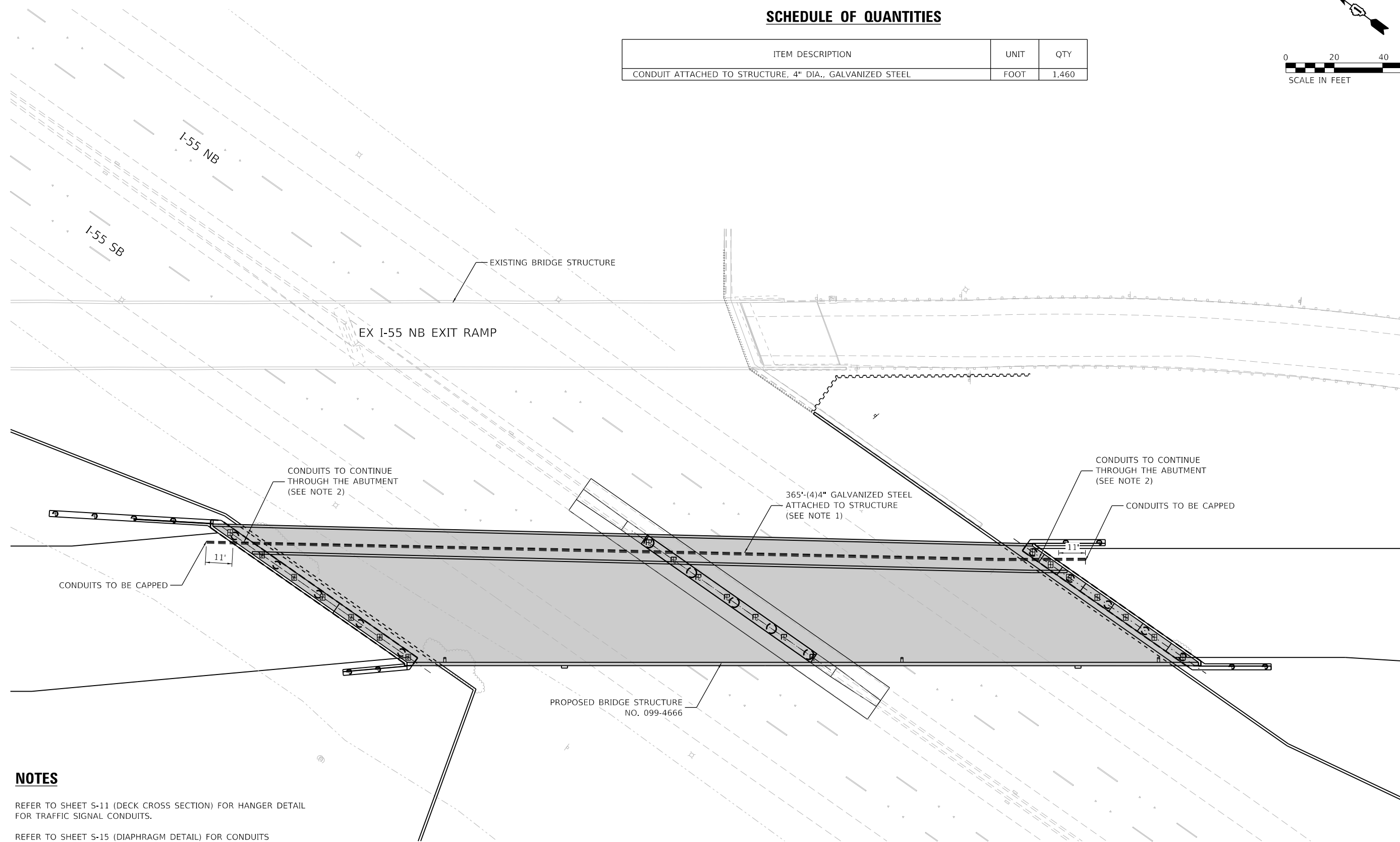
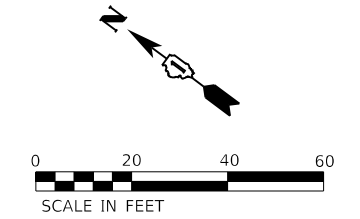
F.A./P.RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
=	2020-192-B	WILL	299	152
CONTRACT NO. 62M63				

* FAI 55, FAP 338 ILLINOIS FED. AID PROJECT

D162M32-sht-sue-059.dgn 63907

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	QTY
CONDUIT ATTACHED TO STRUCTURE, 4" DIA., GALVANIZED STEEL	FOOT	1,460



NOTES

- REFER TO SHEET S-11 (DECK CROSS SECTION) FOR HANGER DETAIL FOR TRAFFIC SIGNAL CONDUITS.
- REFER TO SHEET S-15 (DIAPHRAGM DETAIL) FOR CONDUITS THROUGH THE ABUTMENT DETAIL.

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TRAFFIC SIGNAL CONDUIT PLAN

SCALE: 1"=20' SHEET OF SHEETS STA. TO STA.

F.A./P.RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2020-192-B	WILL	299	153
CONTRACT NO. 62M63				
* FAI 55, FAP 338 ILLINOIS FED. AID PROJECT				

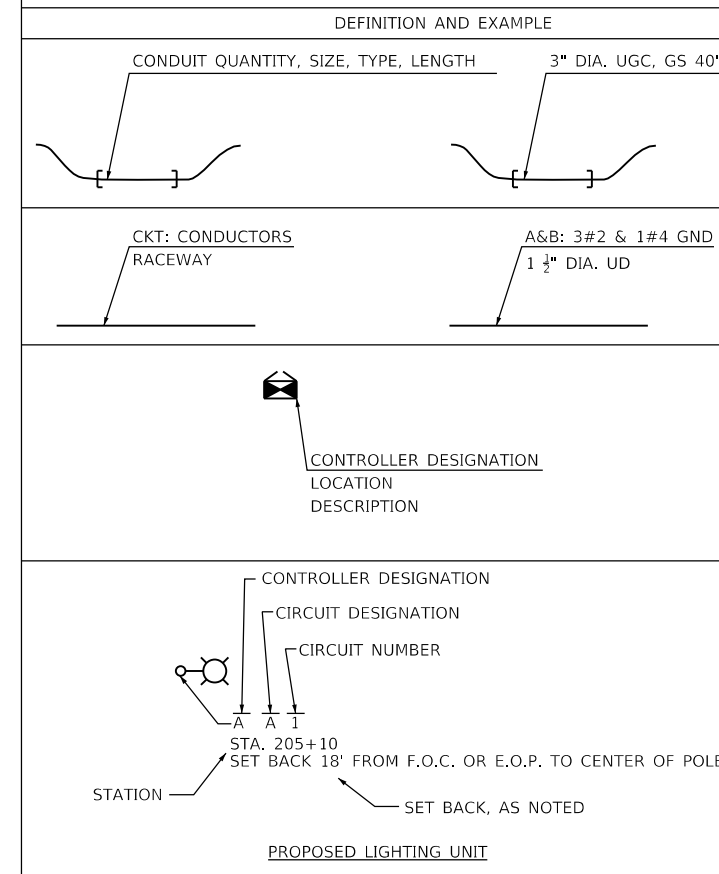
LIGHTING AND ELECTRICAL LEGEND

SYMBOL	DESCRIPTION
	PROPOSED FOUNDATION FOR FUTURE BRIDGE PARAPET WALL MOUNTED LIGHTING UNIT
	TEMPORARY LIGHTING UNIT, 60 FT WOOD POLE, 15 FT MAST ARM, LED LUMINAIRE AT 50 FT MOUNTING HEIGHT
	EXISTING LIGHTING UNIT TO BE REMOVED AND SALVAGED FOR USE IN FUTURE CONTRACT
	EXISTING LIGHTING UNIT TO REMAIN IN PLACE
	TEMPORARY WOOD POLE, CLASS 4, 60 FT
	EXISTING JUNCTION BOX
	PROPOSED JUNCTION BOX, SIZE AND TYPE AS NOTED
	EXISTING IDOT LIGHTING CONTROLLER
	PROPOSED UNDERPASS LUMINAIRE, LED, OUTPUT DESIGNATION D
	EXISTING UNDERPASS LUMINAIRE
	PROPOSED UNIT DUCT, SIZE AND TYPE AS NOTED
	PROPOSED CONDUIT (EMBEDDED OR ATTACHED TO STRUCTURE), SIZE AND TYPE AS NOTED
	EXISTING UNIT DUCT OR CONDUIT TO REMAIN
	EXISTING UNIT DUCT TO BE ABANDONED IN PLACE
	TEMPORARY AERIAL CABLE WITH MESSENGER WIRE, SIZE AND TYPE AS NOTED

ABBREVIATIONS

ABBREVIATION	DESCRIPTION
AC	ALTERNATING CURRENT
A/C	AERIAL CABLE
ATS	ATTACHED TO STRUCTURE
B.O.C.	BACK OF CURB
CB	CIRCUIT BREAKER
CKT	CIRCUIT
CM	CENTIMETER
COMED	COMMONWEALTH EDISON COMPANY
CP	CONTROL PANEL
CT	CURRENT TRANSFORMER
DA	DAVIT ARM
DC	DIRECT CURRENT
DIA	DIAMETER
DP	DISTRIBUTION PANEL
E	EXISTING UNIT TO REMAIN
EX.	EXISTING
ECA	ELECTRIC CABLE ASSEMBLY
EIS	EMBEDDED IN STRUCTURE
E.O.P.	EDGE OF PAVEMENT
F.O.C.	FACE OF CURB
FT	FEET OR FOOT
FU	FUSE
GND	GROUND
HID	HIGH INTENSITY DISCHARGE
JB	JUNCTION BOX
KVA	KILOVOLT-AMPERE
KW	KILOWATTS
LED	LIGHT EMITTING DIODE
LP	LIGHT POLE
M	METER
MA	MAST ARM
MC	MULTI-CONDUCTOR
MM	MILLIMETER
M.H.	MOUNTING HEIGHT
MW	MESSENGER WIRE
NESC	NATIONAL ELECTRIC SAFETY CODE
NO. #	NUMBER
N.T.S.	NOT TO SCALE
PR	PROPOSED
PB	PUSH BUTTON
PNL	PANEL
PVC	POLYVINYL CHLORIDE
PVCC	PVC COATED RIGID GALVANIZED CONDUIT
PT	POTENTIAL TRANSFORMER
R	EXISTING UNIT TO BE REMOVED (OWNER SALVAGED U.N.O.)
RR	EXISTING UNIT TO BE REMOVED AND REINSTALLED
RECP	RECEPTACLE
RGC	RIGID GALVANIZED CONDUIT
SEL SW	SELECTOR SWITCH
SPARE	SPARE
SPACE	SPACE
SS	STAINLESS STEEL
STA	STATION
T/F	TOP OF FOUNDATION
UD	UNIT DUCT
U.N.O.	UNLESS NOTED OTHERWISE
UGC, GS	UNDERGROUND CONDUCT, GALVANIZED STEEL
VAC	VOLTS, ALTERNATING CURRENT
W	WATTS
WP	WOOD POLE
XFMR	TRANSFORMER
HPS	HIGH PRESSURE SODIUM
LPS	LOW PRESSURE SODIUM
LTFM	LIQUID TIGHT FLEXIBLE METALLIC

CALL-OUT SAMPLE



GENERAL NOTES

1. THE ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST CODES, STANDARDS, AND THE IDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION ADOPTED APRIL 1, 2016, AND SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS.
2. THE CONTRACTOR SHALL CONTACT MEADE ELECTRIC CO. DISTRICT ONE ELECTRICAL MAINTENANCE CONTRACTOR TO LOCATE IDOT ELECTRICAL EQUIPMENT AND UNDERGROUND CABLES 773-287-7672.
3. ALL LIGHTING SHOWN AS TEMPORARY SHALL REMAIN IN PLACE AT THE END OF CONSTRUCTION.

IDOT-D1 DETAILS:

STANDARD NO. TITLE

BE-330	LIGHT POLE MOUNTED ON CONCRETE PARAPET WALL. 15" BOLT CIRCLE
BE-702	MISC. ELECTRICAL DETAILS SHEET A
BE-800	TEMPORARY LIGHT POLE DETAILS
BE-801	TEMPORARY AERIAL CABLE INSTALLATION
BE-901	SUSPENDED MOUNT LED UNDERPASS LUMINAIRE INSTALLATION DETAILS
BE-903	PIER/ABUTMENT MOUNTED LED UNDERPASS LUMINAIRE INSTALLATION DETAILS

IDOT HIGHWAY STANDARDS:

STANDARD NO. TITLE

812001-01	RACEWAY EMBEDDED IN STRUCTURE
-----------	-------------------------------

INDEX OF DRAWINGS

DRAWING NO.

TITLE

E-1	LEGEND, ABBREVIATIONS, GENERAL NOTES, AND INDEX OF DRAWINGS
E-2	SCHEDULE OF QUANTITIES
E-3 TO E-5	EXISTING LIGHTING REMOVAL AND TEMPORARY LIGHTING PLANS
E-6	PROPOSED BRIDGE LIGHTING PLAN
E-7	PROPOSED UNDERPASS LIGHTING PLAN
E-8	WIRING DIAGRAM

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DRAWN	- VGURSKAS
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PLOT DATE	= 8/17/2020

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CHECKED	- RPATEL
REVISION	-
DATE	- 08/18/2020
REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LEGEND, ABBREVIATIONS, GENERAL NOTES,
AND INDEX OF DRAWINGS


SCALE: NTS SHEET OF SHEETS STA. TO STA.

F.A./P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2020-192-B	WILL	299	154
CONTRACT NO. 62M63				
* FAI 55, FAP 338	ILLINOIS	FED. AID PROJECT		

SCHEDULE OF ROADWAY LIGHTING QUANTITIES – IDOT

DESCRIPTION	UNIT	TOTAL QUANTITY
CONDUIT ATTACHED TO STRUCTURE, 1" DIA., PVC COATED GALVANIZED STEEL	FOOT	635
CONDUIT ATTACHED TO STRUCTURE, 3" DIA., PVC COATED GALVANIZED STEEL	FOOT	15
CONDUIT EMBEDDED IN STRUCTURE, 2" DIA., PVC	FOOT	658
JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 6" X 6" X 4"	EACH	4
JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 12" X 10" X 6"	EACH	5
JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 18" X 18" X 8"	EACH	1
UNIT DUCT, 600V, 3-1C NO.2, 1/C NO.4 GROUND, (XLP-TYPE USE), 1 1/2" DIA. POLYETHYLENE	FOOT	1,600
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	2,085
AERIAL CABLE, 3-1/C NO. 2 WITH MESSENGER WIRE	FOOT	3,865
LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H	EACH	25
LUMINAIRE, LED, UNDERPASS, WALLMOUNT, OUTPUT DESIGNATION D	EACH	2
LUMINAIRE, LED, UNDERPASS, SUSPENDED, OUTPUT DESIGNATION D	EACH	2
LIGHT POLE, WOOD, 60 FOOT, CLASS 4, WITH 15FT MAST ARM	EACH	25
REMOVAL OF LIGHTING UNIT, SALVAGE	EACH	22
REMOVAL OF POLE FOUNDATION	EACH	22
MAINTENANCE OF LIGHTING SYSTEM	CAL MO	14
TEMPORARY WOOD POLE, 60 FT., CLASS 4	EACH	2

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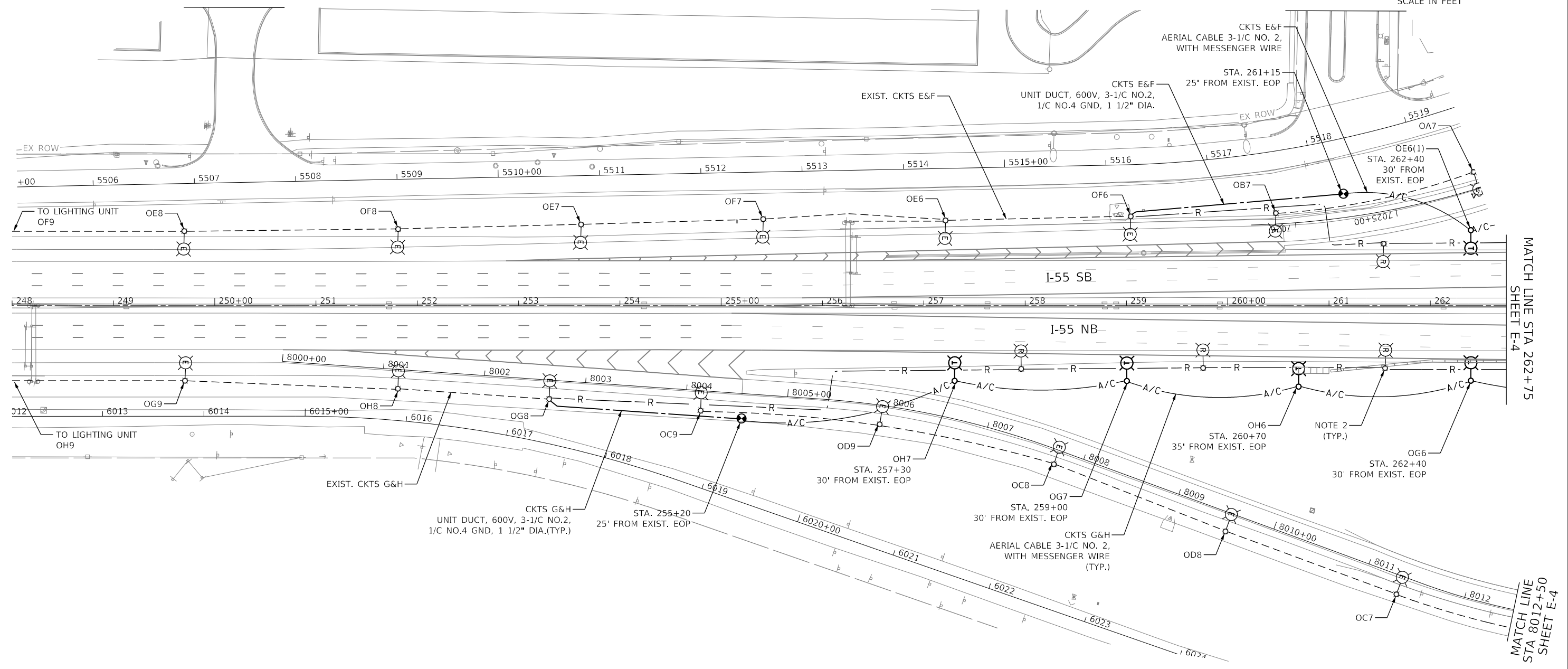
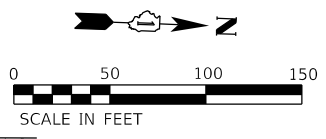
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES

SCALE: NTS SHEET OF SHEETS STA. TO STA.

F.A./P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2020-192-B	WILL	299	155
CONTRACT NO. 62M63				
* FAI 55, FAP 338	ILLINOIS	FED. AID PROJECT		



NOTES:

- SEE SHEET E-1 FOR LEGEND, ABBREVIATIONS, AND GENERAL NOTES.
- EXISTING LIGHT POLES THAT ARE REMOVED SHALL BE SALVAGED AND RETURNED TO IDOT.

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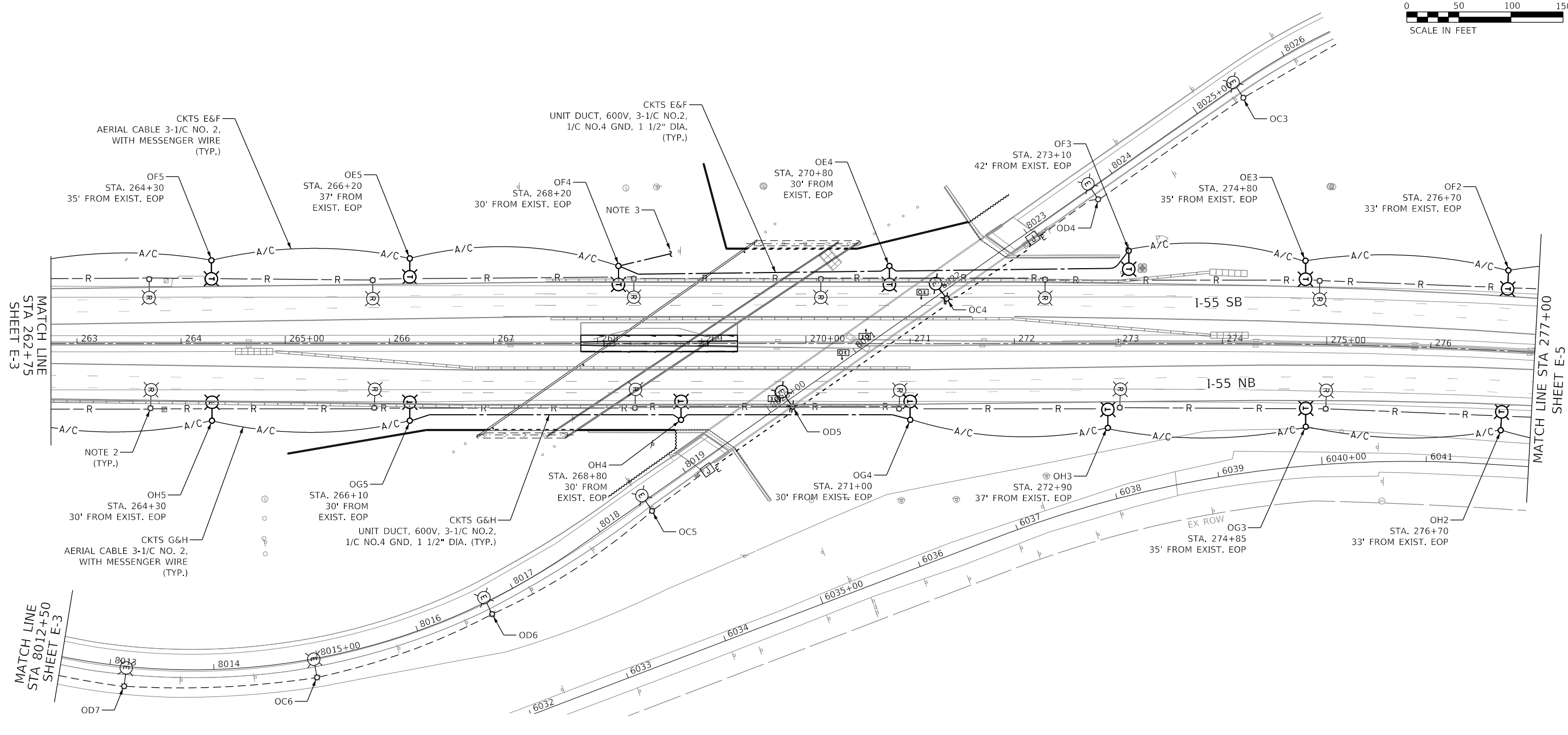
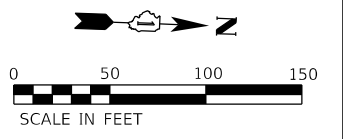
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PLOT DATE = 9/17/2020	DATE - 09/18/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EXISTING LIGHTING REMOVAL AND
TEMPORARY LIGHTING PLAN**

SCALE: 1"=50' SHEET OF SHEETS STA. TO STA.

F.A./P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
=	2020-192-B	WILL	299	156
				CONTRACT NO. 62M63
* FAI 55, FAP 338 ILLINOIS FED. AID PROJECT				



NOTES:

1. SEE SHEET E-1 FOR LEGEND, ABBREVIATIONS, AND GENERAL NOTES.
2. EXISTING LIGHT POLES THAT ARE REMOVED SHALL BE SALVAGED AND RETURNED TO IDOT.
3. PROVIDE TEMPORARY FEED TO PROPOSED UNDERPASS LIGHTING. SEE SHEET E-7 FOR CONTINUATION.

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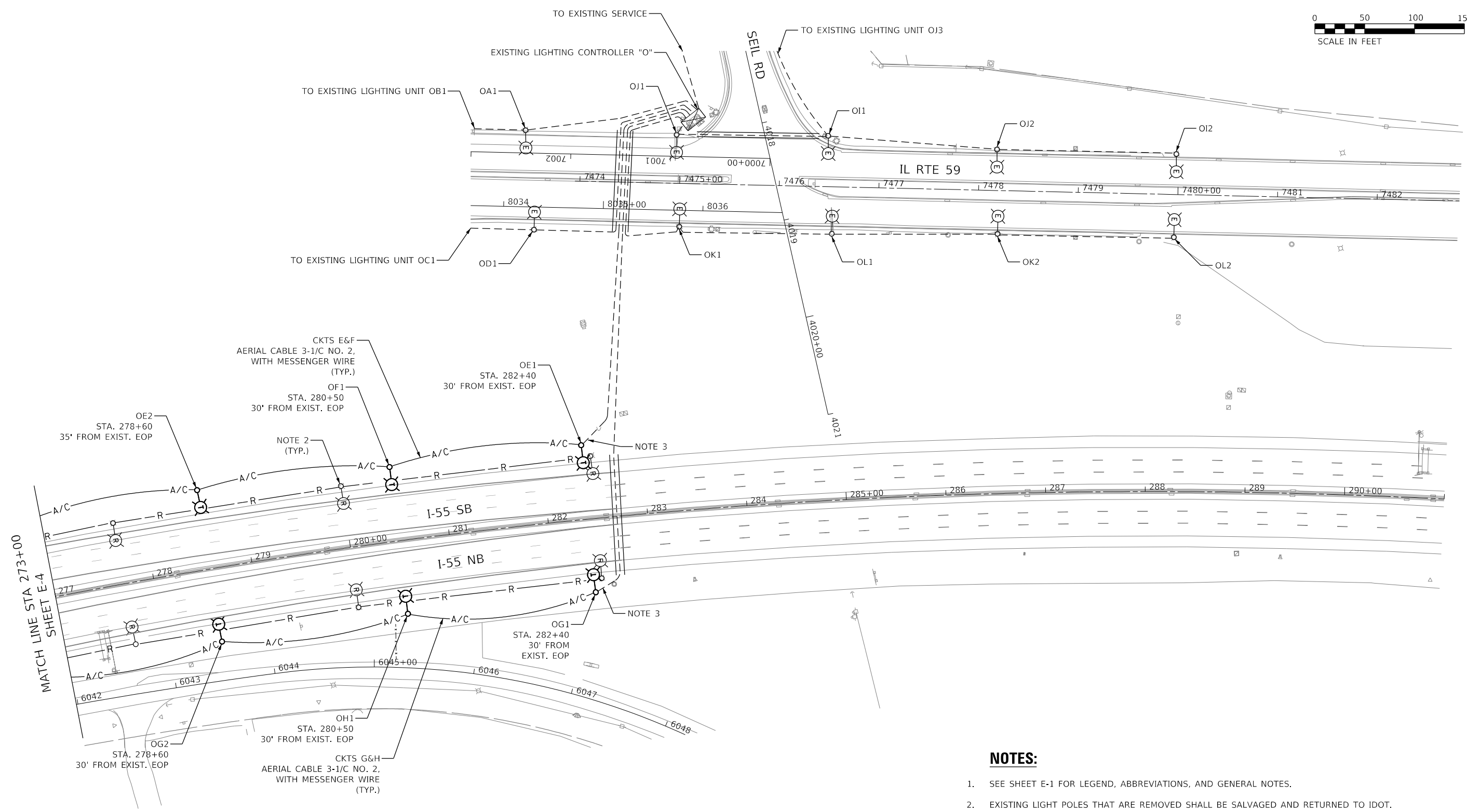
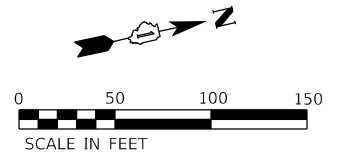
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PLOT DATE = 9/17/2020	DATE - 09/18/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EXISTING LIGHTING REMOVAL AND
TEMPORARY LIGHTING PLAN**

SCALE: 1" = 50' SHEET OF SHEETS STA. TO STA.

F.A./P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2020-192-B	WILL	299	157
CONTRACT NO. 62M63				
* FAI 55, FAP 338 ILLINOIS FED. AID PROJECT				



- NOTES:**
- SEE SHEET E-1 FOR LEGEND, ABBREVIATIONS, AND GENERAL NOTES.
 - EXISTING LIGHT POLES THAT ARE REMOVED SHALL BE SALVAGED AND RETURNED TO IDOT.
 - INTERCEPT EXISTING UNIT DUCT AND REROUTE TO TEMPORARY WOOD POLE.

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 DATE: 09/18/2020



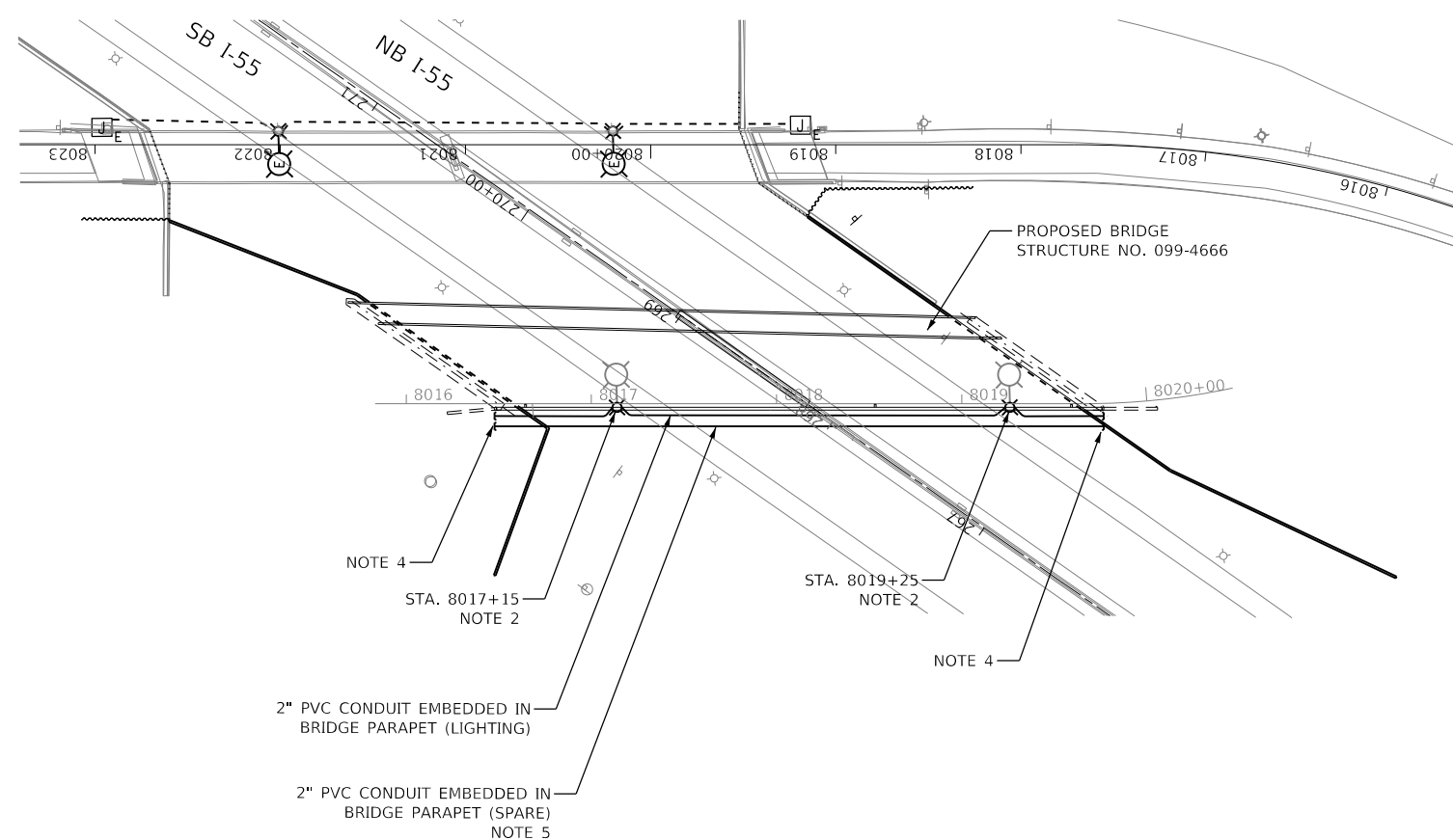
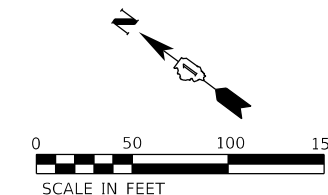
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CHECKED - RPATEL	REVISED -	
DATE - 09/18/2020	REVISED -	

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**EXISTING LIGHTING REMOVAL AND
 TEMPORARY LIGHTING PLAN**

SCALE: 1" = 50' SHEET OF SHEETS STA. TO STA.

F.A./P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2020-192-B	WILL	299	158
CONTRACT NO. 62M63				
* FAI 55, FAP 338	ILLINOIS	FED. AID PROJECT		



NOTES:

1. SEE SHEET E-1 FOR LEGEND, ABBREVIATIONS, AND GENERAL NOTES.
2. FOUNDATION FOR FUTURE BRIDGE MOUNTED POLE PER IDOT D1 STANDARD BE 330. COMPLETELY AND SECURELY COVER THE ANCHOR BOLTS AND CONDUIT STUB-UPS.
3. SEE IDOT HIGHWAY STANDARD 812001 FOR RACEWAY EMBEDDED IN STRUCTURE DETAILS.
4. EXTEND AND CAP BOTH PVC CONDUITS A MINIMUM 6" BEYOND END OF THE PARAPET FOR FUTURE CONNECTION AND EXTENTION TO THE CONDUITS INSTALLED IN CONTRACT 62H15.
5. SPARE CONDUIT SHALL NOT ENTER THE LIGHT POLE FOUNDATIONS.

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 2012/11/30



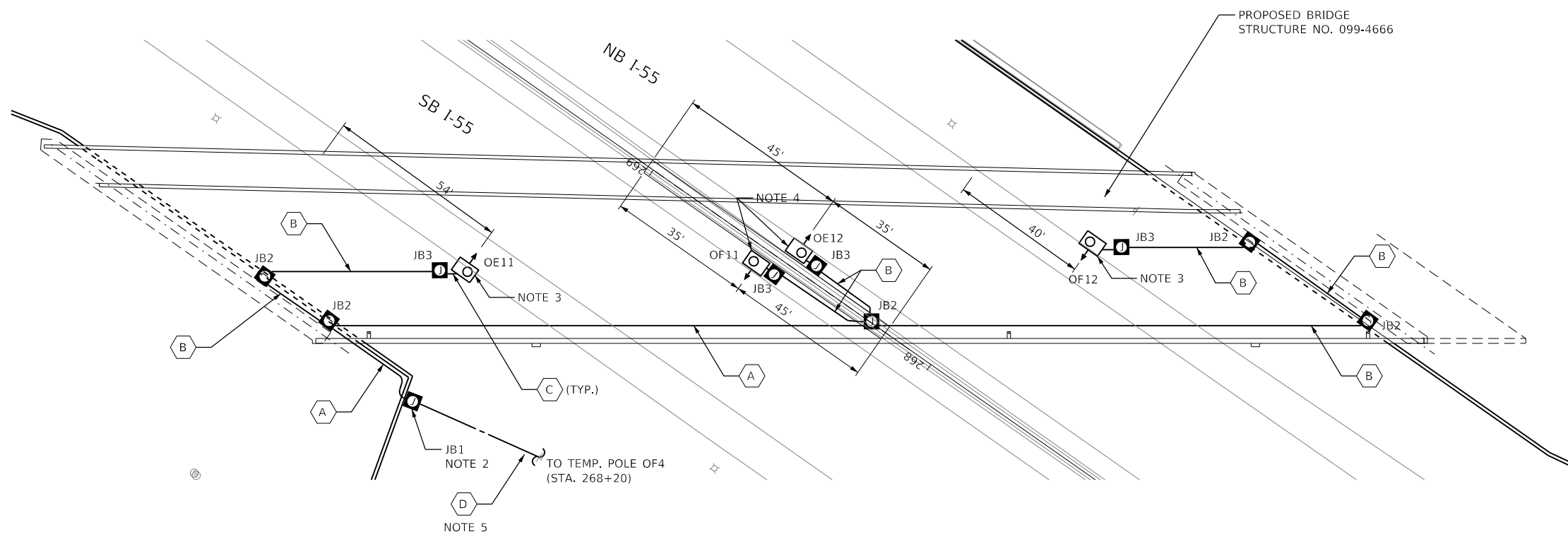
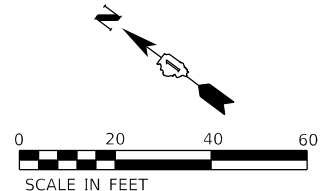
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PLOT DATE = 9/23/2020	CHECKED - RPATEL	REVISED -
	DATE - 09/18/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PROPOSED BRIDGE LIGHTING PLAN

SCALE: 1" = 50' SHEET OF SHEETS STA. TO STA.

F.A./P.RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-	2020-192-B	WILL	299	159
CONTRACT NO. 62M63				
* FAI 55, FAP 338		ILLINOIS FED. AID PROJECT		



PROPOSED UNDERPASS LIGHTING PLAN

NOTES:

1. SEE SHEET E-1 FOR LEGEND, ABBREVIATIONS, AND GENERAL NOTES.
2. INSTALL FUSEHOLDER WITH 30 AMP FUSES AND NEUTRAL SLUG INSIDE THE JUNCTION BOX.
3. PROPOSED UNDERPASS LUMINAIRE SUSPENDED FROM THE BRIDGE DECK. LUMINAIRE SHALL BE CENTERED IN THE BEAM SPACE AND SHALL BE POSITIONED AT 12 FT SET BACK FROM EXISTING EDGE OF PAVEMENT.
4. PROPOSED UNDERPASS LUMINAIRE MOUNTED TO MIDDLE PIER.
5. PROPOSED UNDERPASS LIGHTING SHALL BE CONNECTED TO ADJACENT TEMPORARY LIGHT POLE AND ENERGIZED AT THE END OF THE CONTRACT.

CABLE/CONDUIT SCHEDULE

- A 3-1/C NO.10 AND 1/C NO.10 GND IN 1" PVCC RGC, ATTACHED TO STRUCTURE
- B 2-1/C NO.10 AND 1/C NO.10 GND IN 1"PVCC RGC, ATTACHED TO STRUCTURE
- C 2-1/C NO.10 AND 1-1/C NO.10 GND IN 3/4" LIQUID-TIGHT FLEXIBLE CONDUIT
- D UNIT DUCT, 600V, 3-1C NO.2, 1/C NO.4 GROUND, (XLP-TYPE USE), 1 1/2" DIA. POLYETHYLENE

JUNCTION BOX SCHEDULE

- JB1 JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 18" X 18" X 8"
- JB2 JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 12" X 10" X 6"
- JB3 JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 6" X 6" X 4"

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 2012/11/30



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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

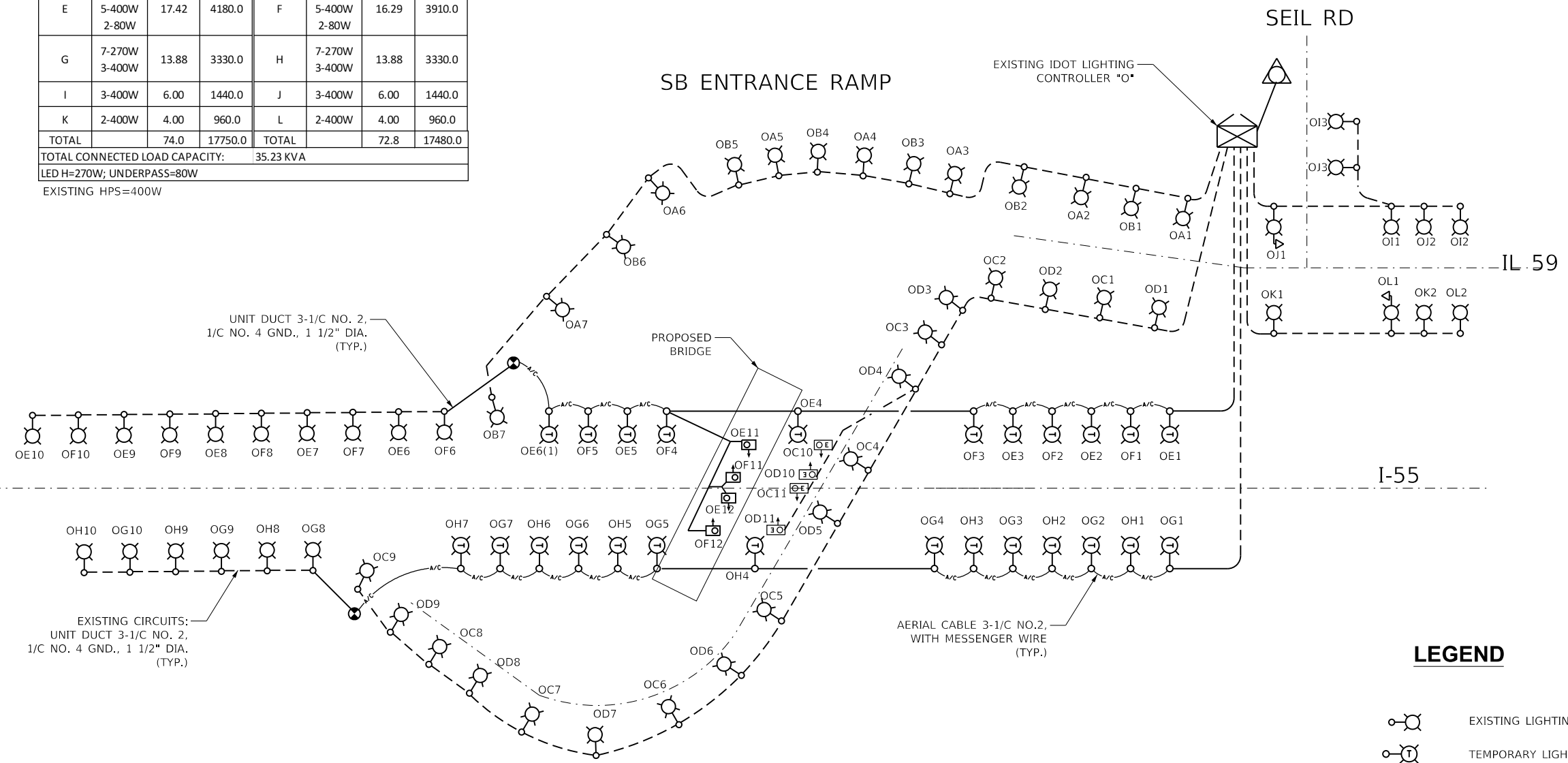
PROPOSED UNDERPASS LIGHTING PLAN

SCALE: 1" = 20' SHEET OF SHEETS STA. TO STA.

F.A./P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
=	2020-192-B	WILL	299	160
CONTRACT NO. 62M63				
* FAI 55, FAP 338	ILLINOIS	FED. AID PROJECT		



LOAD TABLE							
EXISTING LIGHTING CONTROLLER 'O'							
RED PHASE	NO. LUM. *	AMPS	WATTS	BLACK PHASE	NO. LUM. *	AMPS	WATTS
A	7-400W	14.00	3360.0	B	7-400W	14.00	3360.0
C	9-400W 2-80W	18.67	4480.0	D	9-400W 2-80W	18.67	4480.0
E	6-270W 5-400W 2-80W	17.42	4180.0	F	5-270W 5-400W 2-80W	16.29	3910.0
G	7-270W 3-400W	13.88	3330.0	H	7-270W 3-400W	13.88	3330.0
I	3-400W	6.00	1440.0	J	3-400W	6.00	1440.0
K	2-400W	4.00	960.0	L	2-400W	4.00	960.0
TOTAL		74.0	17750.0	TOTAL		72.8	17480.0
TOTAL CONNECTED LOAD CAPACITY:			35.23 KVA				
LED H=270W; UNDERPASS=80W							
EXISTING HPS=400W							



UNIT DUCT 3-1/C NO. 2,
1/C NO. 4 GND., 1 1/2" DIA.
(TYP.)

EXISTING CIRCUITS:
UNIT DUCT 3-1/C NO. 2,
1/C NO. 4 GND., 1 1/2" DIA.
(TYP.)

AERIAL CABLE 3-1/C NO.2,
WITH MESSENGER WIRE
(TYP.)

LEGEND

- EXISTING LIGHTING UNIT, 400W HPS LUMINAIRE
- TEMPORARY LIGHTING UNIT, LED LUMINAIRE
- EXISTING UNDERPASS LUMINAIRE, 70W HPS
- PROPOSED UNDERPASS LUMINAIRE, LED
- EXISTING UNIT DUCT OR CABLE IN CONDUIT
- PROPOSED UNIT DUCT OR CABLE IN CONDUIT
- TEMPORARY AERIAL CABLE
- EXISTING LIGHTING CONTROLLER
- EXISTING SERVICE

FOR INFORMATION ONLY

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PLOT DATE = 8/17/2020	DATE - 08/18/2020	REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

WIRING DIAGRAM


















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F.A./P.RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
=	2020-192-B	WILL	299	161
			CONTRACT NO. 62M63	
* FAI 55, FAP 338 ILLINOIS FED. AID PROJECT				

GENERAL NOTES

1. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF THE CABINETS, TEMPORARY WOOD POLES, AND FIBER OPTIC CABLE PRIOR TO BIDDING THE JOB.
2. THERE EXISTS ENVIRONMENTALLY SENSITIVE AREAS ALONG THIS JOB. CARE MUST BE TAKEN NOT TO REMOVE PLANT LIFE FROM THESE AREAS.
3. THERE SHALL BE 200 FEET OF 96 SM FIBER OPTIC CABLE SLACK, PER CABLE, IN EACH COMMUNICATION VAULT. THERE SHALL BE 50 FEET OF FIBER OPTIC CABLE SLACK, PER CABLE, IN ALL JUNCTION BOXES. THERE SHALL BE 150 FEET OF 12 SM FIBER OPTIC CABLE IN EACH COMMUNICATION VAULT THAT REQUIRES A LATERAL SPLICE.
4. A MAINLINE SPLICE SHALL NOT BE IN THE SAME COMMUNICATION VAULT AS A LATERAL SPLICE. MAINLINE SPLICES SHALL UTILIZE 2 COMMUNICATION VAULTS (ONE NEXT TO THE OTHER UNLESS OTHERWISE NOTED). 1-96 SM FIBER MAINLINE SPLICE IN ONE VAULT AND THE OTHER 96 SM FIBER MAINLINE SPLICE IN THE OTHER VAULT.
5. THE CONTRACTOR SHALL EXERCISE CARE WITH THE INSTALLATION OF UNDERGROUND EQUIPMENT AS THERE ARE EXISTING PRIVATELY OWNED UTILITIES WITHIN THE PROJECT LIMITS. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO CONTACT ANY UTILITIES IN THE WORK ZONE AND REQUEST UTILITY LOCATES. THE CONTRACTOR SHALL CONTACT MEADE ELECTRIC CO. DISTRICT ONE ELECTRICAL MAINTENANCE COORDINATOR TO LOCATE IDOT ELECTRICAL EQUIPMENT AND UNDERGROUND CABLES 773-287-7672.
6. THE CONTRACTOR SHALL BE AWARE OF THE DOCUMENTATION REQUIREMENTS WHICH REQUIRE GPS DATA ACQUISITION.
7. ALL RACEWAYS SHALL BE INSTALLED AT A MINIMUM DEPTH OF 30 INCHES.

LEGEND

- (E) EXISTING
- (R) REMOVE
- (RL) RELOCATE
- (A) ABANDON IN PLACE
- (P) PROPOSED
-  42"x36"x12" JUNCTION BOX
-  COMMUNICATIONS VAULT
-  HEAVY DUTY HANDHOLE (MIXED USE)
-  HEAVY DUTY HANDHOLE SPECIAL (COMMUNICATIONS)
-  TYPE 334 CABINET
-  TYPE 334 CABINET WITH SPREAD SPECTRUM RECEIVER
-  ELECTRIC SERVICE DISCONNECT
-  CCTV CAMERA
-  WIRELESS DETECTOR REPEATOR
-  WIRELESS DETECTOR ACCESS POINT
-  IN-PAVEMENT WIRLESS DETECTOR SENSORS
-  6' DIAMETER INDUCTION LOOP CENTERED IN LANE
-  6' x 14' (NOMINAL) RAMP INDUCTION LOOP
-  GALVANIZED RIGID STEEL CONDUIT PUSHED (P), TYPE AND SIZE AS NOTED
-  GALVANIZED RIGID STEEL CONDUIT TRENCHED (T), TYPE AND SIZE AS NOTED
-  2 IN P-DUCT TRENCHED (T)
-  (2) 1 1/4" FIBER OPTIC INNER DUCT - EACH HAS 96 SM FIBERS

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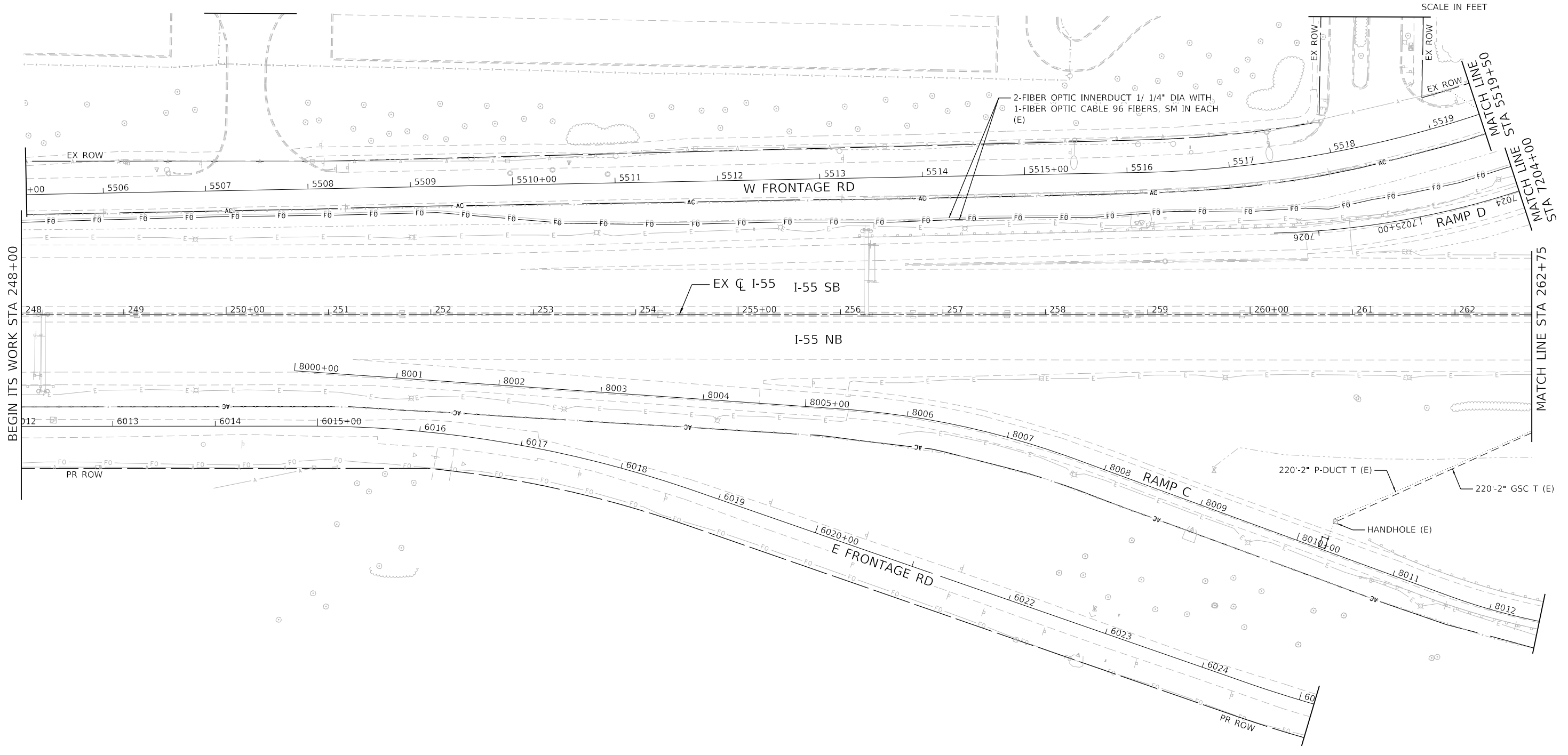
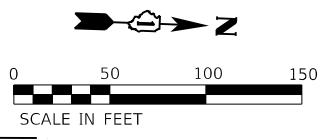
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TRAFFIC SURVEILLANCE GENERAL NOTES AND LEGEND

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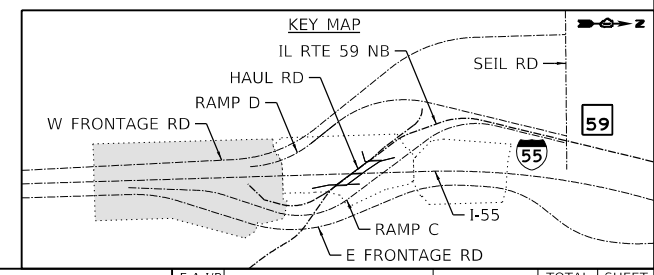
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*	2020-192-B	WILL	299	162
CONTRACT NO. 62M63				
* FAI 55, FAP 338		ILLINOIS	FED. AID PROJECT	



BEGIN ITS WORK STA 248+00

MATCH LINE STA 262+75

MATCH LINE STA 720+40



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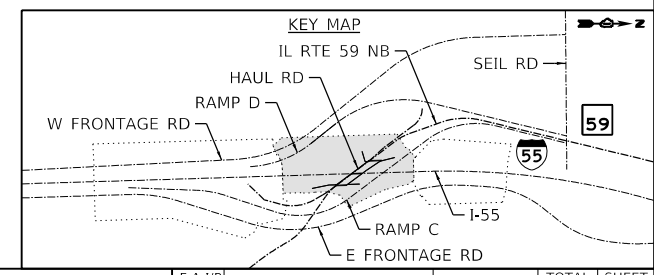
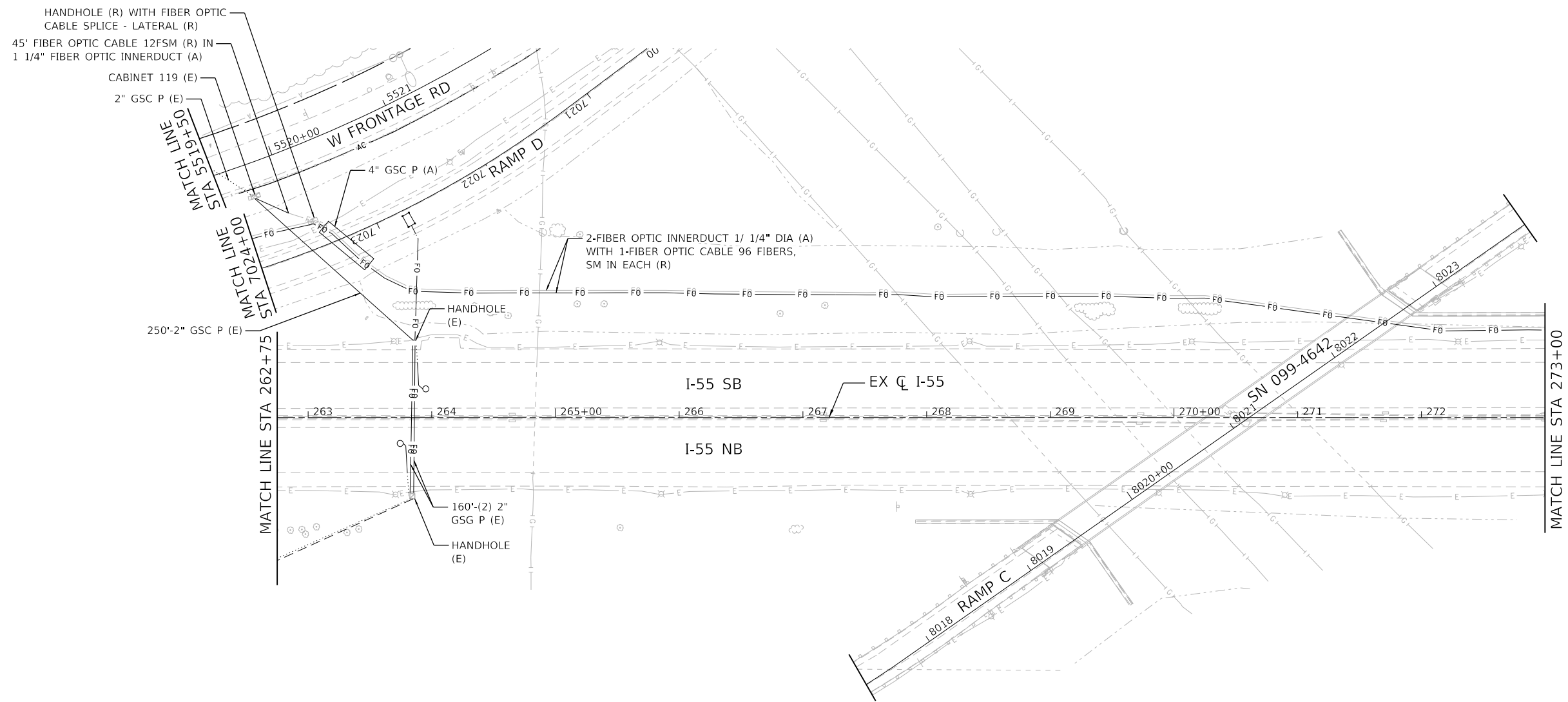
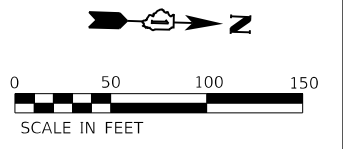
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PLOT DATE = 8/17/2020	DATE - 08/18/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EXISTING TRAFFIC SURVEILLANCE PLAN
I-55**

SCALE: 1" = 50'	SHEET	OF	SHEETS	STA.	TO	STA.
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F.A./P.RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2020-192-B	WILL	299	163
CONTRACT NO. 62M63				
* FAI 55, FAP 338 ILLINOIS FED. AID PROJECT				



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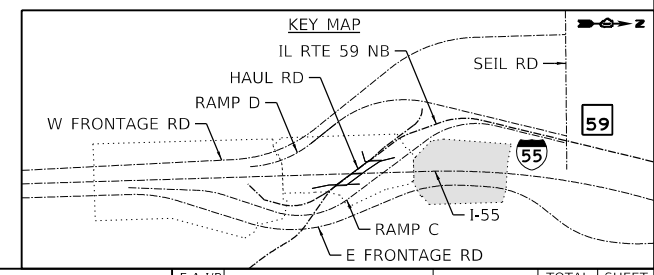
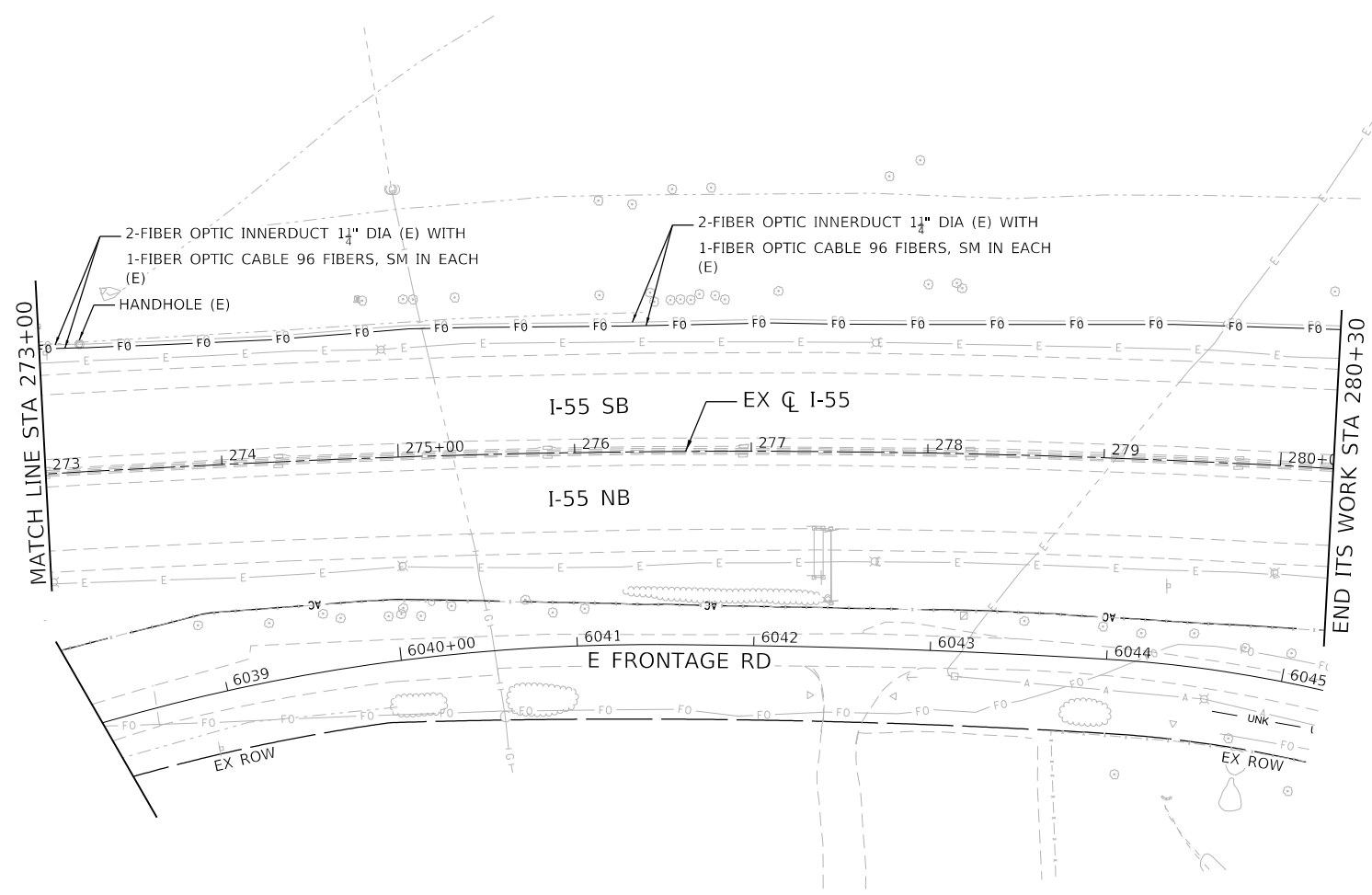
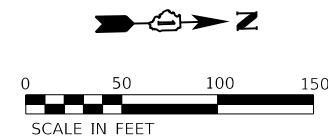


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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING TRAFFIC SURVEILLANCE PLAN			
I-55			
SCALE: 1" = 50'	SHEET	OF	SHEETS
	STA.		TO STA.

F.A./P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
=	2020-192-B	WILL	299	164
CONTRACT NO. 62M63				
* FAI 55, FAP 338 ILLINOIS FED. AID PROJECT				



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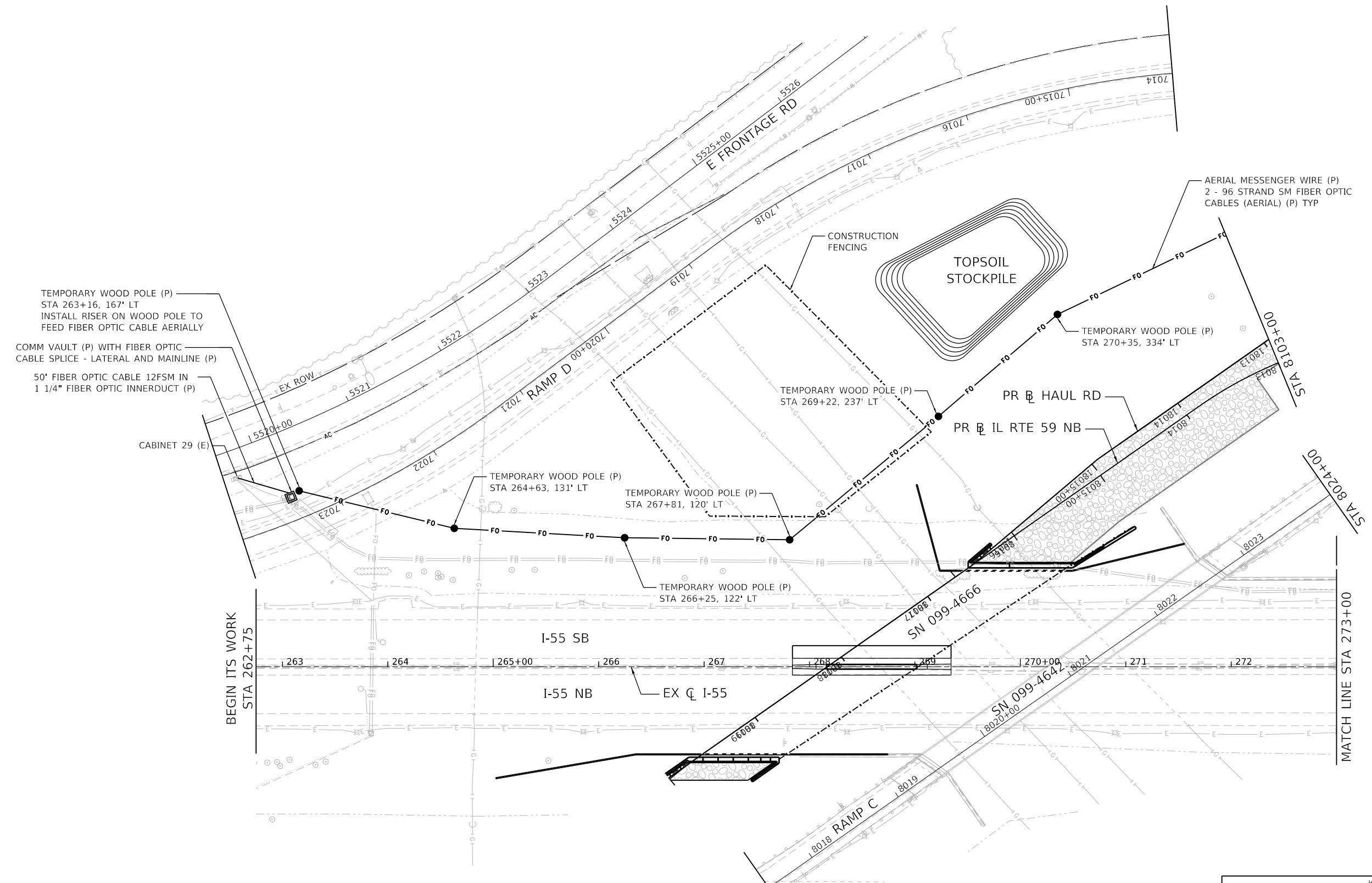
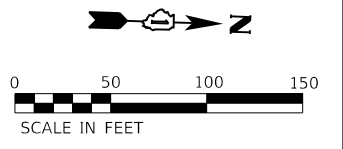


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PLOT DATE = 8/17/2020	DATE - 08/18/2020	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

EXISTING TRAFFIC SURVEILLANCE PLAN			
I-55			
SCALE: 1" = 50'	SHEET	OF SHEETS	STA. TO STA.

F.A./P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
=	2020-192-B	WILL	299	165
CONTRACT NO. 62M63				
* FAI 55, FAP 338 ILLINOIS FED. AID PROJECT				



TEMPORARY WOOD POLE (P)
STA 263+16, 167' LT
INSTALL RISER ON WOOD POLE TO
FEED FIBER OPTIC CABLE AERIALLY

COMM VAULT (P) WITH FIBER OPTIC
CABLE SPLICE - LATERAL AND MAINLINE (P)

50' FIBER OPTIC CABLE 12FSM IN
1 1/4" FIBER OPTIC INNERDUCT (P)

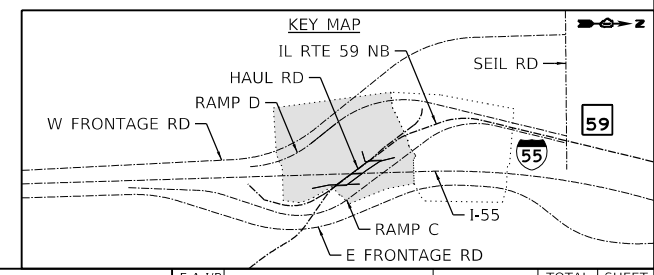
AERIAL MESSENGER WIRE (P)
2 - 96 STRAND SM FIBER OPTIC
CABLES (AERIAL) (P) TYP

BEGIN ITS WORK
STA 262+75

MATCH LINE STA 273+00

NOTES:

1. ALL STATIONS AND OFFSETS SHOWN FOR THE WOOD POLES ARE APPROXIMATE AND WOOD POLE LOCATIONS SHOWN ON THIS PLAN ARE BASED ON AVAILABLE BURIED UTILITY DATA. THE CONTRACTOR SHALL FIELD VERIFY THAT THE WOOD POLE LOCATIONS SHOWN ON THIS PLAN SHEET WILL NOT CONFLICT WITH EXISTING AND PROPOSED UTILITIES.
2. ALL WOOD POLES SHALL REMAIN IN PLACE AT THE END OF THIS CONTRACT.



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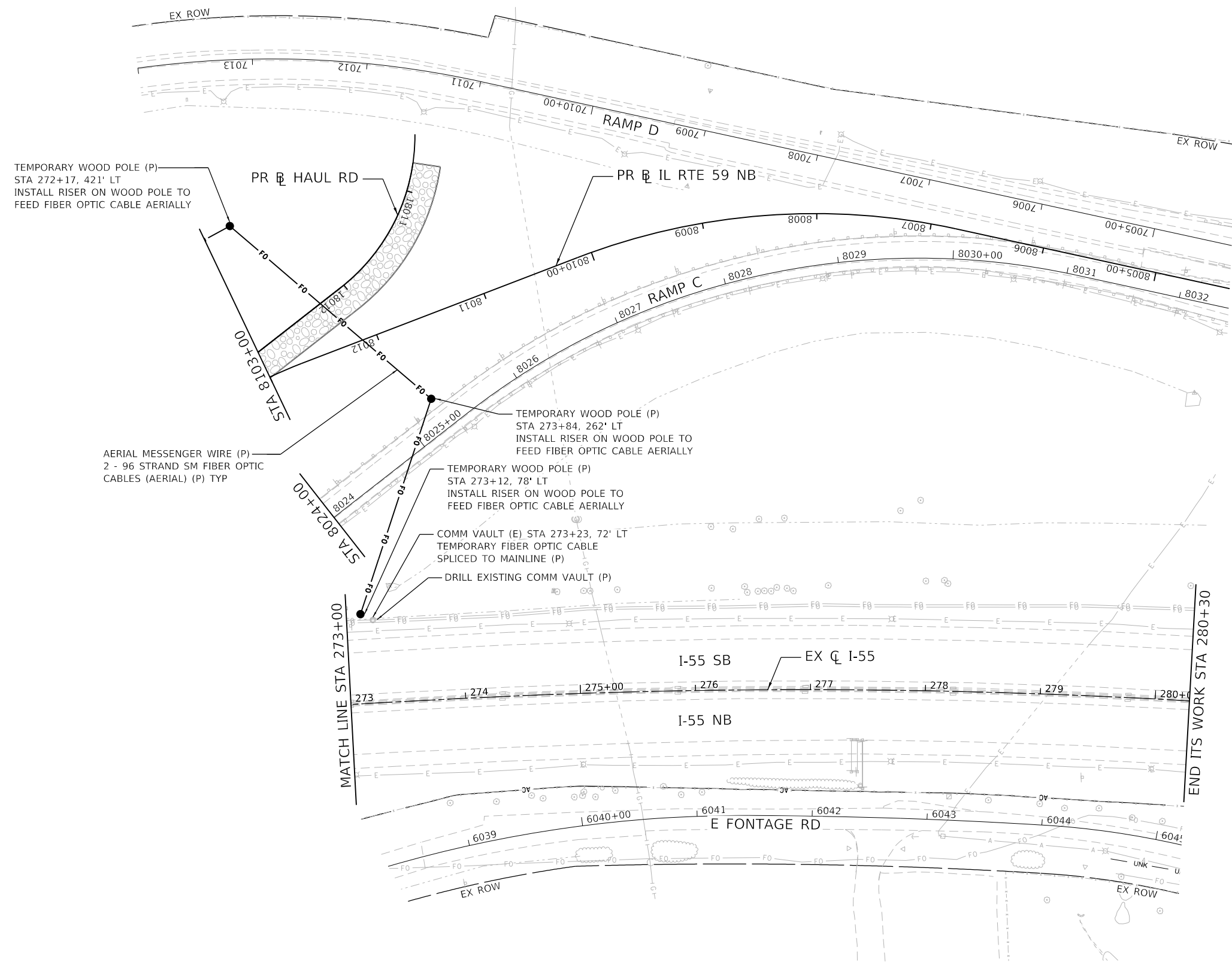
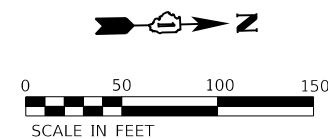
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PLOT DATE = 9/17/2020	DATE - 09/18/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY SURVEILLANCE PLAN
I-55**

SCALE: 1" = 50' SHEET OF SHEETS STA. TO STA.

F.A./P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
=	2020-192-B	WILL	299	166
CONTRACT NO. 62M63				
* FAI 55, FAP 338 ILLINOIS FED. AID PROJECT				



TEMPORARY WOOD POLE (P)
STA 272+17, 421' LT
INSTALL RISER ON WOOD POLE TO
FEED FIBER OPTIC CABLE AERIALLY

PR HAUL RD

PR IL RTE 59 NB

AERIAL MESSENGER WIRE (P)
2 - 96 STRAND SM FIBER OPTIC
CABLES (AERIAL) (P) TYP

TEMPORARY WOOD POLE (P)
STA 273+84, 262' LT
INSTALL RISER ON WOOD POLE TO
FEED FIBER OPTIC CABLE AERIALLY

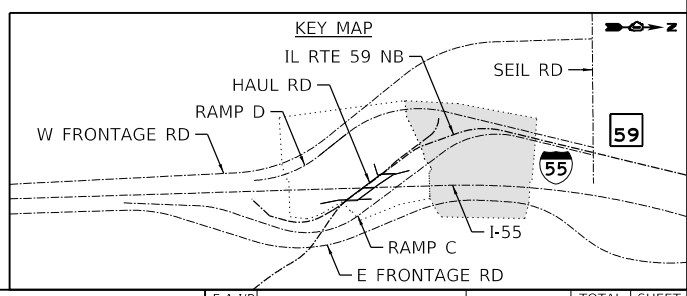
TEMPORARY WOOD POLE (P)
STA 273+12, 78' LT
INSTALL RISER ON WOOD POLE TO
FEED FIBER OPTIC CABLE AERIALLY

COMM VAULT (E) STA 273+23, 72' LT
TEMPORARY FIBER OPTIC CABLE
SPliced TO MAINLINE (P)

DRILL EXISTING COMM VAULT (P)

NOTES:

1. ALL STATIONS AND OFFSETS SHOWN FOR THE WOOD POLES ARE APPROXIMATE AND WOOD POLE LOCATIONS SHOWN ON THIS PLAN ARE BASED ON AVAILABLE BURIED UTILITY DATA. THE CONTRACTOR SHALL FIELD VERIFY THAT THE WOOD POLE LOCATIONS SHOWN ON THIS PLAN SHEET WILL NOT CONFLICT WITH EXISTING AND PROPOSED UTILITIES.
2. ALL WOOD POLES SHALL REMAIN IN PLACE AT THE END OF THIS CONTRACT.



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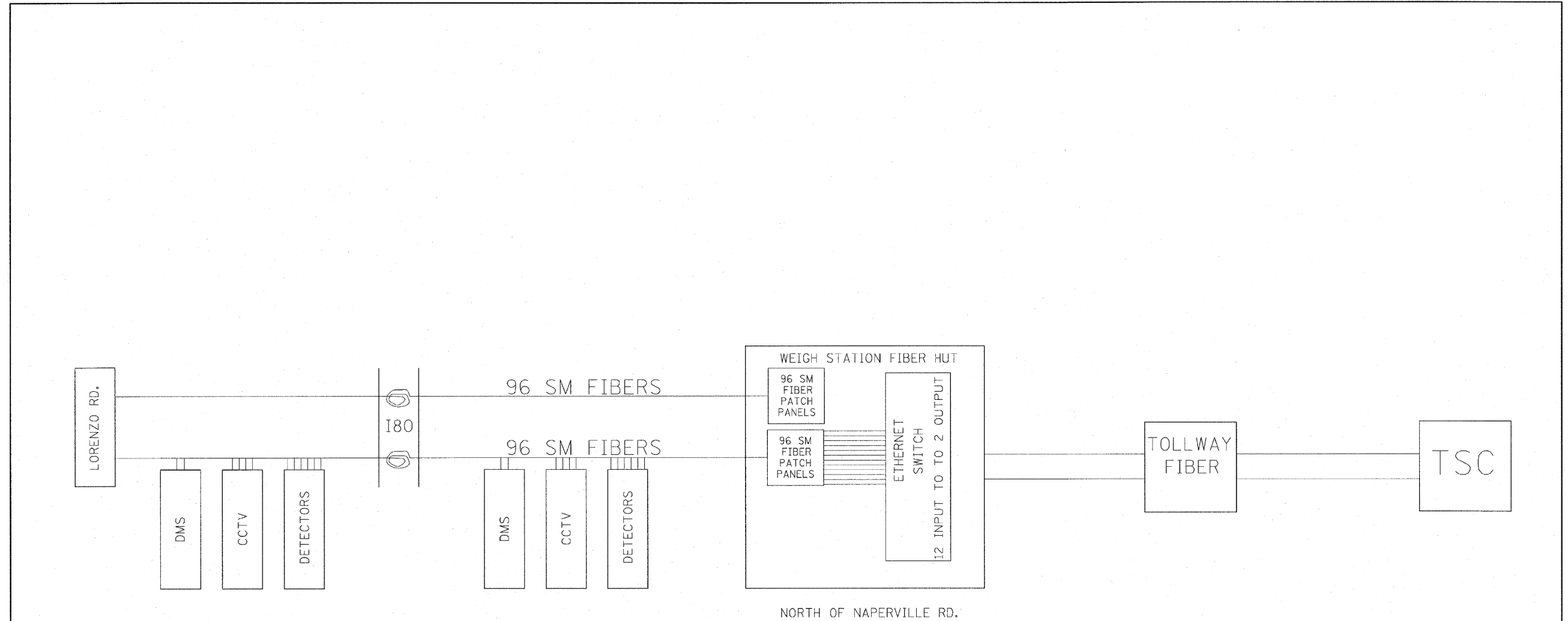
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PLOT DATE = 8/17/2020	DATE - 08/18/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY SURVEILLANCE PLAN
I-55**

SCALE: 1" = 50' SHEET OF SHEETS STA. TO STA.

F.A./P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
=	2020-192-B	WILL	299	167
CONTRACT NO. 62M63				
* FAI 55, FAP 338 ILLINOIS FED. AID PROJECT				



FOR INFORMATION ONLY

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		DRAWN - G.M.	REVISED - 03/05/2018		SCALE: NONE	SHEET NO. OF SHEETS	STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO.	74	44
		CHECKED - J.G.	REVISED -		TRAFFIC SYSTEMS CENTER 4TY-1TSC-400#45)							
		DATE - 01/19/2018	REVISED -									

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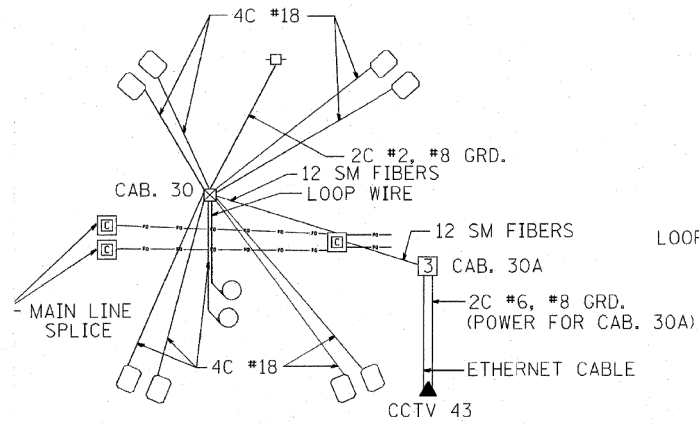


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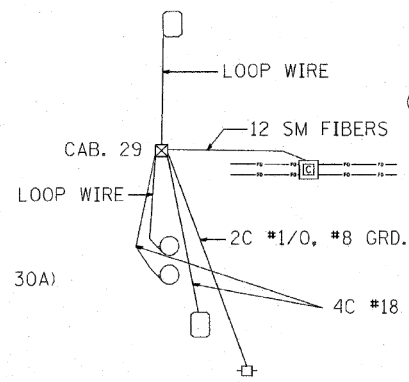
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SURVEILLANCE DETAILS			
SCALE: NTS	SHEET OF SHEETS	STA. TO STA.	

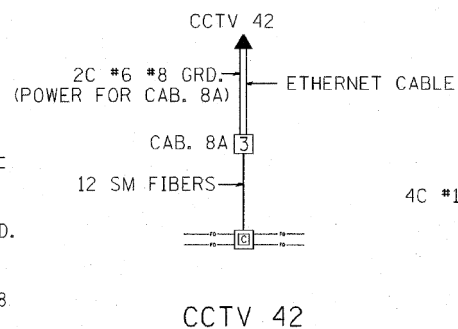
F.A./P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
=	2020-192-B	WILL	299	168
CONTRACT NO. 62M63				
* FAI 55, FAP 338 ILLINOIS FED. AID PROJECT				



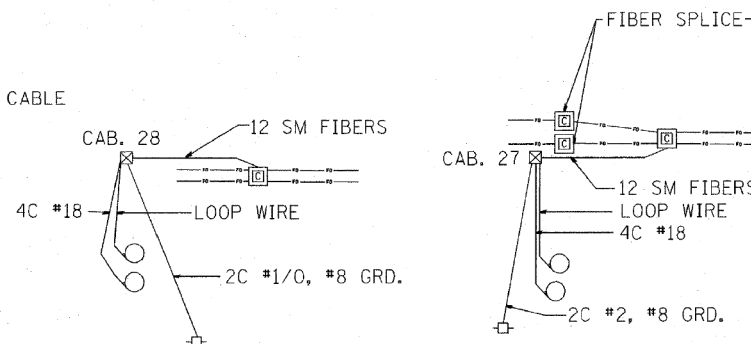
180 NORTH



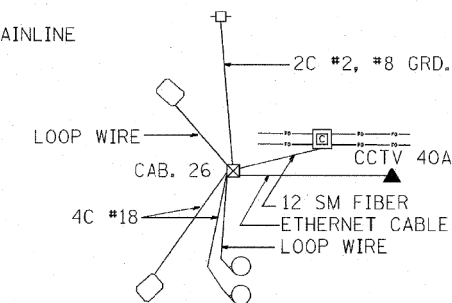
SOUTH OF IL59



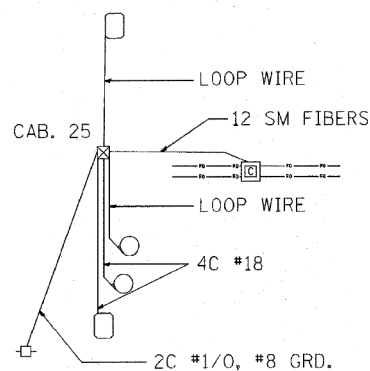
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1 MI. SOUTH OF US 52



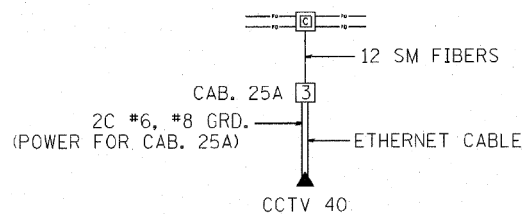
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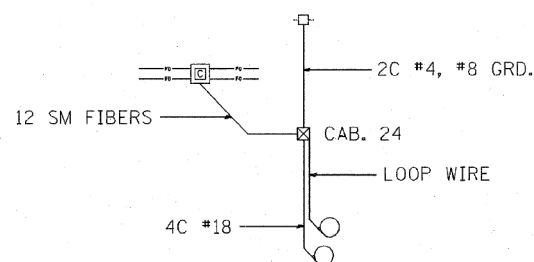
SOUTH US52



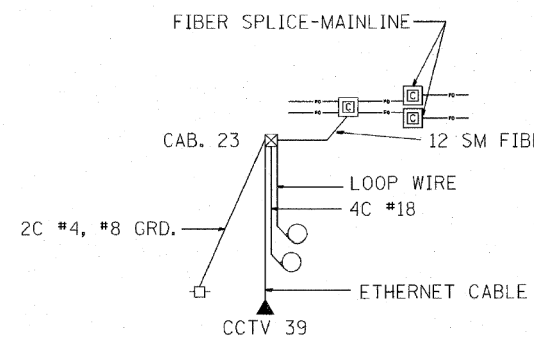
NORTH US52



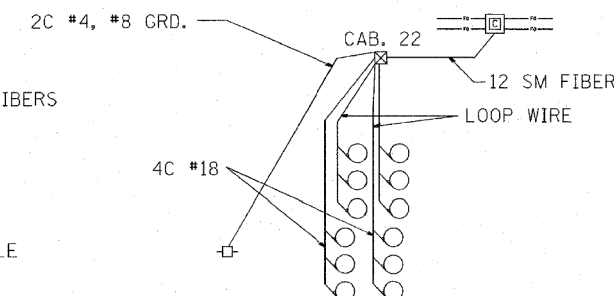
CCTV 40
1/2 MI. NORTH OF US52



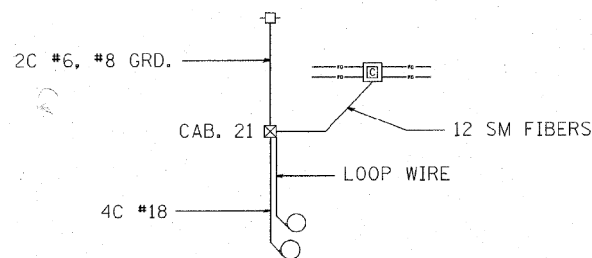
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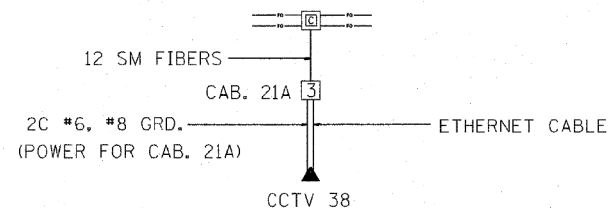
CCTV 39
BLACK RD.



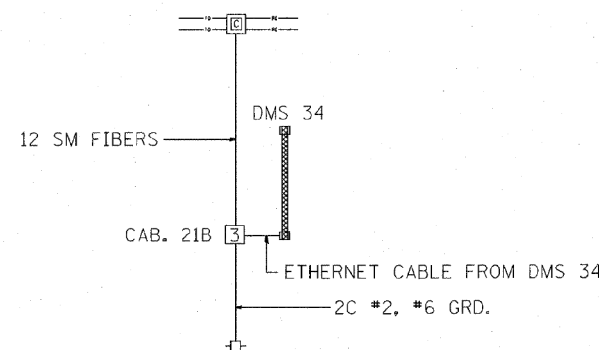
1/2 MI. NORTH OF BLACK RD.



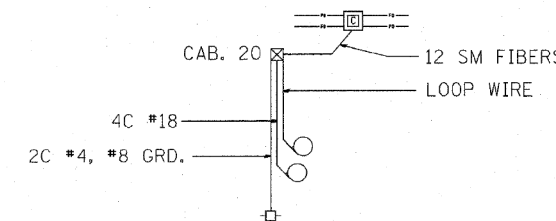
1 MI. NORTH OF BLACK RD.



CCTV 38
1 MI. SOUTH OF CATON FARM RD.



DMS 34



1/2 MI. SOUTH OF CATON FARM RD.

FOR INFORMATION ONLY

FILE NAME = G:\D106010\WIREDIAGRAMS.dgn	USER NAME = mazag	DESIGNED - JG	REVISED - 04/06/2010
d106010\WIREDIAGRAMS.dgn		DRAWN - GM	REVISED - 04/08/2010
		CHECKED - JG	REVISED -
		DATE - 03/15/2010	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
TRAFFIC SYSTEMS CENTER

I-55 WIRE DIAGRAMS
180-NAPERVILLE RD.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2009-1395G	WILL	74	47
CONTRACT NO. 62M63				



USER NAME = jworthington	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 24.0000 "/ ft.	CHECKED -	REVISED -
PLOT DATE = 8/17/2020	DATE - 08/18/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SURVEILLANCE DETAILS

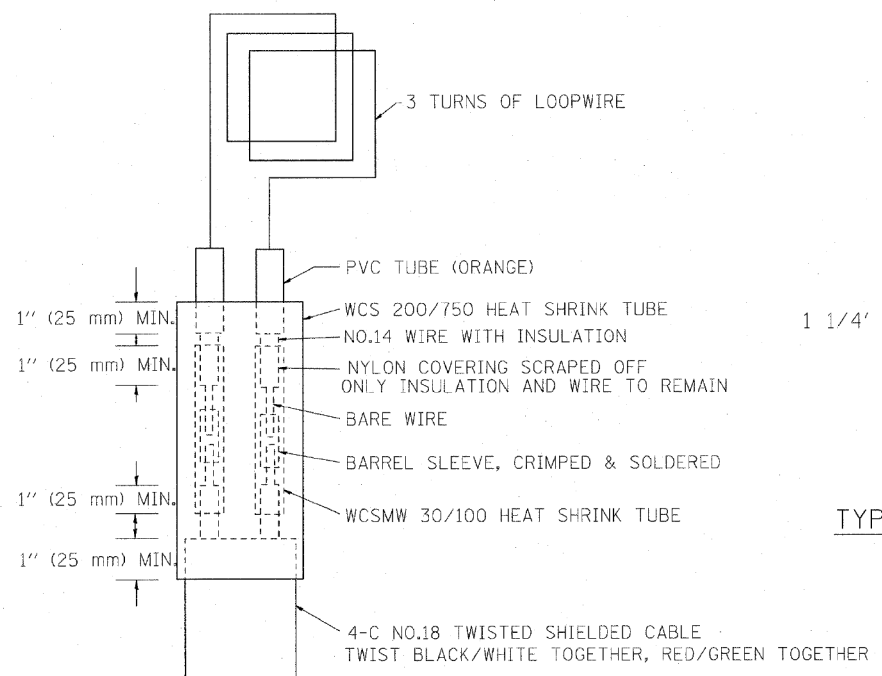
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2020-192-B	WILL	299	169
CONTRACT NO. 62M63				

* FAI 55, FAP 338 ILLINOIS FED. AID PROJECT

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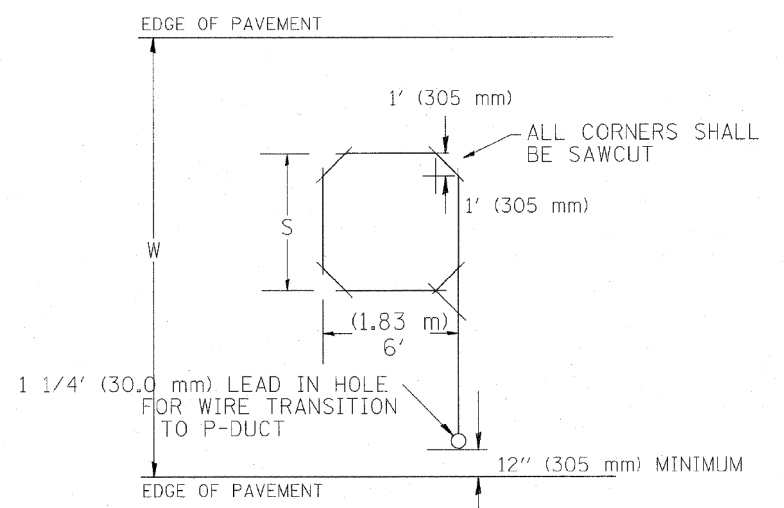
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63916



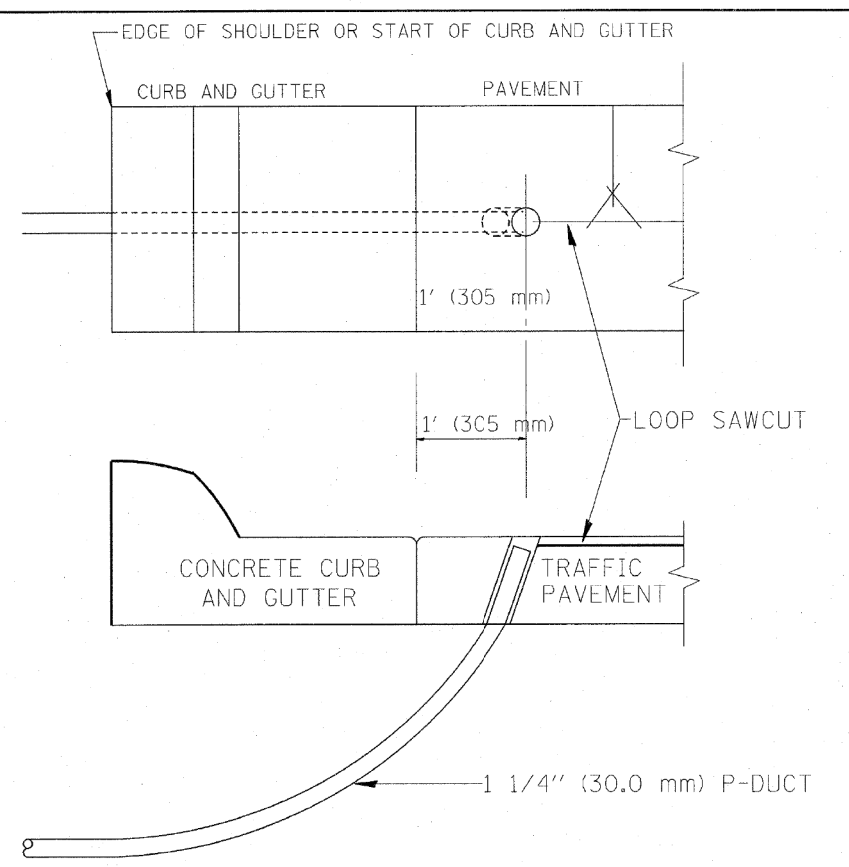
MINIMUM 1" (25 mm) HEAT SHRINK TUBING OVERLAP ON WIRE, PVC & SHIELDED CABLE TO FORM WATER TIGHT SEAL

LOOP SPLICING REQUIREMENTS

WIDTH (W)	WIDTH (S)
12' (3.7 m)	8' (2.5 m)
13' (4.0 m)	9' (2.8 m)
14' (4.3 m)	10' (3.1 m)
15' (4.6 m)	11' (3.4 m)
16' (4.9 m)	12' (3.7 m)
17' (5.2 m)	13' (4.0 m)
18' (5.5 m)	14' (4.3 m)
19' (5.8 m)	15' (4.6 m)
20' (6.1 m)	16' (4.9 m)
21' (6.4 m)	17' (5.2 m)
22' (6.7 m)	18' (5.5 m)
23' (7.0 m)	19' (5.8 m)
24' (7.3 m)	20' (6.1 m)
25' (7.6 m)	21' (6.4 m)



TYPICAL "S" FT. BY 6' (1.83 m) INDUCTION LOOP SAWCUT LAYOUT FOR RAMPS



CURB AND GUTTER LOOP LEAD-IN TRANSITION DETAIL

NOTES

1. EACH LOOP SHALL BE SPLICED TO A 4-C NO.18 TWISTED SHIELDED LEAD IN WHEN 150' (45 m) OR MORE FROM CABINET.
2. LOOPS SHALL BE SPLICED IN HANDHOLES ONLY, OTHERWISE WRITTEN PERMISSION SHALL BE OBTAINED FROM TSC ENGINEER.
3. LOOPS SHALL NOT BE SPLICED IN SERIES.
4. EACH LOOP LEAD IN SHALL BE IDENTIFIED AND PERMANENTLY COLOR CODED IN THE COREHOLE, HANDHOLE & CABINETS THRU WHICH THEY ENTER OR PASS AND TAGGED WITH THE CORRECT NOMENCLATURES.

FOR INFORMATION ONLY

FILE NAME = P:\P-07-1620-11\Gen\180\NAPERVITYP.dgn	USER NAME = rdahhan	DESIGNED - R.L.	REVISED - 6/94	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION TRAFFIC SYSTEMS CENTER	RECTANGULAR INDUCTION LOOP TYPICAL			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		DRAWN - G.M.	REVISED - 11/95		SCALE: NONE	SHEET NO.	OF SHEETS	STA.	TO STA.	FED. ROAD DIST. NO.	ILLINOIS/FED. AID PROJECT	74	50
		CHECKED - R.L.	REVISED - 05/96		CONTRACT NO.								
		DATE - 6-22-94	REVISED - 10/96		TRAFFIC SYSTEMS CENTER (TY-1TSC-418#3)								

USER NAME = jworthington	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 24,0000' / ft.	CHECKED -	REVISED -
PLOT DATE = 8/17/2020	DATE - 08/18/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TRAFFIC SURVEILLANCE DETAILS

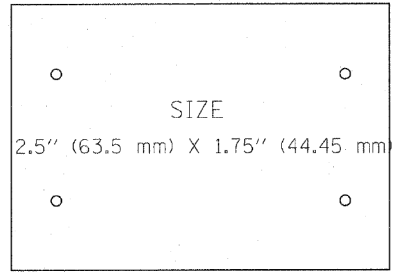
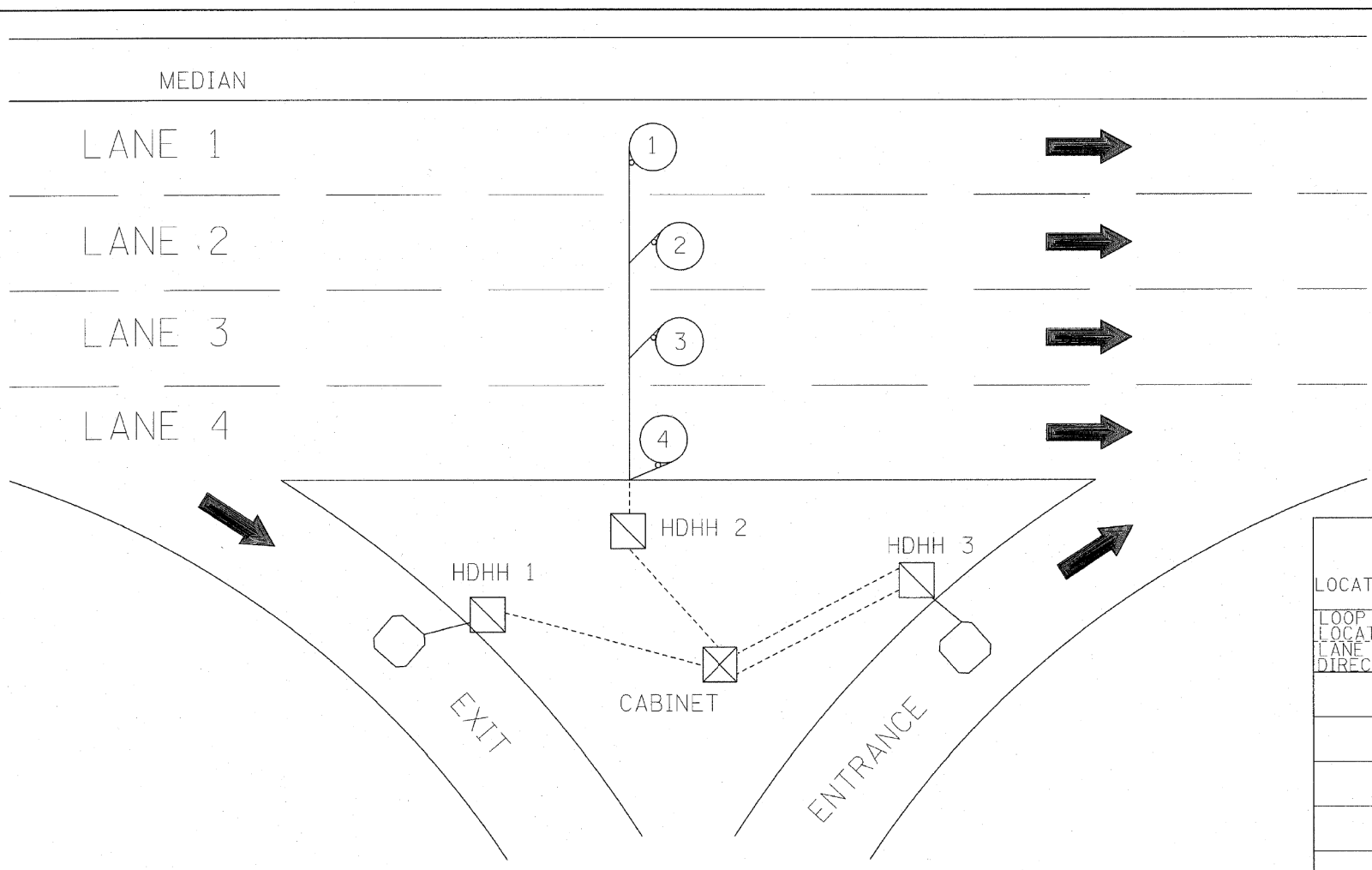
SCALE: NTS	SHEET	OF SHEETS	STA.	TO STA.
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F.A./P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
=	2020-192-B	WILL	299	170
CONTRACT NO. 62M63				
* FAI 55, FAP 338 ILLINOIS FED. AID PROJECT				

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D:\62M63-ADV-sht-rs-det-003.dgn 63916



SUGGESTED TAG
PANDUIT
#MP250W175-C
OR EQUIVALENT

LOOP ANALYZER					
LOCATION _____			DATE _____		
LOOP LOCATION LANE DIRECTION	LOOP WIRE MARKED AND CODED	LOOP SIZE	FREQ. INDUCTANCE	INSULATION	LOOP RESISTANCE

HDHH 1 EXAMPLE
IB-EB EXIT
CCW IN/
TO CABINET # _____

HDHH 2 EXAMPLE
IB (OB) LANE # ____
CCW /OUT
TO CABINET # _____

HDHH 3 EXAMPLE
IB-EB ENT.
LOOP #2
CW IN/

NOTE:
EACH LOOP WIRE SHALL BE TAGGED AS "IN" OR "OUT" AND "CW" OR "CCW". SHIELDED CABLE WILL BE TAGGED IN EACH HANDHOLE AND CABINET TO MATCH THE CABLE LOG.

FOR INFORMATION ONLY

FILE NAME = F:\P-07-1602-11\Gen\180\NAPERVTYP.dgn	USER NAME = rdahan	DESIGNED - J.G.	REVISED -
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PLOT DATE = 3/18/2010	DATE - 01-26-2010	REVISOR -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
TRAFFIC SYSTEMS CENTER

SCALE: NONE	SHEET NO.	OF SHEETS	STA.	TO STA.
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F.A./P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			74	52
CONTRACT NO.				

TRAFFIC SYSTEMS CENTER (TY-1TSC-418#7A)

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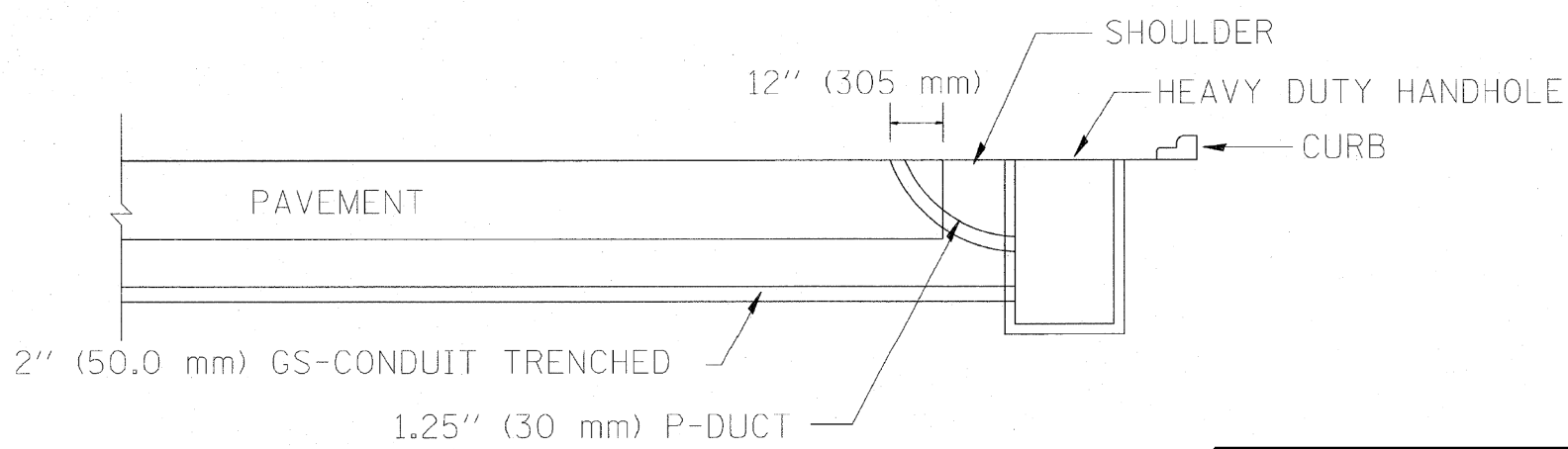
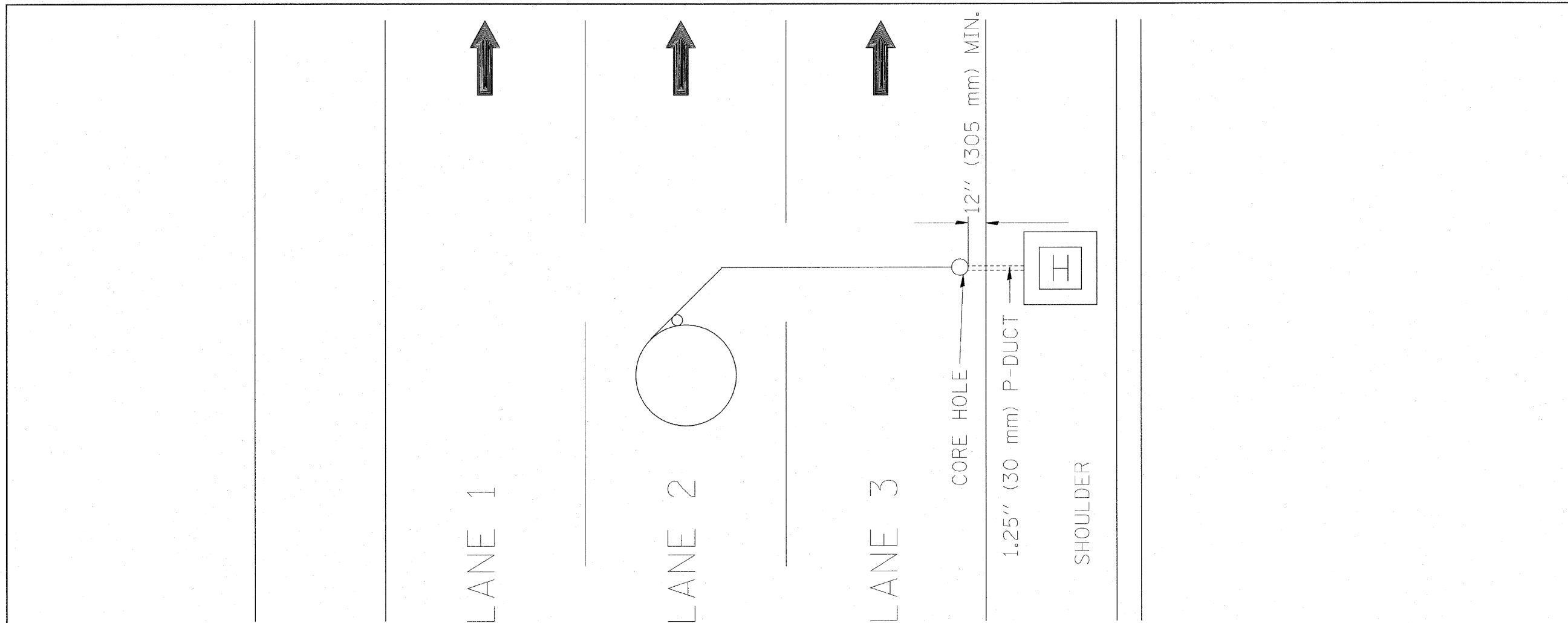


USER NAME = jworthington	DESIGNED -	REVISED -
PLOT SCALE = 24.0000 ' / ft.	CHECKED -	REVISED -
PLOT DATE = 8/17/2020	DATE - 08/18/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: NTS	SHEET	OF SHEETS	STA.	TO STA.
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F.A./P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2020-192-B	WILL	299	171
CONTRACT NO. 62M63				
* FAI 55, FAP 338 ILLINOIS FED. AID PROJECT				



FOR INFORMATION ONLY

FILE NAME = P:\P-07-1620-11\Gen\180\NAPERVTYP.dgn	USER NAME = rdalhan	DESIGNED - R.L. DRAWN - G.M.	REVISED - R.L. REVISED - T.C.	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION TRAFFIC SYSTEMS CENTER	DIVE HOLE DUCT SYSTEM		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE = *SCALE*	CHECKED - R.L.	REVISED -	REVISED -		SCALE: NONE	SHEET NO. OF SHEETS	STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	74	53
PLOT DATE = 3/18/2010	DATE - 11/7/95	REVISED -	REVISED -		CONTRACT NO.						
TRAFFIC SYSTEMS CENTER (TY-1TSC-418#8)											

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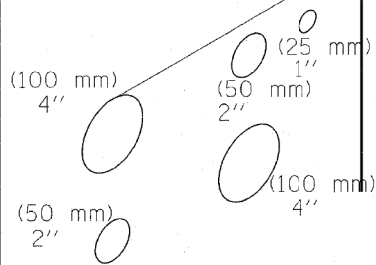
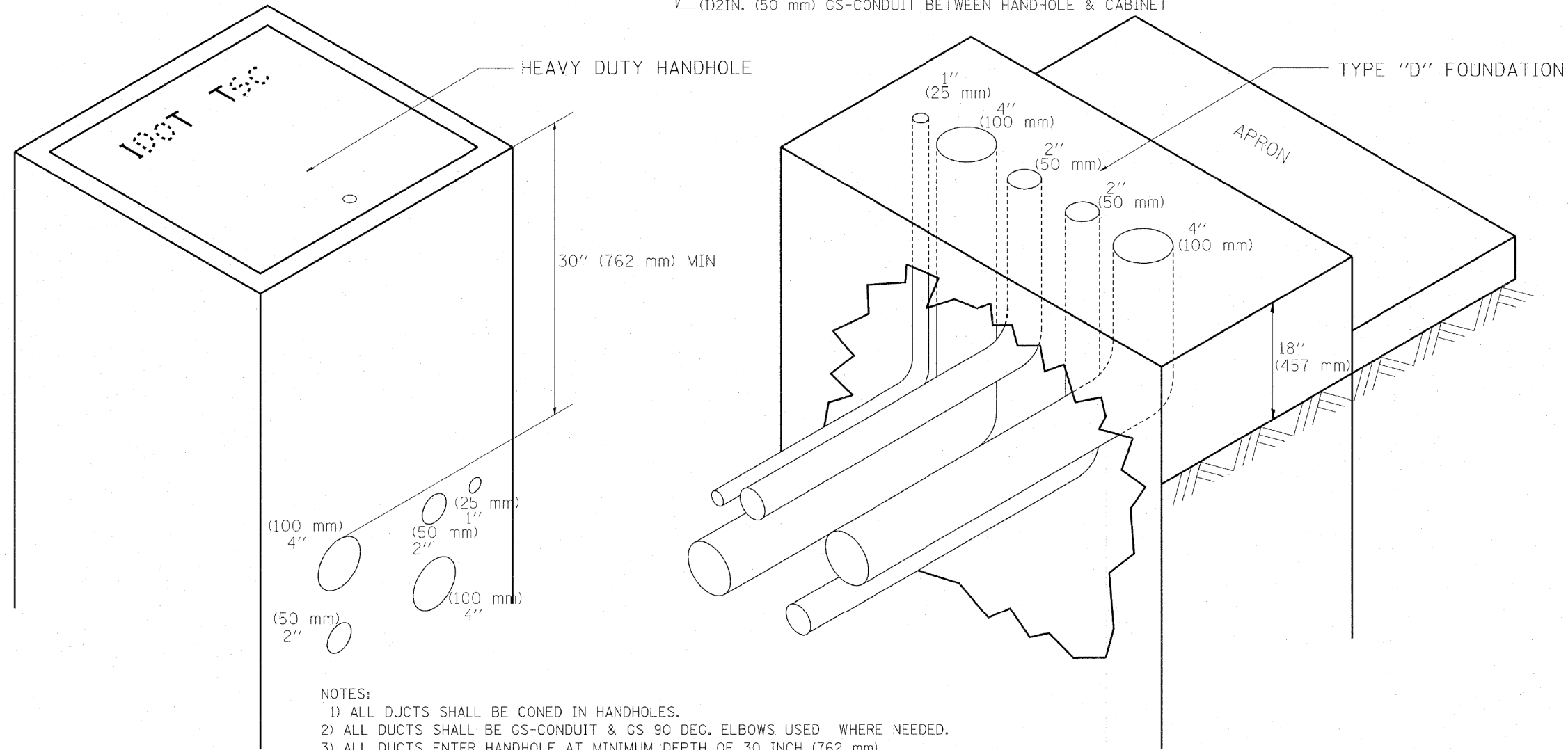
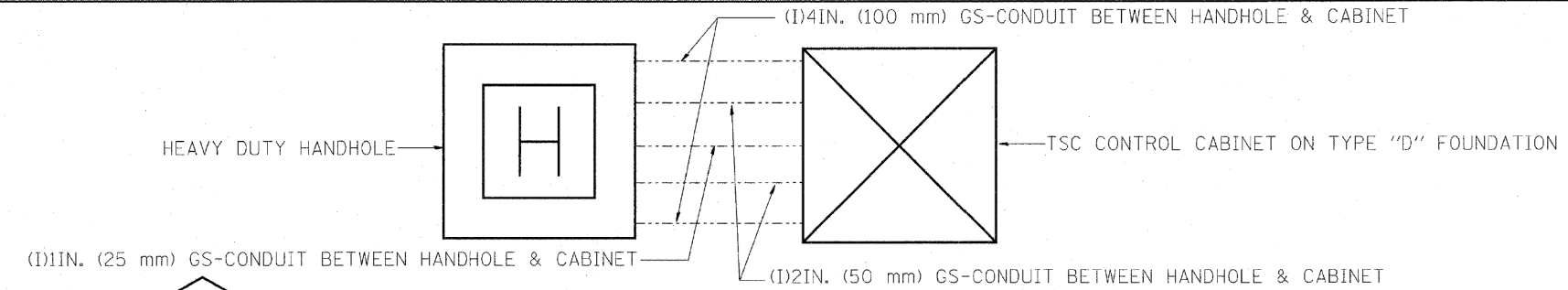


USER NAME = jworthington	DESIGNED -	REVISED -
PLOT SCALE = 24.0000 ' / ft.	CHECKED -	REVISED -
PLOT DATE = 8/17/2020	DATE - 08/18/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TRAFFIC SURVEILLANCE DETAILS	
SCALE: NTS	SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
=	2020-192-B	WILL	299	172
CONTRACT NO. 62M63				
* FAI 55, FAP 338 ILLINOIS FED. AID PROJECT				



- NOTES:**
- 1) ALL DUCTS SHALL BE CONED IN HANDHOLES.
 - 2) ALL DUCTS SHALL BE GS-CONDUIT & GS 90 DEG. ELBOWS USED WHERE NEEDED.
 - 3) ALL DUCTS ENTER HANDHOLE AT MINIMUM DEPTH OF 30 INCH (762 mm)
 - 4) ALL HANDHOLE COVERS SHALL READ "IDOT TSC".
 - 5) ALL CABINET HANDHOLES SHALL BE HEAVY DUTY.
 - 6) DUCTS SHALL BE CENTERED IN CABINET FOUNDATION/HANDHOLE AS SHOWN.
 - 7) CONDUITS SHALL BE SPACED 305 mm (1 FOOT) CENTER TO CENTER IN HEAVY DUTY HANDHOLE.
 - 8) INSTALL 3/4" X 10' (20 mm X 3 m) COPPER CLAD STEEL GROUND ROD IN HDHH PROVIDED AS CABINET PAD. EXOTHERMIC WELD CONNECTION FROM GROUND ROD TO #6 GROUND WIRE INSULATED (GREEN).
 - 9) BOND ALL GSC CONDUITS IN CABINET FOUNDATION.
 - 10) INSTALL #6 GROUND WIRE IN 1IN. (25 mm) GSC FROM HANDHOLE TO CABINET.
 - 11) TYPE "D" FOUNDATION SHALL BE 18" FROM TOP OF FOUNDATION TO FINISHED GRADE.

FILE NAME = C:\1866\11\55TSC1P.DGN F:\P-07-1600-11\Gen\183\NAPERVTYP.dgn	USER NAME = rdathan	DESIGNED - R.L.	REVISIONS - 09/96	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION TRAFFIC SYSTEMS CENTER	CABINET - HANDHOLE CONDUIT DETAIL	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE = #SCALE#	CHECKED - R.L.	REVISIONS - 03/99	74			54				
PLOT DATE = 3/18/2010	DATE - 06/05/95	REVISIONS - 04/99	CONTRACT NO.							
SCALE: NONE SHEET NO. OF SHEETS STA. TO STA. FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT										

TRAFFIC SYSTEMS CENTER (TY-1TSC-400#11)

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USER NAME = jworthington	DESIGNED -	REVISIONS -
PLOT SCALE = 24.0000' / ft.	DRAWN -	REVISIONS -
PLOT DATE = 8/17/2020	CHECKED -	REVISIONS -
DATE - 08/18/2020	DATE -	REVISIONS -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SURVEILLANCE DETAILS				
SCALE: NTS	SHEET	OF SHEETS	STA.	TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2020-192-B	WILL	299	173
CONTRACT NO. 62M63				
* FAI 55, FAP 338 ILLINOIS FED. AID PROJECT				

TYPE "T" HINGES REQUIRED ONLY ON HEAVY DUTY SPECIAL.

CONDUIT TYP.

CONDUIT TYP.

TYPE "G" HANDLE FOR BOTH HDHH AND HDHH SPECIAL

PLAN

HEAVY DUTY HANDHOLE MINIMUM DIMENSIONS (UNHINGED)

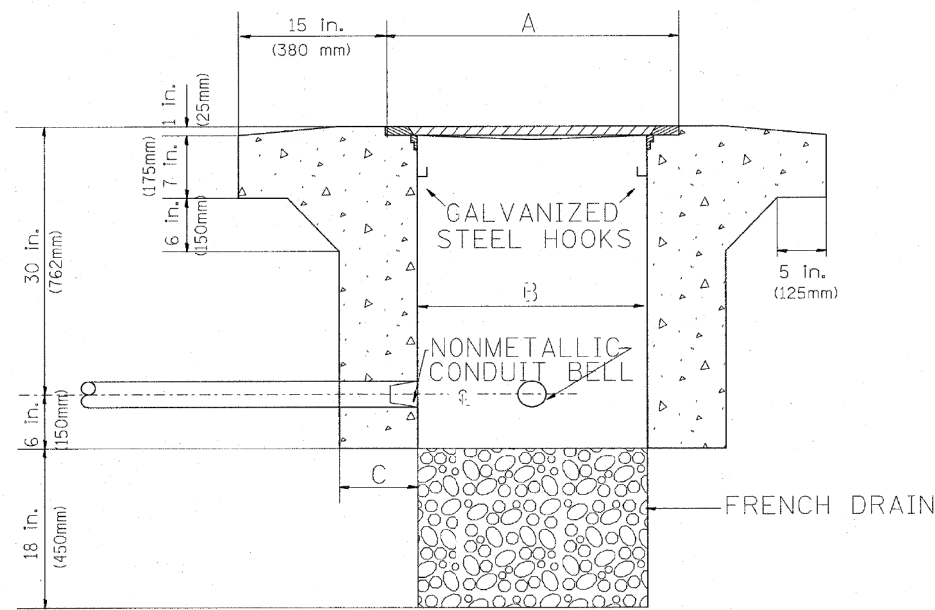
A	28" (711 mm)
B	22" (559 mm)
C	8" (200 mm)

(FRAME AND COVER 260 LBS. (118 Kg.) MIN.)

HEAVY DUTY HANDHOLE SPECIAL MINIMUM DIMENSIONS

A	31.5" (800 mm)
B	30" (762 mm)
C	10" (250 mm)

(FRAME AND COVER 405 LBS. (184 Kg. (405))



ELEVATION

PC CONCRETE - HEAVY DUTY HAND HOLE

FILE NAME = C:\p1\1620-11\Gen\1810\ADV\TYP.DGN	USER NAME = rdahhan	DESIGNED - R.L.	REVISED - 04/97	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION TRAFFIC SYSTEMS CENTER	PC CONCRETE - HEAVY DUTY HAND HOLE	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
PLOT SCALE = #SCALE#	CHECKED - R.L.	REVISED -	SCALE: NONE			SHEET NO. OF SHEETS	STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	74	55
PLOT DATE = 3/18/2018	DATE - 09/11/96	REVISED -	CONTRACT NO.								

MODEL: Default
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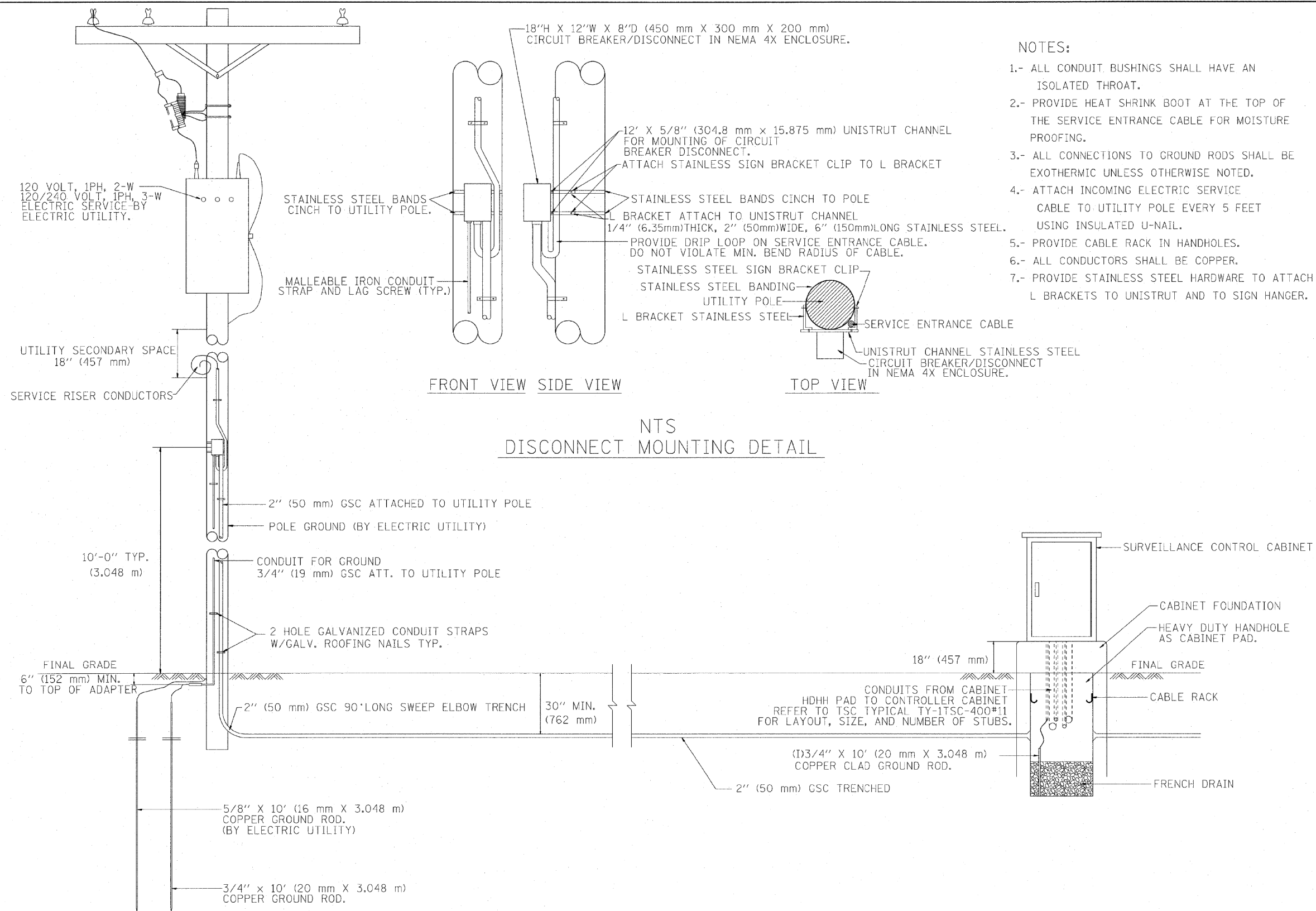


USER NAME = jworthington	DESIGNED -	REVISED -
PLOT SCALE = 24.0000" / ft.	CHECKED -	REVISED -
PLOT DATE = 8/17/2020	DATE - 08/18/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

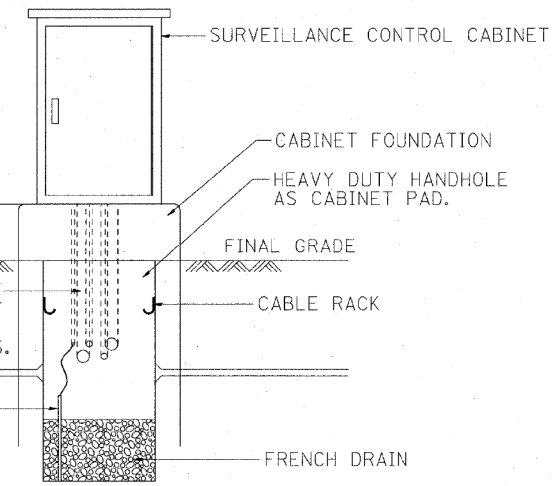
TRAFFIC SURVEILLANCE DETAILS			
SCALE: NTS	SHEET OF SHEETS	STA. TO STA.	

F.A./P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2020-192-B	WILL	299	174
CONTRACT NO. 62M63				
* FAI 55, FAP 338 ILLINOIS FED. AID PROJECT				



- NOTES:**
- 1.- ALL CONDUIT BUSHINGS SHALL HAVE AN ISOLATED THROAT.
 - 2.- PROVIDE HEAT SHRINK BOOT AT THE TOP OF THE SERVICE ENTRANCE CABLE FOR MOISTURE PROOFING.
 - 3.- ALL CONNECTIONS TO GROUND RODS SHALL BE EXOTHERMIC UNLESS OTHERWISE NOTED.
 - 4.- ATTACH INCOMING ELECTRIC SERVICE CABLE TO UTILITY POLE EVERY 5 FEET USING INSULATED U-NAIL.
 - 5.- PROVIDE CABLE RACK IN HANDHOLES.
 - 6.- ALL CONDUCTORS SHALL BE COPPER.
 - 7.- PROVIDE STAINLESS STEEL HARDWARE TO ATTACH L BRACKETS TO UNISTRUT AND TO SIGN HANGER.

**NTS
DISCONNECT MOUNTING DETAIL**



FILE NAME = P:\VP-07-1600-11\Gen\180\NAFERV.TYP.dgn	USER NAME = rdahhen	DESIGNED - R.L.	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION TRAFFIC SYSTEMS CENTER	POLE MOUNTED DISCONNECT MOUNTING DETAILS			F.A./RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		DRAWN - G.M.	REVISED -		SCALE: NONE	SHEET NO.	OF SHEETS	STA.	TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	74	58
		CHECKED - R.L.	REVISED -		CONTRACT NO.								
		DATE - 03/30/99	REVISED -		TRAFFIC SYSTEMS CENTER (TY-1TSC-400#20)								

MODEL: Default
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63916

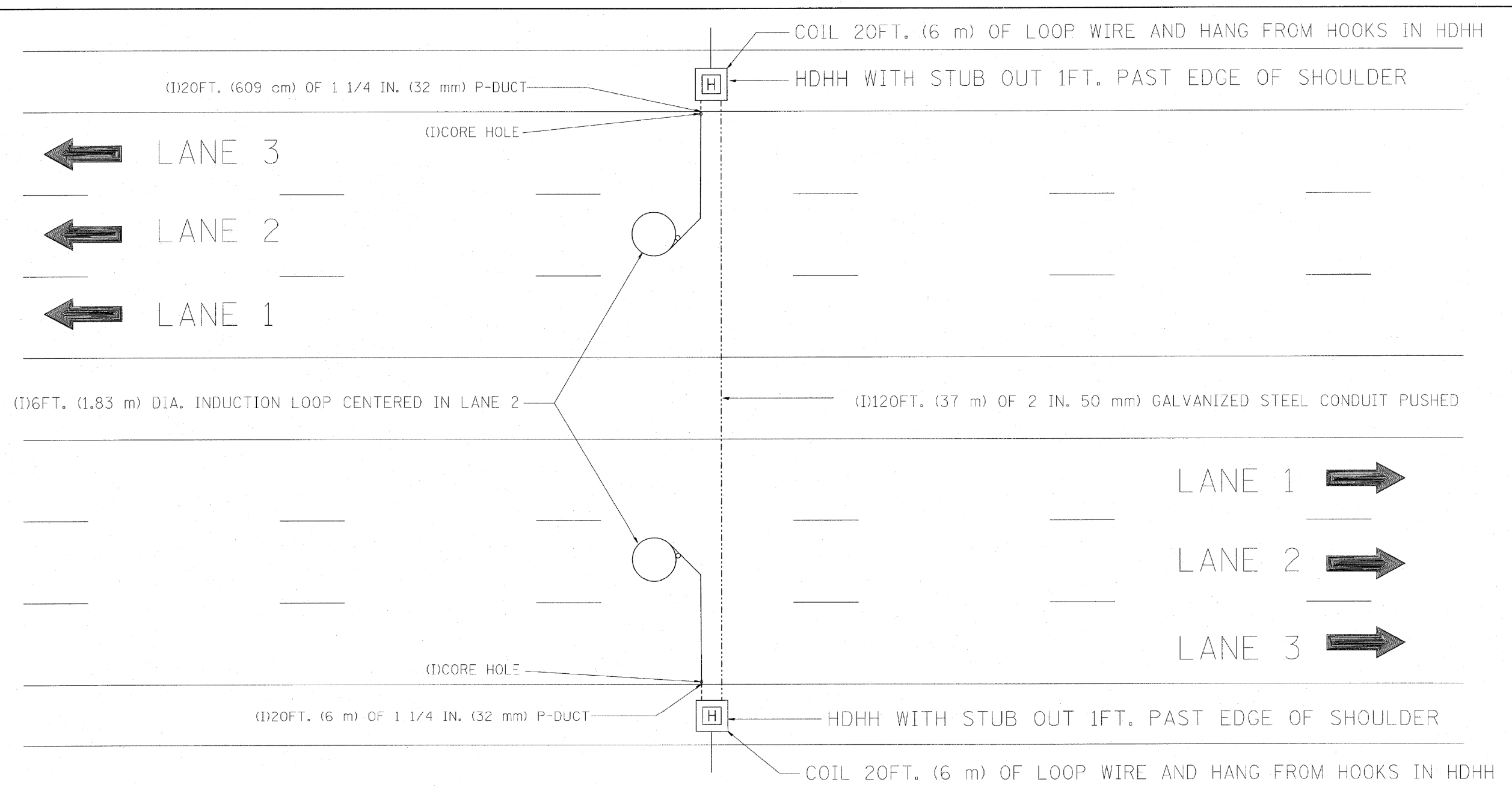


USER NAME = jworthington	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 24.0000' / ft.	CHECKED -	REVISED -
PLOT DATE = 8/17/2020	DATE - 08/18/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TRAFFIC SURVEILLANCE DETAILS			
SCALE: NTS	SHEET	OF SHEETS	STA. TO STA.

F.A./RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2020-192-B	WILL	299	175
CONTRACT NO. 62M63				
* FAI 55, FAP 338 ILLINOIS FED. AID PROJECT				



NOTE:
 THE COST OF LOOP WIRE IN HDHH IS INCIDENTAL TO THE INDUCTION LOOP.
 IT SHALL NOT BE MEASURE FOR PAYMENT.

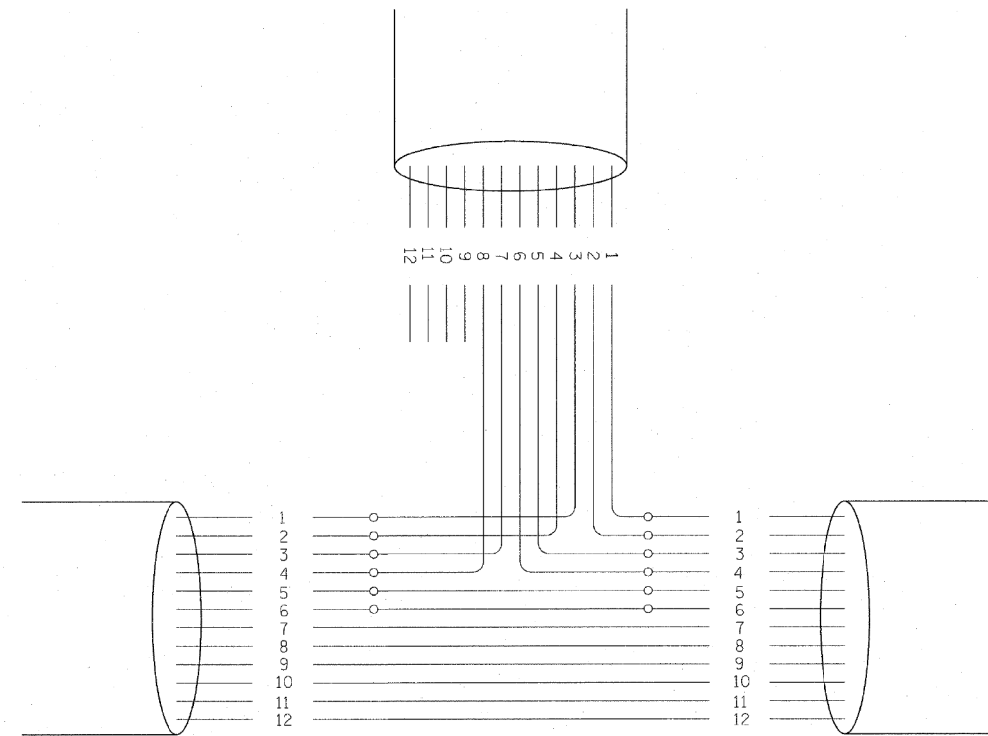
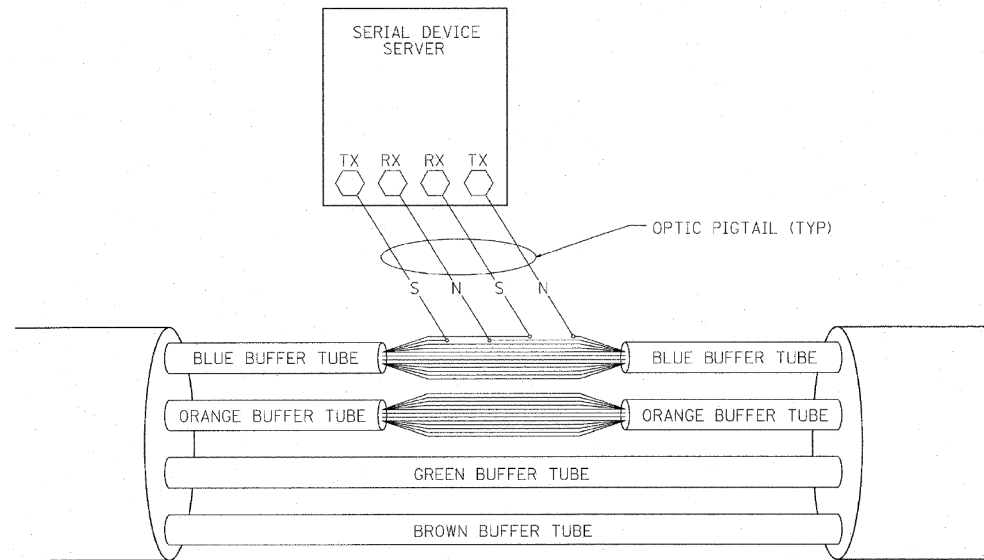
INSTALL AT STATIONS.

FOR INFORMATION ONLY

FILE NAME = P:\P-07-1620-11\Gen\1183\NAPERVYP.dgn	USER NAME = rdalhan	DESIGNED - J.C.	REVISIONS -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION TRAFFIC SYSTEMS CENTER	ONE LANE COUNT STATION			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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		CHECKED - J.C.	REVISIONS -		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT							
		DATE - 01-31-07	REVISIONS -		TRAFFIC SYSTEMS CENTER (TY-1TSC-400#31)							

Alfred Benesch & Company 35 W Wacker Drive, Suite 3300 Chicago, Illinois 60601 312-466-0450 Job No. 10740	USER NAME = jworthington	DESIGNED -	REVISIONS -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC SURVEILLANCE DETAILS			F.A./P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 24,0000 ' / ft.	CHECKED -	REVISIONS -		SCALE: NTS	SHEET OF SHEETS	STA. TO STA.	CONTRACT NO. 62M63				
	DATE - 08/18/2020	REVISIONS -		* FAI 55, FAP 338 ILLINOIS FED. AID PROJECT								

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PHYSICAL SPLICE DETAILS (TYP)
(NOT TO SCALE)

FIBERS			APPLICATION DESCRIPTION
FIBER NO.	COLOR CODE	FUNCTION	
1	BLUE	IN TX	DATA CIRCUIT
2	ORANGE	IN RX	
3	GREEN	OUT RX	
4	BROWN	OUT TX	
5	SLATE	IN TX	DMS
6	WHITE	IN RX	
7	RED	OUT RX	
8	BLACK	OUT TX	
9	YELLOW	IN TX	CCTV
10	VIOLET	IN TX	
11	ROSE	OUT RX	
12	AQUA	OUT TX	

NOTE:

1.- THIS DIAGRAM IS PROVIDED FOR ILLUSTRATION PURPOSES ONLY AND DEPICTS A TYPICAL FIBER OPTIC SPLICE.

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	PLOT DATE = 3/18/2010	DATE - 12/29/09	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
TRAFFIC SYSTEMS CENTER

FIBER OPTIC
SPLICING TYPICAL

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			74	64
CONTRACT NO.				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

TRAFFIC SYSTEMS CENTER 4TY-1TSC-400#41)

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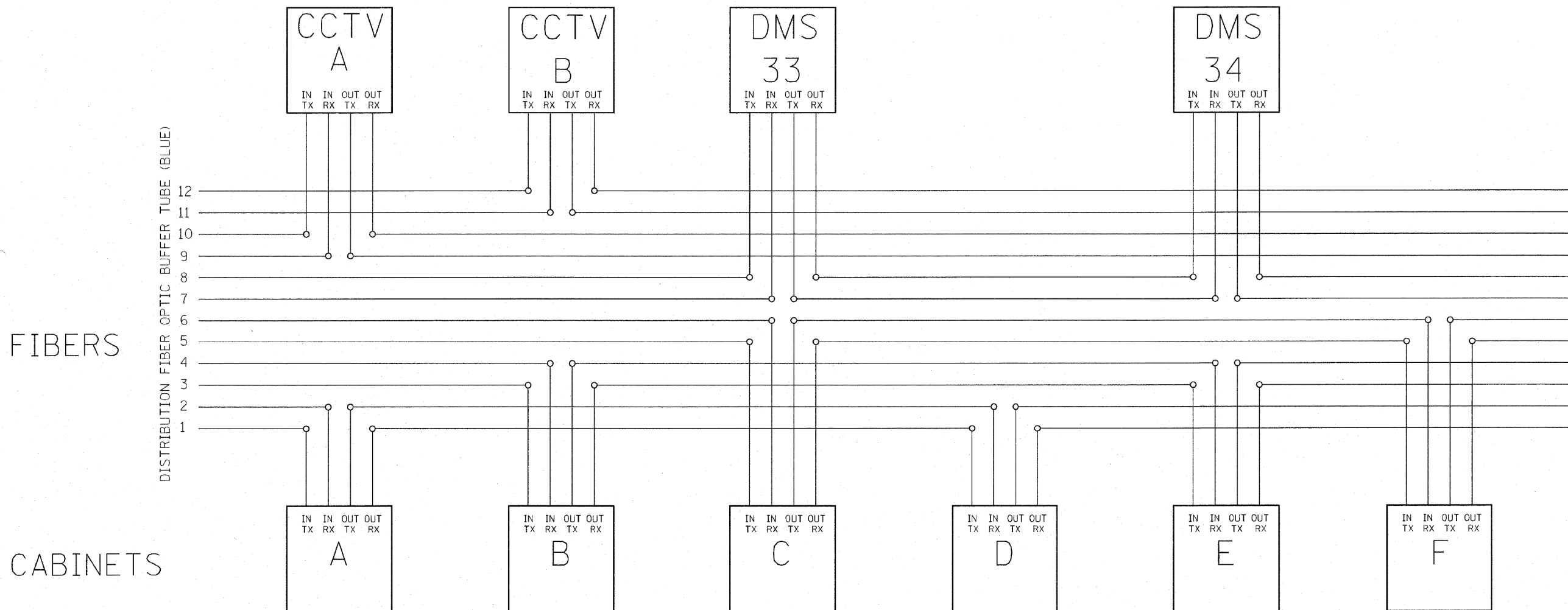
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	DRAWN -	REVISED -
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PLOT DATE = 8/17/2020	DATE - 08/18/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SURVEILLANCE DETAILS

SCALE: NTS	SHEET	OF	SHEETS	STA.	TO STA.
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F.A./P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2020-192-B	WILL	299	177
CONTRACT NO.			62M63	
* FAI 55, FAP 338 ILLINOIS FED. AID PROJECT				



FIBERS 1 AND 2 CABINETS 1, 4, 7, 10, 13, 16, 19, 22, 25, 28, 31, 34, 37, 40, 43, 46, 49.
 FIBERS 3 AND 4 CABINETS 2, 5, 8, 11, 14, 17, 20, 23, 26, 29, 32, 35, 38, 41, 44, 47, 50.
 FIBERS 5 AND 6 CABINETS 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, 36, 39, 42, 45, 48.
 FIBERS 7 AND 8 DMS 33, DMS 34.
 FIBERS 9 AND 10 CCTV 50, 49, 47B, 47, 45, 43A, 42, 40, 38, 37, 35A, 34, 32, 30A, 29.
 FIBERS 11 AND 12 CCTV 51, 49A, 48, 47A, 46, 44, 43, 40A, 39, 37A, 36, 35, 32A, 31, 30.

NOTE:

- 1.- CABINETS 8A, 8B, 8C, 32, 33, 39, 46, 47 ARE SPSSRVDS, SO THEY DO NOT GET ATTACHED TO THE FIBER.
- 2.- CCTV 49 AND 49A ARE IN THE ARSENAL RD. CONTRACT.

FOR INFORMATION ONLY

FILE NAME = G:\2009\2010 SUBMITTAL\108NAPER\TYP.dgn	USER NAME = mezag	DESIGNED - J.G.	REVISED - 01/27/2010	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION TRAFFIC SYSTEMS CENTER	FIBER OPTIC SPLICING DETAIL	F.A.I. RTE. 55	SECTION 2009-139SG	COUNTY WILL	TOTAL SHEETS 74	SHEET NO. 65		
PLOT SCALE = 95.4545' / IN.						SCALE: NONE		SHEET NO. OF SHEETS STA. TO STA.		CONTRACT 60K06		
PLOT DATE = 4/8/2010						DATE - 12/29/09		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
DRAWN - G.M.						REVISED - 03/05/2010						
CHECKED - J.G.				REVISED - 04/08/2010								
DATE - 12/29/09				REVISED -								



USER NAME = jworthington	DESIGNED -	REVISED -
	DRAWN -	REVISED -
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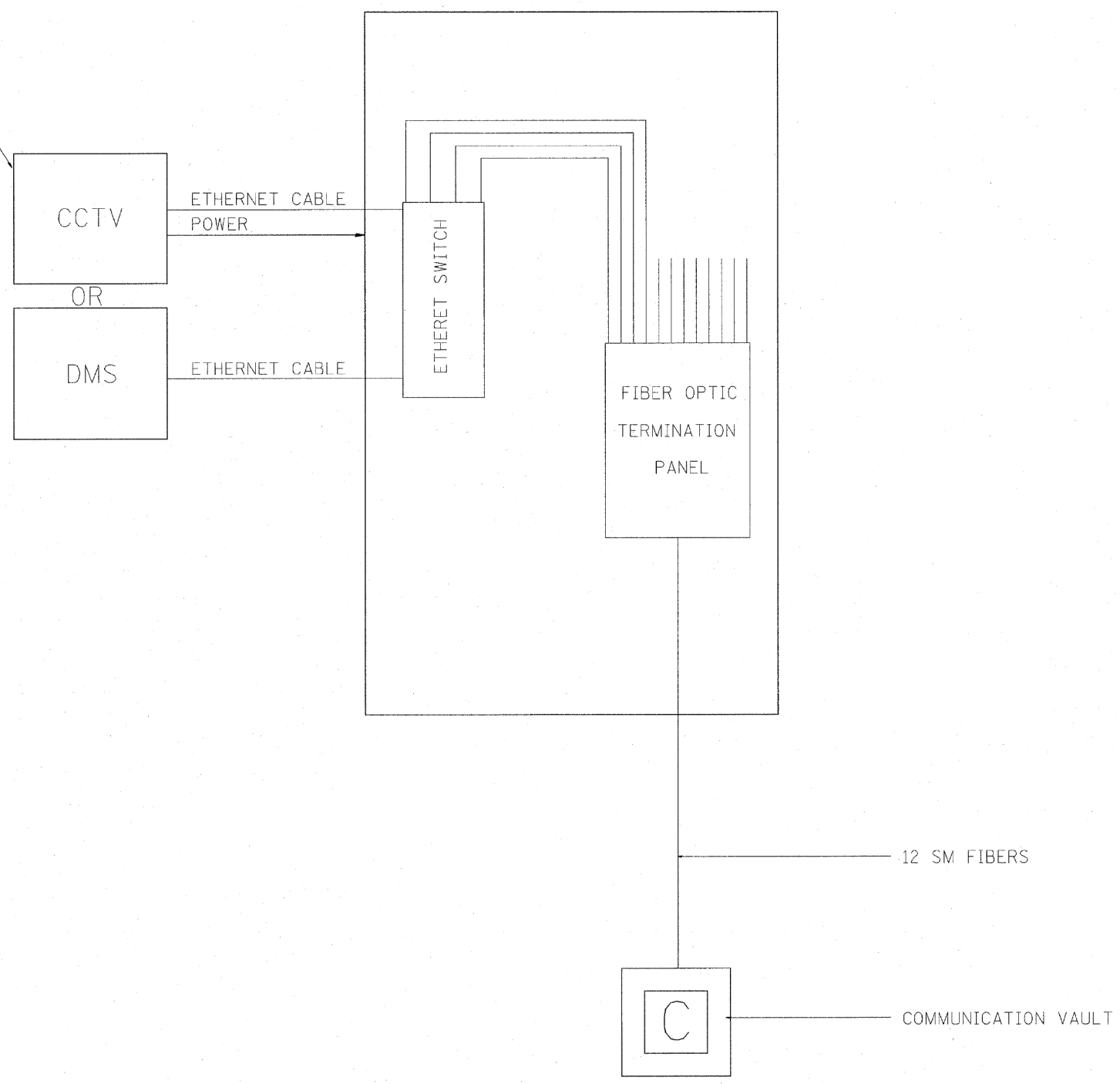
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TRAFFIC SURVEILLANCE DETAILS			
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F.A.I. RTE. *	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2020-192-B	WILL	299	178
CONTRACT NO. 62M63				
* FAI 55, FAP 338 ILLINOIS FED. AID PROJECT				

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INSTALL 120V. 30AMP. CIRCUIT BREAKER IN CCTV CAB.



FOR INFORMATION ONLY

FILE NAME = C:\d1060\155TSC1YP.DGN P:\P-27-1020-11\Gen\108NAPERV1YP.dgn	USER NAME = jworthington	DESIGNED - J.G. DRAWN - G.M.	REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION TRAFFIC SYSTEMS CENTER	CCTV CABINET TYPE 3		F.A./P.RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
PLOT SCALE = #SCALE#	CHECKED - J.G.	REVISED -	REVISED -		SCALE: NONE	SHEET NO.	OF	SHEETS	STA.	TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT
PLOT DATE = 3/18/2010	DATE - 01/25/2010	REVISED -	REVISED -		CONTRACT NO.							
TRAFFIC SYSTEMS CENTER (TY-1TSC-400#49)												

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USER NAME = jworthington	DESIGNED -	REVISED -
PLOT SCALE = 24.0000" / ft.	CHECKED -	REVISED -
PLOT DATE = 8/17/2020	DATE - 08/18/2020	REVISED -

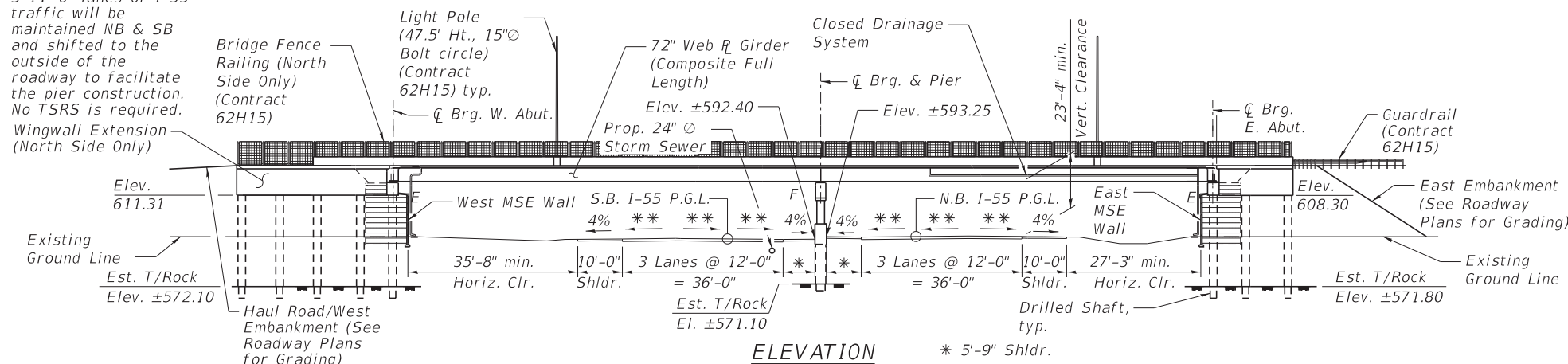
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TRAFFIC SURVEILLANCE DETAILS					
SCALE: NTS	SHEET	OF	SHEETS	STA.	TO STA.

F.A./P.RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2020-192-B	WILL	299	179
CONTRACT NO. 62M63				
* FAI 55, FAP 338 ILLINOIS FED. AID PROJECT				

Bench Mark: BM-302 Set 2" diameter Aluminum Disc in bridge wall at northwest corner of existing NB IL-59 Ramp Bridge over I-55, El. 625.23.
Existing Structure: None.

Note:
3-11'-0" lanes of I-55 traffic will be maintained NB & SB and shifted to the outside of the roadway to facilitate the pier construction. No TSRS is required.
Wingwall Extension (North Side Only)



CURVE DATA - 4

(IL RTE 59 NB)
P.I. Sta. = 8020+28.40
 $\Delta = 18^\circ 26' 43"$ (LT)
 $D = 14^\circ 57' 35"$
 $R = 383.00'$
 $T = 62.19'$
 $L = 123.30'$
 $E = 5.02'$
 $e = 2\%$ (30 MPH DDI Guide)
 $T.R. = 63.80'$
 $S.E. Run = 106.80'$
 $P.C. Sta. = 8019+66.21$
 $P.T. Sta. = 8020+89.51$

LOADING HL-93

Allow 50#/sq. ft. for future wearing surface.

DESIGN SPECIFICATIONS
2017 AASHTO LRFD Bridge Design Specifications, 8th Edition

DESIGN STRESSES

FIELD UNITS

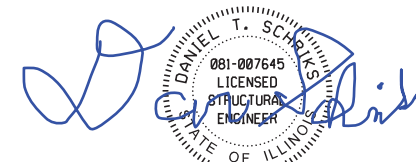
$f'c = 3,500$ psi
 $f'c = 4,000$ psi (Superstructure Concrete)
 $f_y = 60,000$ psi (Reinforcement)
 $f_y = 50,000$ psi (M270 Grade 50)
 $f_y = 36,000$ psi (AASHTO M270, Grade 36)

PRECAST UNITS

$f'c = 6,000$ psi
 $f'ci = 5,000$ psi

SEISMIC DATA

Seismic Performance Zone (SPZ) = 1
Design Spectral Acceleration at 1.0 sec. (S_{D1}) = 0.068g
Design Spectral Acceleration at 0.2 sec. (S_{D5}) = 0.127g
Soil Site Class = C



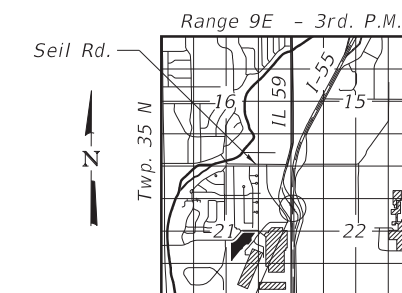
EXPIRATION DATE 11-30-2020
DATE: 9-18-2020

APPROVED
For Structural Adequacy Only

Carl Kumpas
Engineer of Bridges & Structures

NOTES:

- Stations and Offsets are measured from C I-55 to the front face of MSE wall. The elevation is to the proposed ground at Front Face of MSE Wall.
- Stations and Offsets to abutments and pier are measured from the C IL RTE 59 NB .



LOCATION SKETCH

GENERAL PLAN AND ELEVATION

IL RTE 59 NB OVER I-55

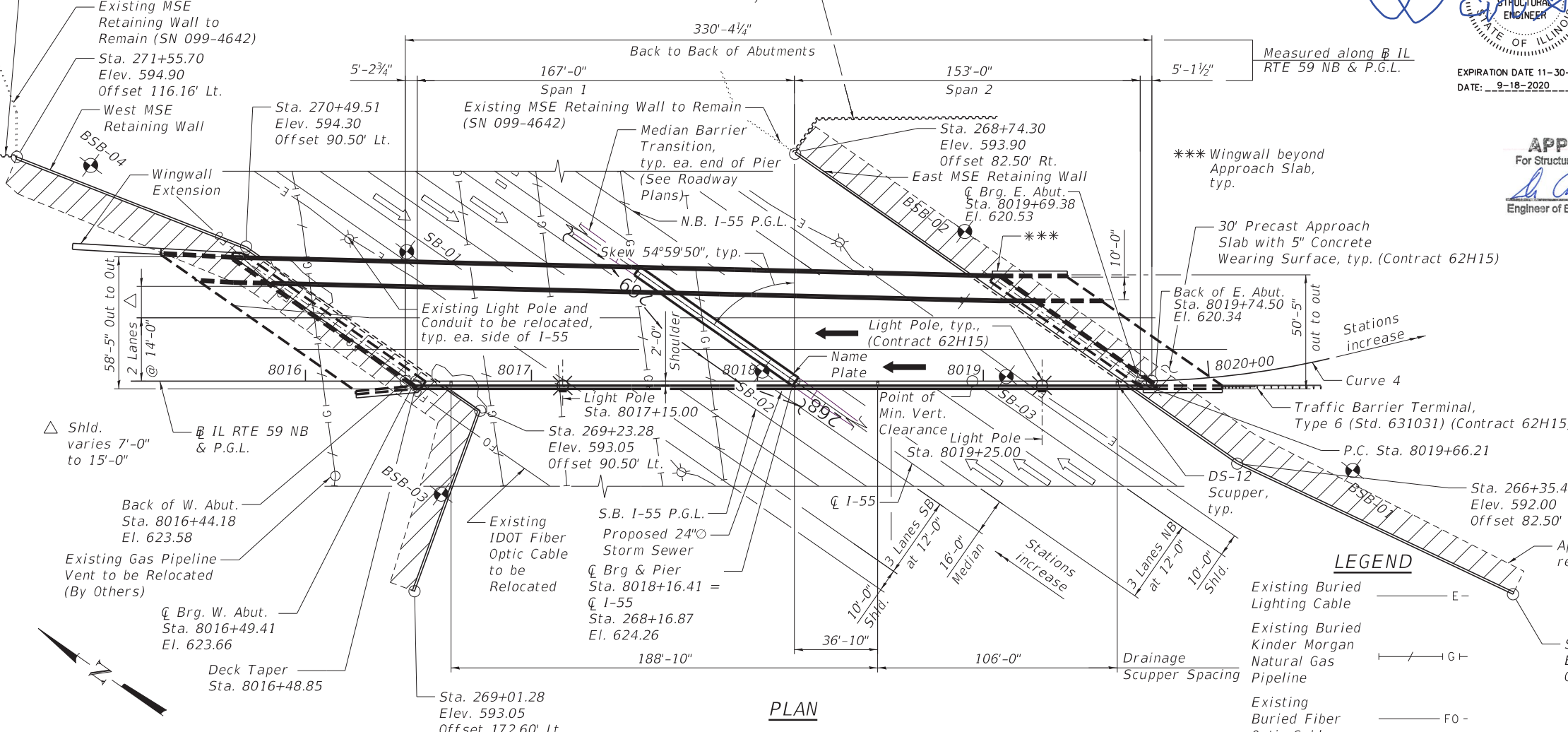
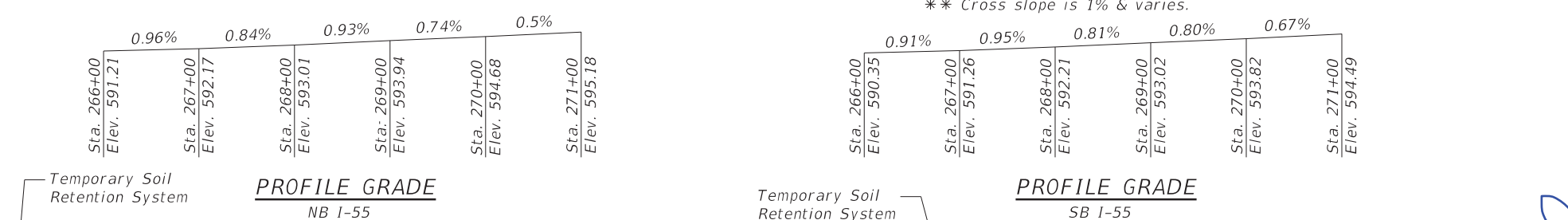
F.A.P. ROUTE 338

SECTION NO. 2020-192-B

WILL COUNTY

STATION 8018+16.41

STRUCTURE NO. 099-4666



LEGEND

- Existing Buried Lighting Cable — E —
- Existing Buried Kinder Morgan Natural Gas Pipeline — G —
- Existing Buried Fiber Optic Cable — FO —

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**



USER NAME - dschrlks	DESIGNED - DTS	REVISIONS
	CHECKED - KJN	REVISIONS
PLOT SCALE -	DRAWN - AJB	REVISIONS
DATE 09/18/2020	CHECKED - KJN	REVISIONS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-	2020-192-B	WILL	299	180
CONTRACT NO. 62M63				
FAI 55, FAP 338 ILLINOIS FED. AID PROJECT				

GENERAL NOTES

- Fasteners shall be ASTM F3125 Grade A325 Type 1, hot dipped galvanized bolts in metalized areas. Bolts $\frac{7}{8}$ ", open holes $\frac{1}{16}$ ", unless otherwise noted.
- Calculated weight of Structural Steel = 774,160 lbs
M 270 Grade 36: 25,640 lbs
M 270 Grade 50: 748,520 lbs
- The Contractor may substitute Grade 50 for Grade 36 at no additional cost to the Contract.
- No field welding is permitted except as specified in the contract documents.
- Reinforcement bars designated (E) shall be epoxy coated.
- If the Contractor elects to use cantilever forming brackets on the exterior beams or girders, the brackets shall be placed at the same locations as required for the hardwood blocks in Article 503.06(b) of the Standard Specifications. If additional cantilever forming brackets are required, hardwood blocking shall be wedged between the exterior and first interior beam at each of these additional bracket locations.
- The concrete for bridge decks finished according to Article 503.16(a) of the Standard Specifications shall be placed and compacted parallel to the skew in uniform increments along centerline of bridge. The machine used for finishing shall be set parallel to the skew for striking off and screeding the concrete.
- Bearing seat surfaces shall be constructed or adjusted to the designated elevations within a tolerance of 1/8 in. (0.01 ft.). Adjustment shall be made either by grinding the surface or by shimming the bearings.
- Concrete Sealer shall be applied to the exposed surface areas of the pier.
- Slipforming of the parapets is not permitted.
- All new structural steel shall be metallized. See Special Provision for "Metallizing of Structural Steel."
- The bridge deck is required to be cast prior to backfilling behind the abutments. The entire concrete diaphragms shall be cast with the bridge deck.
- See Roadway plans for "Temporary Chain Link Fence (Portable)" to be placed on the deck and approach areas for fall protection.

KINDER MORGAN NOTES

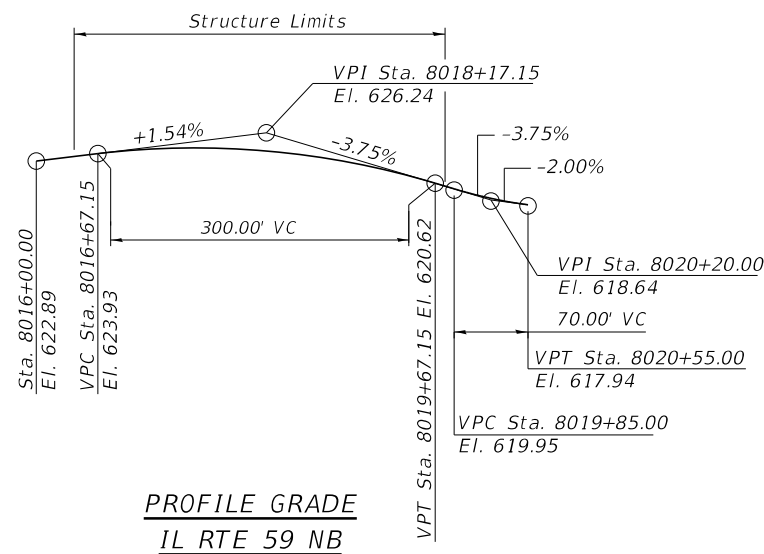
- Kinder Morgan gas lines adjacent to proposed drilled shafts WA-2, WA-3, P-1, P-2 and P-3 must be located by hydrovac excavation prior to commencing drilling operations. Cost included with "Drilled Shaft in Soil".
- A Kinder Morgan representative must be on site to visually inspect and confirm gas line locations prior to commencing drilling operations.
- Kinder Morgan shall be contacted a minimum 3 working days prior to the start of hydrovac excavation.
- Drill equipment or outriggers shall not be placed directly over the gas lines unless over protective timber matting. See Civil Plans for Timber Matting Protection at Kinder Morgan Gas Lines.

INDEX OF SHEETS

- S01 General Plan and Elevation
- S02 General Notes, Bill of Material and Index of Sheets
- S03 General Details
- S04 Foundation Layout Plan
- S05 Top of Slab Elevations Plan
- S06 Top of Slab Elevations (1 of 3)
- S07 Top of Slab Elevations (2 of 3)
- S08 Top of Slab Elevations (3 of 3)
- S09 Deck Reinforcement Plan - Span 1
- S10 Deck Reinforcement Plan - Span 2
- S11 Deck Cross Section
- S12 Shared Use Path and Parapet Details
- S13 South Parapet Details
- S14 Superstructure Details
- S15 Diaphragm Details
- S16 Bridge Railing and Fencing Details
- S17 Drainage Scupper Details
- S18 Drainage Details
- S19 Framing Plan and Girder Elevation
- S20 Cross Frame Details
- S21 Moment and Reaction Tables
- S22 Splice Details
- S23 HLMR Guided Bearing Details
- S24 HLMR Fixed Bearing Details
- S25 West Abutment Plan and Elevation
- S26 West Abutment Details (1 of 2)
- S27 West Abutment Details (2 of 2)
- S28 East Abutment Plan and Elevation
- S29 East Abutment Details
- S30 West Abutment MSE Wall
- S31 East Abutment MSE Wall
- S32 MSE Wall Details
- S33 Pier Details (1 of 2)
- S34 Pier Details (2 of 2)
- S35 Drilled Shaft Details
- S36 Chain Link Fence Details
- S37 Existing SN 099-4642 Plans (1 of 3)
- S38 Existing SN 099-4642 Plans (2 of 3)
- S39 Existing SN 099-4642 Plans (3 of 3)
- S40 Soil Boring Logs (1 of 3)
- S41 Soil Boring Logs (2 of 3)
- S42 Soil Boring Logs (3 of 3)

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
PROTECTIVE SHIELD	Sq. Yd.	1,918	-	1,918
STRUCTURE EXCAVATION	Cu. Yd.	-	1,358	1,358
REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL FOR STRUCTURES	Cu. Yd.	-	293	293
CONCRETE STRUCTURES	Cu. Yd.	-	536.6	536.6
CONCRETE SUPERSTRUCTURE	Cu. Yd.	814.2	-	814.2
BRIDGE DECK GROOVING	Sq. Yd.	1,405	-	1,405
PROTECTIVE COAT	Sq. Yd.	2,324	-	2,324
FURNISHING AND ERECTING STRUCTURAL STEEL	L. Sum	1	-	1
STUD SHEAR CONNECTORS	Each	7,422	-	7,422
REINFORCEMENT BARS, EPOXY COATED	Pound	184,030	170,450	354,480
NAME PLATES	Each	-	1	1
PERMANENT CASING	Foot	-	116	116
DRILLED SHAFT IN SOIL	Cu. Yd.	-	242.4	242.4
DRILLED SHAFT IN ROCK	Cu. Yd.	-	36.1	36.1
ANCHOR BOLTS, 1"	Each	-	56	56
ANCHOR BOLTS, 1 1/4"	Each	-	28	28
TEMPORARY SOIL RETENTION SYSTEM	Sq. Ft.	-	1,921	1,921
MECHANICALLY STABILIZED EARTH RETAINING WALL	Sq. Ft.	-	11,273	11,273
GRANULAR BACKFILL FOR STRUCTURES	Cu. Yd.	-	823	823
CONCRETE SEALER	Sq. Ft.	-	4,431	4,431
GEOCOMPOSITE WALL DRAIN	Sq. Yd.	-	162	162
RETAINING WALL REMOVAL	Sq. Ft.	-	1,380	1,380
THERMAL INTEGRITY PROFILE TESTING	Each	-	8	8
THERMAL INTEGRITY PROFILE DATA COLLECTION	Foot	-	1,013	1,013
HIGH LOAD MULTI-ROTATIONAL BEARINGS, GUIDED EXPANSION, 300K	Each	7	-	7
HIGH LOAD MULTI-ROTATIONAL BEARINGS, GUIDED EXPANSION, 350K	Each	7	-	7
HIGH LOAD MULTI-ROTATIONAL BEARINGS, FIXED - 600K	Each	7	-	7
CHAIN LINK FENCE, 4' ATTACHED TO STRUCTURE	Foot	-	753	753
DRAINAGE SCUPPERS, DS-12	Each	3	-	3
DRAINAGE SYSTEM	L. Sum	1	-	1



STATION 8018+16.41
BUILT 2021 BY
STATE OF ILLINOIS
F.A.P RTE. 338 SEC. 2020-192-B
LOADING HL-93
STRUCTURE NO. 099-4666

NAME PLATE
See Std. 515001

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES, BILL OF MATERIAL AND INDEX OF SHEETS
STRUCTURE NO. 099-4666

F.A.I/P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-	2020-192-B	WILL	299	181
CONTRACT NO. 62M63				
= FAI 55, FAP 338 ILLINOIS FED. AID PROJECT				

SHEET S02 OF S42 SHEETS

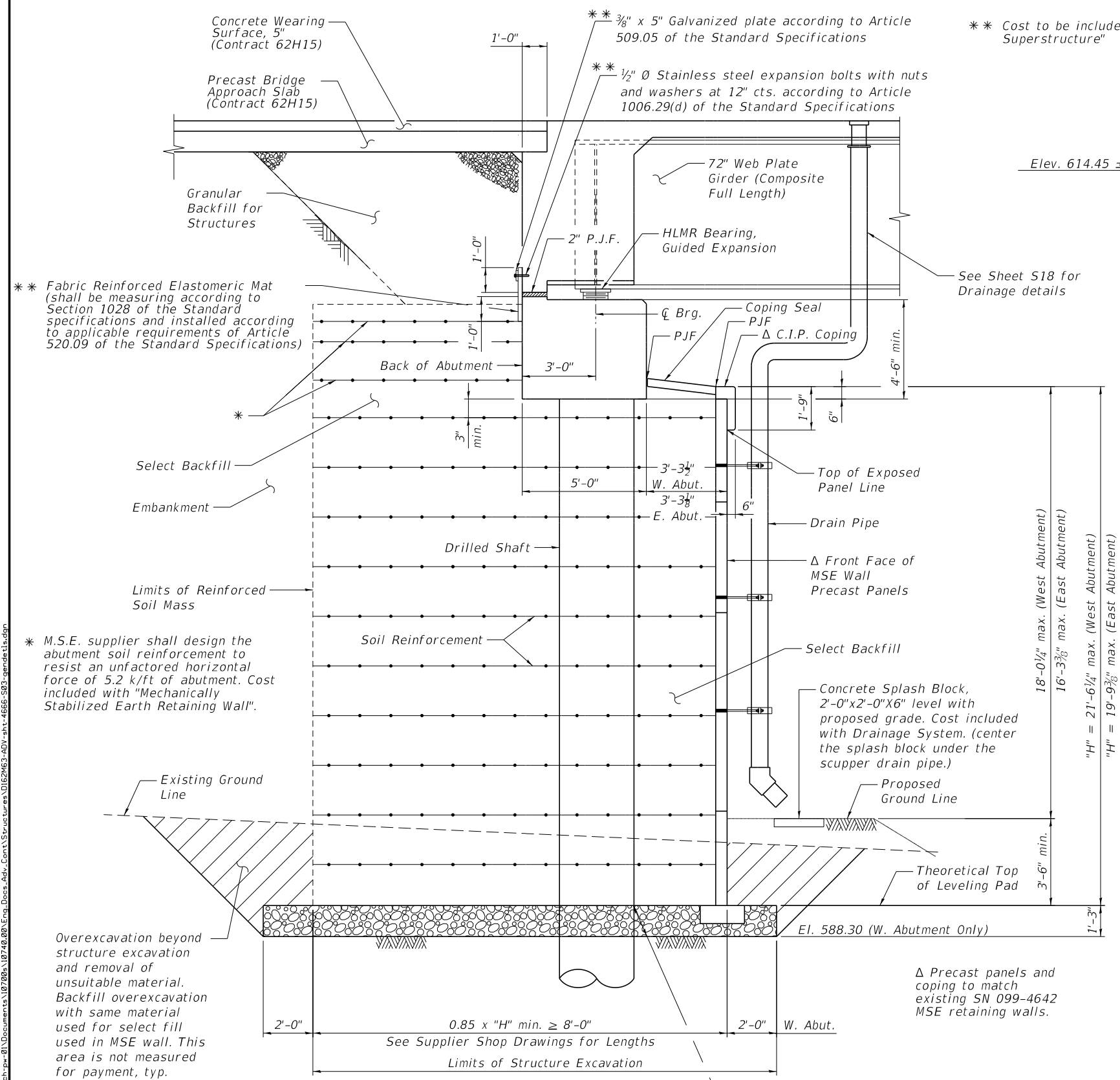
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	CHECKED - KJN	REVISED -
PLOT SCALE -	DRAWN - AJB	REVISED -
DATE 09/18/2020	CHECKED - KJN	REVISED -

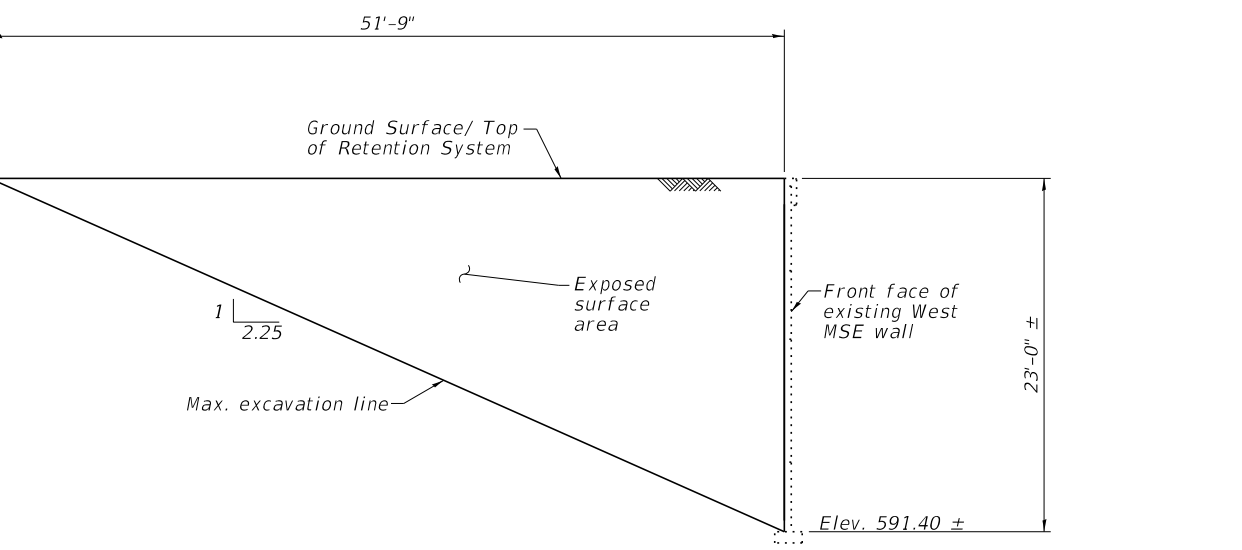
Alfred Benesch & Company
35 W Wacker Drive, Suite 3300
Chicago, Illinois 60601
312-465-0450 Job No. 10740

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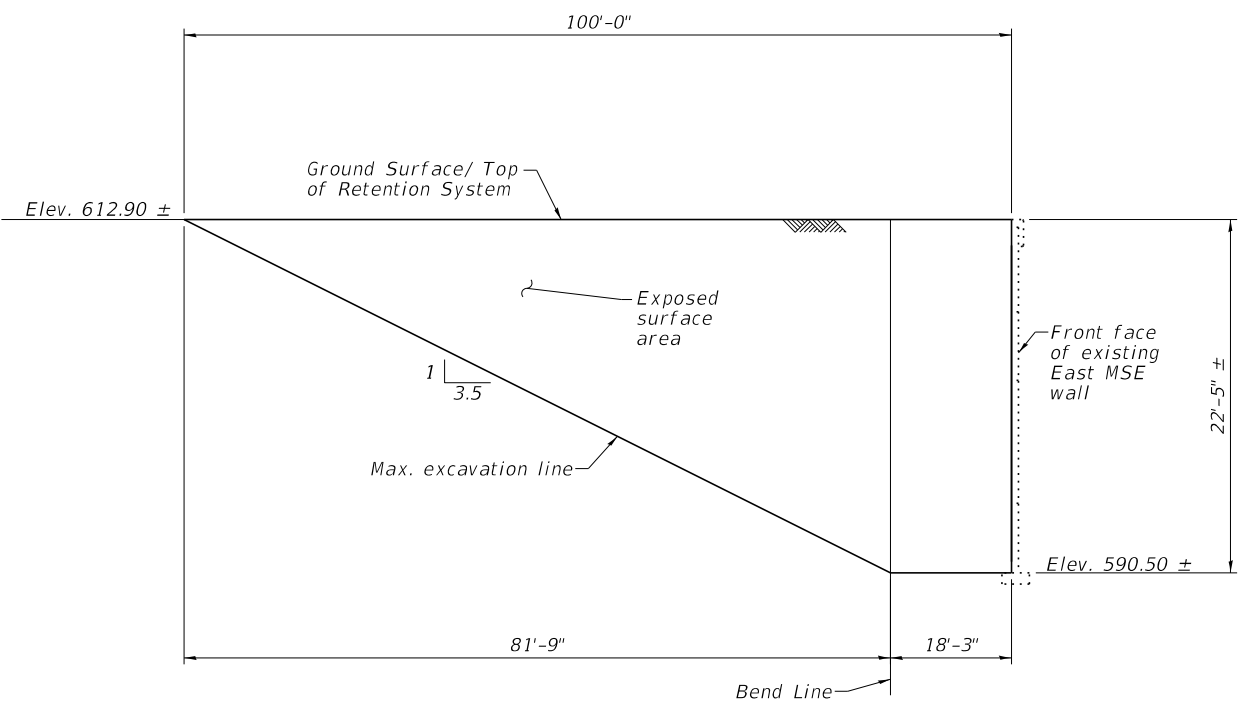


SECTION THRU ABUTMENT
 All Horizontal Dimensions at Rt. Angles
 (West Abutment Shown - East Abutment Similar U.N.O.)

Removal of Unsuitable Material for Structures. Backfill with Granular Backfill for Structures. Granular Backfill for Structures replacing unsuitable material shall be placed and compacted to minimum of 95% of maximum dry density, as determined by AASHTO T-180: Standard Test Methods for Moisture-Density Relation of Soil and Soil-Aggregate Mixtures (ASTM D1557) in accordance with IDOT standard construction requirements. (See Sheet S30 for estimated limits)



TEMPORARY SOIL RETENTION SYSTEM AT WEST MSE WALL



TEMPORARY SOIL RETENTION SYSTEM AT EAST MSE WALL

- NOTES:**
1. Temporary Soil Retention at northeast corner shall be installed at panel line of MSE wall. Prior to driving, first MSE wall strap shall be exposed to avoid interference with driving. Use of tiebacks may not be possible due presence of existing MSE wall straps.
 2. A cantilever sheet piling design does not appear feasible and additional members or other retention systems may be necessary. The contractor shall submit a temporary soil retention system design including plan details and calculations for review and acceptance by the Engineer.



USER NAME	- kkeny	DESIGNED	- WKK	REVISED	-
		CHECKED	- DTS	REVISED	-
PLOT SCALE	-	DRAWN	- AJB	REVISED	-
DATE	10/05/2020	CHECKED	- DS	REVISED	-

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**GENERAL DETAILS
 STRUCTURE NO. 099-4666**

SHEET S03 OF S42 SHEETS

F.A.I.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-	2020-192-B	WILL	299	182
CONTRACT NO. 62M63				
FAI 55, FAP 338		ILLINOIS		FED. AID PROJECT

NOTES:

1. Stations and Offsets to the front face of MSE walls are measured from the $\bar{\text{C}}\text{ I-55}$.
2. Stations and Offsets to abutments, wingwalls and pier are measured from the $\bar{\text{B}}\text{ IL RTE 59 NB}$.
3. See sheet S03 for Temporary Soil Retention System (TSRS) details.
4. See sheet S35 for drilled shaft details.
5. The Contractor shall remove the possible abandoned casing and gas line as required to install the drilled shaft. The Contractor shall coordinate this work with Kinder Morgan prior to commencing location and removal of the casing and gas line. Cost included with "Drilled Shaft in Soil".

FOUNDATION LAYOUT

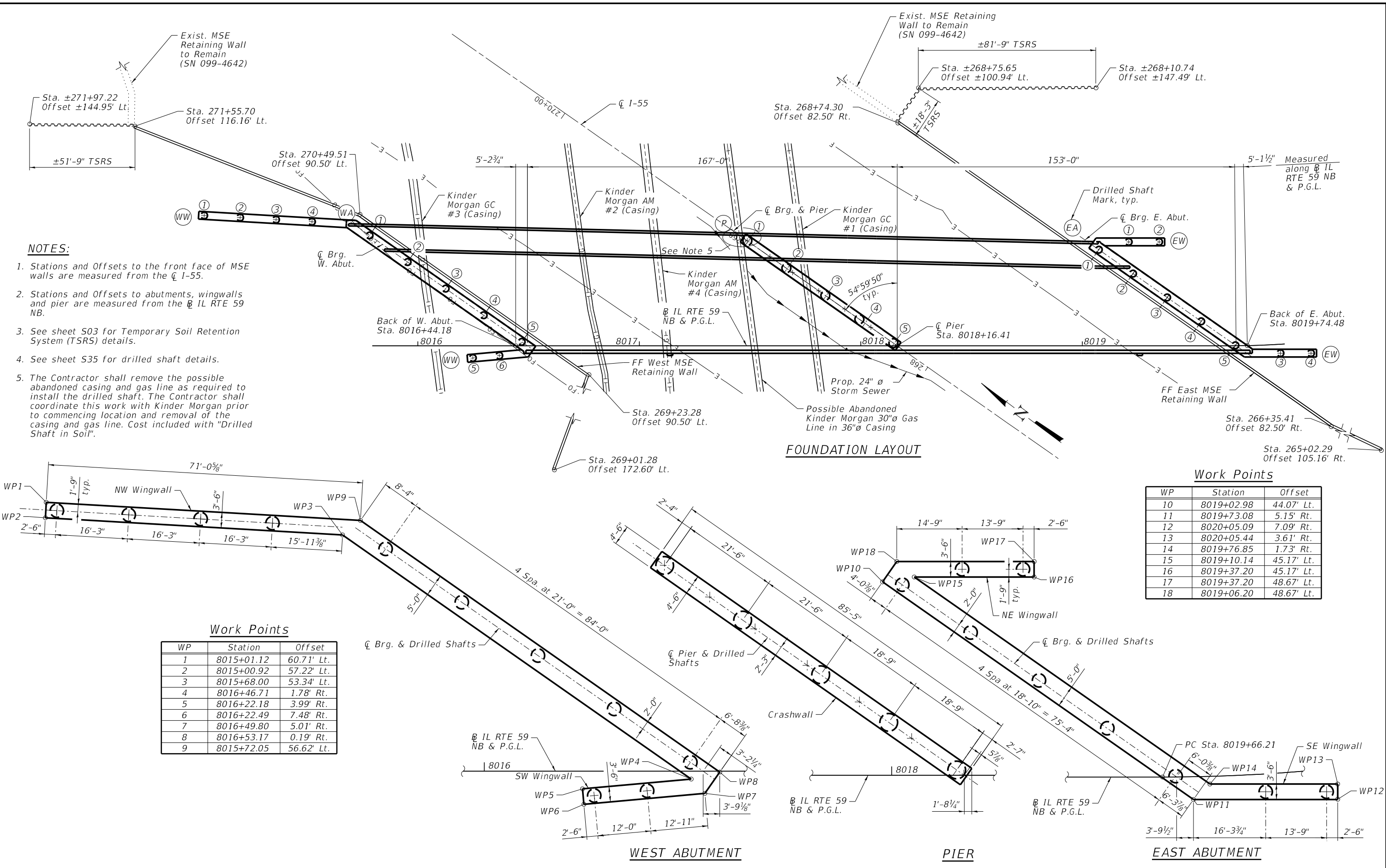
Work Points

WP	Station	Offset
10	8019+02.98	44.07' Lt.
11	8019+73.08	5.15' Rt.
12	8020+05.09	7.09' Rt.
13	8020+05.44	3.61' Rt.
14	8019+76.85	1.73' Rt.
15	8019+10.14	45.17' Lt.
16	8019+37.20	45.17' Lt.
17	8019+37.20	48.67' Lt.
18	8019+06.20	48.67' Lt.

Work Points

WP	Station	Offset
1	8015+01.12	60.71' Lt.
2	8015+00.92	57.22' Lt.
3	8015+68.00	53.34' Lt.
4	8016+46.71	1.78' Rt.
5	8016+22.18	3.99' Rt.
6	8016+22.49	7.48' Rt.
7	8016+49.80	5.01' Rt.
8	8016+53.17	0.19' Rt.
9	8015+72.05	56.62' Lt.

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USER NAME	DESIGNED	REVISIONS
ksnyder	DTS	-
	KJN	-
	AJB	-
	KJN	-

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

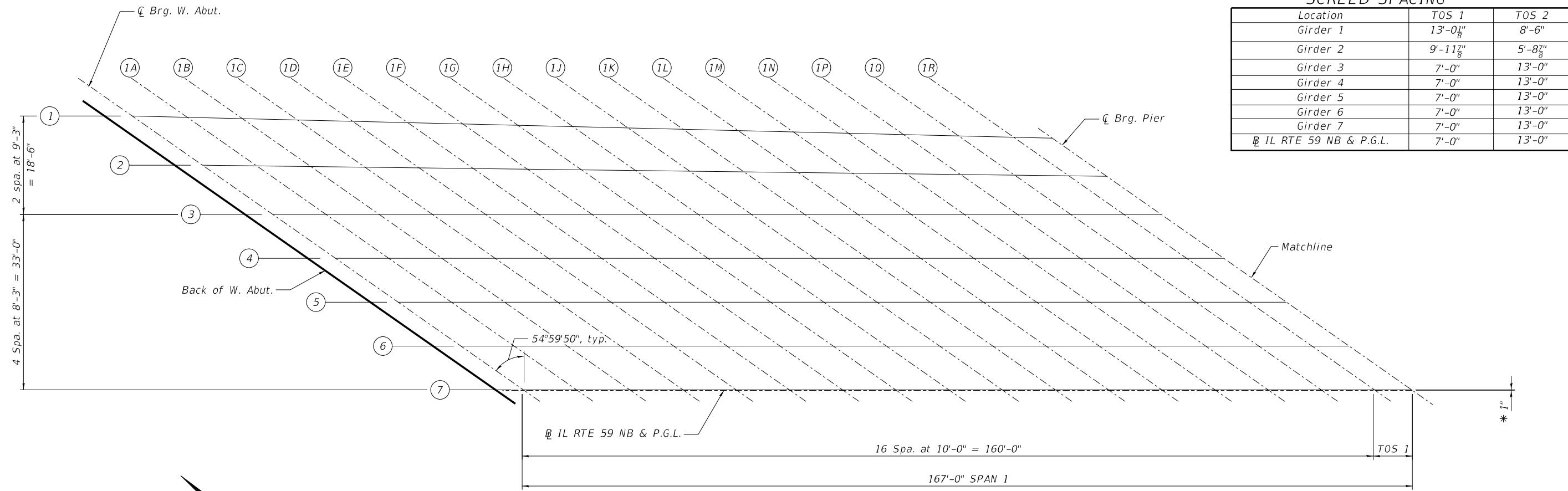
**FOUNDATION LAYOUT PLAN
STRUCTURE NO. 099-4666**

SHEET S04 OF S42 SHEETS

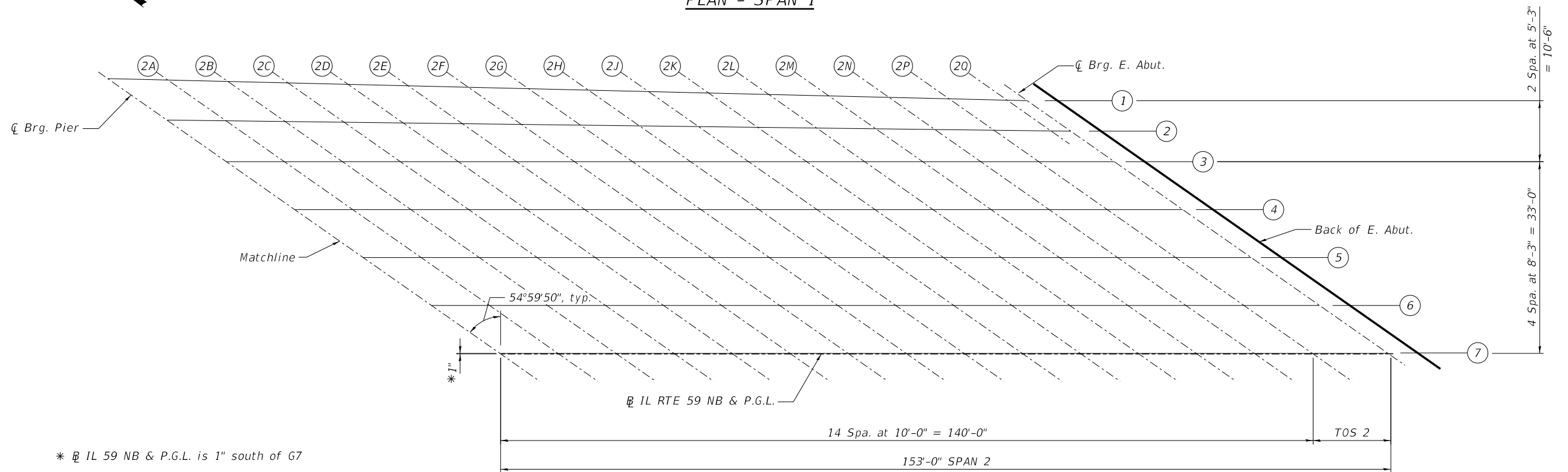
F.A.I.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2020-192-B	WILL	299	183
CONTRACT NO. 62M63				
* FAI 55, FAP 338 ILLINOIS FED. AID PROJECT				

SCREED SPACING

Location	TOS 1	TOS 2
Girder 1	13'-0 $\frac{1}{8}$ "	8'-6"
Girder 2	9'-11 $\frac{7}{8}$ "	5'-8 $\frac{7}{8}$ "
Girder 3	7'-0"	13'-0"
Girder 4	7'-0"	13'-0"
Girder 5	7'-0"	13'-0"
Girder 6	7'-0"	13'-0"
Girder 7	7'-0"	13'-0"
IL RTE 59 NB & P.G.L.	7'-0"	13'-0"



PLAN - SPAN 1



PLAN - SPAN 2

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USER NAME - ksnyder	DESIGNED - EAO	REVISED -
PLOT SCALE -	CHECKED - DTS	REVISED -
DATE 09/18/2020	DRAWN - AJB	REVISED -
	CHECKED - DTS	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TOP OF SLAB ELEVATION PLAN
STRUCTURE NO. 099-4666

SHEET 505 OF 542 SHEETS

F.A./P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2020-192-B	WILL	299	184
CONTRACT NO. 62M63				
* FAI 55, FAP 338 ILLINOIS FED. AID PROJECT				

BEAM 4

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
BK. W. ABUT.	8016+08.72	-24.83	623.53	623.53
CL BRG. W. ABUT.	8016+13.95	-24.83	623.61	623.61
1A	8016+23.95	-24.83	623.76	623.83
1B	8016+33.95	-24.83	623.92	624.06
1C	8016+43.95	-24.83	624.07	624.27
1D	8016+53.95	-24.83	624.22	624.48
1E	8016+63.95	-24.83	624.38	624.67
1F	8016+73.95	-24.83	624.53	624.84
1G	8016+83.95	-24.83	624.66	624.98
1H	8016+93.95	-24.83	624.78	625.08
1J	8017+03.95	-24.83	624.87	625.16
1K	8017+13.95	-24.83	624.95	625.21
1L	8017+23.95	-24.83	625.02	625.23
1M	8017+33.95	-24.83	625.06	625.22
1N	8017+43.95	-24.83	625.09	625.20
1P	8017+53.95	-24.83	625.10	625.17
1Q	8017+63.95	-24.83	625.09	625.12
1R	8017+73.95	-24.83	625.07	625.08
CL BRG PIER	8017+80.95	-24.83	625.04	625.04
2A	8017+90.95	-24.83	624.98	624.98
2B	8018+00.95	-24.83	624.91	624.92
2C	8018+10.95	-24.83	624.82	624.85
2D	8018+20.95	-24.83	624.71	624.77
2E	8018+30.95	-24.83	624.58	624.67
2F	8018+40.95	-24.83	624.44	624.56
2G	8018+50.95	-24.83	624.28	624.42
2H	8018+60.95	-24.83	624.10	624.27
2J	8018+70.95	-24.83	623.90	624.08
2K	8018+80.95	-24.83	623.69	623.87
2L	8018+90.95	-24.83	623.46	623.62
2M	8019+00.95	-24.83	623.21	623.35
2N	8019+10.95	-24.83	622.94	623.05
2P	8019+20.95	-24.83	622.66	622.72
CL BRG. E. ABUT.	8019+33.95	-24.83	622.26	622.26
BK. E. ABUT.	8019+39.18	-24.83	622.09	622.09

BEAM 5

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
BK. W. ABUT.	8016+20.50	-16.58	623.54	623.54
CL BRG. W. ABUT.	8016+25.73	-16.58	623.62	623.62
1A	8016+35.73	-16.58	623.78	623.85
1B	8016+45.73	-16.58	623.93	624.08
1C	8016+55.73	-16.58	624.09	624.29
1D	8016+65.73	-16.58	624.24	624.49
1E	8016+75.73	-16.58	624.39	624.68
1F	8016+85.73	-16.58	624.52	624.83
1G	8016+95.73	-16.58	624.63	624.95
1H	8017+05.73	-16.58	624.72	625.03
1J	8017+15.73	-16.58	624.80	625.09
1K	8017+25.73	-16.58	624.86	625.12
1L	8017+35.73	-16.58	624.90	625.11
1M	8017+45.73	-16.58	624.93	625.09
1N	8017+55.73	-16.58	624.93	625.05
1P	8017+65.73	-16.58	624.92	625.00
1Q	8017+75.73	-16.58	624.89	624.93
1R	8017+85.73	-16.58	624.85	624.86
CL BRG PIER	8017+92.73	-16.58	624.81	624.81
2A	8018+02.73	-16.58	624.73	624.73
2B	8018+12.73	-16.58	624.64	624.65
2C	8018+22.73	-16.58	624.52	624.55
2D	8018+32.73	-16.58	624.39	624.45
2E	8018+42.73	-16.58	624.25	624.33
2F	8018+52.73	-16.58	624.08	624.20
2G	8018+62.73	-16.58	623.90	624.05
2H	8018+72.73	-16.58	623.70	623.87
2J	8018+82.73	-16.58	623.48	623.66
2K	8018+92.73	-16.58	623.25	623.43
2L	8019+02.73	-16.58	623.00	623.16
2M	8019+12.73	-16.58	622.73	622.87
2N	8019+22.73	-16.58	622.44	622.54
2P	8019+32.73	-16.58	622.13	622.20
CL BRG. E. ABUT.	8019+45.72	-16.58	621.71	621.71
BK. E. ABUT.	8019+50.95	-16.58	621.53	621.53

BEAM 6

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
BK. W. ABUT.	8016+32.28	-8.33	623.56	623.56
CL BRG. W. ABUT.	8016+37.51	-8.33	623.64	623.64
1A	8016+47.51	-8.33	623.79	623.87
1B	8016+57.51	-8.33	623.95	624.09
1C	8016+67.51	-8.33	624.10	624.31
1D	8016+77.51	-8.33	624.25	624.50
1E	8016+87.51	-8.33	624.37	624.67
1F	8016+97.51	-8.33	624.48	624.79
1G	8017+07.51	-8.33	624.57	624.89
1H	8017+17.51	-8.33	624.65	624.96
1J	8017+27.51	-8.33	624.70	624.99
1K	8017+37.51	-8.33	624.74	625.00
1L	8017+47.51	-8.33	624.76	624.97
1M	8017+57.51	-8.33	624.77	624.93
1N	8017+67.51	-8.33	624.75	624.87
1P	8017+77.51	-8.33	624.72	624.79
1Q	8017+87.51	-8.33	624.67	624.71
1R	8017+97.51	-8.33	624.61	624.62
CL BRG PIER	8018+04.51	-8.33	624.55	624.55
2A	8018+14.51	-8.33	624.45	624.45
2B	8018+24.51	-8.33	624.34	624.35
2C	8018+34.51	-8.33	624.20	624.23
2D	8018+44.51	-8.33	624.05	624.11
2E	8018+54.51	-8.33	623.89	623.97
2F	8018+64.51	-8.33	623.70	623.82
2G	8018+74.51	-8.33	623.50	623.64
2H	8018+84.51	-8.33	623.28	623.44
2J	8018+94.51	-8.33	623.04	623.22
2K	8019+04.51	-8.33	622.78	622.96
2L	8019+14.51	-8.33	622.51	622.68
2M	8019+24.51	-8.33	622.22	622.36
2N	8019+34.51	-8.33	621.91	622.02
2P	8019+44.51	-8.33	621.59	621.65
CL BRG. E. ABUT.	8019+57.51	-8.33	621.13	621.13
BK. E. ABUT.	8019+62.74	-8.33	620.95	620.95

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USER NAME	ksnlr	DESIGNED	EAO	REVISED	-
CHECKED	-	DTS		REVISED	-
PLOT SCALE	-	DRAWN	AJB	REVISED	-
DATE	09/18/2020	CHECKED	-	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TOP OF SLAB ELEVATIONS (2 OF 3)
STRUCTURE NO. 099-4666

SHEET 507 OF 542 SHEETS

F.A.I/P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2020-192-B	WILL	299	186
				CONTRACT NO. 62M63
* FAI 55, FAP 338		ILLINOIS	FED. AID PROJECT	

BEAM 7

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
BK. W. ABUT.	8016+44.06	-0.08	623.58	623.58
CL BRG. W. ABUT.	8016+49.29	-0.08	623.66	623.66
1A	8016+59.29	-0.08	623.81	623.88
1B	8016+69.29	-0.08	623.96	624.11
1C	8016+79.29	-0.08	624.11	624.31
1D	8016+89.29	-0.08	624.23	624.48
1E	8016+99.29	-0.08	624.34	624.63
1F	8017+09.29	-0.08	624.42	624.73
1G	8017+19.29	-0.08	624.49	624.81
1H	8017+29.29	-0.08	624.55	624.86
1J	8017+39.29	-0.08	624.58	624.87
1K	8017+49.29	-0.08	624.60	624.86
1L	8017+59.29	-0.08	624.60	624.81
1M	8017+69.29	-0.08	624.58	624.75
1N	8017+79.29	-0.08	624.55	624.66
1P	8017+89.29	-0.08	624.50	624.57
1Q	8017+99.29	-0.08	624.43	624.46
1R	8018+09.29	-0.08	624.34	624.35
CL BRG PIER	8018+16.29	-0.08	624.27	624.27
2A	8018+26.29	-0.08	624.15	624.15
2B	8018+36.29	-0.08	624.01	624.02
2C	8018+46.29	-0.08	623.86	623.89
2D	8018+56.29	-0.08	623.69	623.75
2E	8018+66.29	-0.08	623.50	623.59
2F	8018+76.29	-0.08	623.30	623.41
2G	8018+86.29	-0.08	623.07	623.22
2H	8018+96.29	-0.08	622.83	623.00
2J	8019+06.29	-0.08	622.57	622.75
2K	8019+16.29	-0.08	622.30	622.47
2L	8019+26.29	-0.08	622.00	622.17
2M	8019+36.29	-0.08	621.69	621.83
2N	8019+46.29	-0.08	621.36	621.47
2P	8019+56.29	-0.08	621.01	621.08
CL BRG. E. ABUT.	8019+69.28	-0.07	620.54	620.54
BK. E. ABUT.	8019+74.51	0.01	620.34	620.34

IL RTE 59 NB & PGL

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
BK. W. ABUT.	8016+44.18	0.00	623.58	623.58
CL BRG. W. ABUT.	8016+49.41	0.00	623.66	623.66
1A	8016+59.41	0.00	623.81	623.88
1B	8016+69.41	0.00	623.96	624.11
1C	8016+79.41	0.00	624.11	624.31
1D	8016+89.41	0.00	624.23	624.48
1E	8016+99.41	0.00	624.34	624.63
1F	8017+09.41	0.00	624.42	624.73
1G	8017+19.41	0.00	624.49	624.81
1H	8017+29.41	0.00	624.55	624.86
1J	8017+39.41	0.00	624.58	624.87
1K	8017+49.41	0.00	624.60	624.85
1L	8017+59.41	0.00	624.60	624.81
1M	8017+69.41	0.00	624.58	624.75
1N	8017+79.41	0.00	624.55	624.66
1P	8017+89.41	0.00	624.49	624.57
1Q	8017+99.41	0.00	624.42	624.46
1R	8018+09.41	0.00	624.34	624.35
CL BRG PIER	8018+16.41	0.00	624.26	624.26
2A	8018+26.41	0.00	624.15	624.15
2B	8018+36.41	0.00	624.01	624.02
2C	8018+46.41	0.00	623.86	623.88
2D	8018+56.41	0.00	623.69	623.74
2E	8018+66.41	0.00	623.50	623.58
2F	8018+76.41	0.00	623.29	623.41
2G	8018+86.41	0.00	623.07	623.21
2H	8018+96.41	0.00	622.83	622.99
2J	8019+06.41	0.00	622.57	622.75
2K	8019+16.41	0.00	622.29	622.47
2L	8019+26.41	0.00	622.00	622.16
2M	8019+36.41	0.00	621.68	621.83
2N	8019+46.41	0.00	621.35	621.46
2P	8019+56.41	0.00	621.01	621.07
CL BRG. E. ABUT.	8019+69.38	0.00	620.53	620.53
BK. E. ABUT.	8019+74.50	0.00	620.34	620.34

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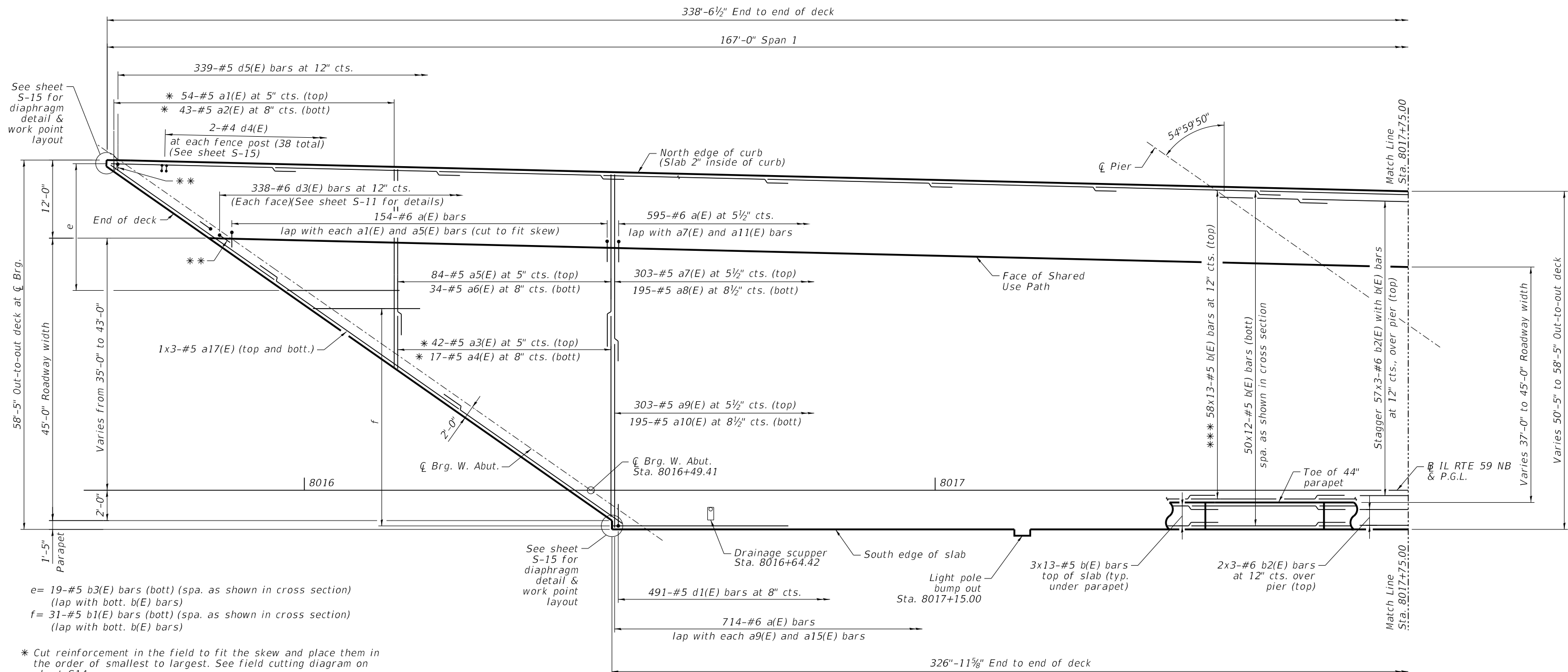
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DATE	09/18/2020	DRAWN	- AJB	REVISED	-
		CHECKED	- DTS	REVISED	-

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TOP OF SLAB ELEVATIONS (3 OF 3)
STRUCTURE NO. 099-4666**

SHEET 508 OF 542 SHEETS

F.A./P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2020-192-B	WILL	299	187
CONTRACT NO. 62M63				
* FAI 55, FAP 338		ILLINOIS		FED. AID PROJECT



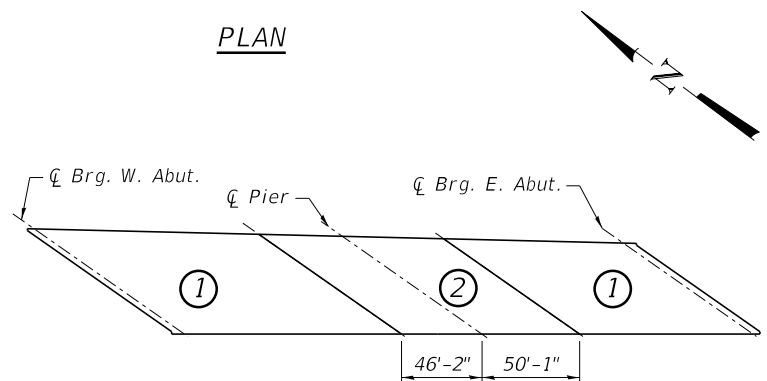
See sheet S-15 for diaphragm detail & work point layout

See sheet S-15 for diaphragm detail & work point layout

e = 19-#5 b3(E) bars (bott) (spa. as shown in cross section) (lap with bott. b(E) bars)
 f = 31-#5 b1(E) bars (bott) (spa. as shown in cross section) (lap with bott. b(E) bars)

- * Cut reinforcement in the field to fit the skew and place them in the order of smallest to largest. See field cutting diagram on sheet S14.
- ** Bend as required to fit in the corner
- *** Bars spaced at 12" at C Brg. W. Abut.
 Bars spaced at 11 1/8" at C Pier
 Bars spaced at 10 3/8" at C Brg. E. Abut.

MINIMUM BAR LAP
 #5 bar = 3'-6"
 #6 bar = 3'-7"



DECK POUR SEQUENCE
 (Pour East Segment 1 first)

- NOTES:**
1. See Sheet S-11 for Deck Cross Section.
 2. See Sheet S-14 for Bill of Materials.
 3. Bars indicated thus "58x13-#5" etc. indicate 58 line of bars with 13 lengths per line.
 4. See Sheet S-17 for Drainage Scupper details.
 5. Transverse reinforcement shall be installed perpendicular to the tangent portion of IL-59.
 6. When the deck pour is stopped for the day at one or more of the transverse bonded construction joints in the deck pouring sequence as shown, the next pour shall not be made until both of the following are met:
 - A) At least 72 hours shall have elapsed from the end of previous pour.
 - B) The concrete strength shall have attained a minimum flexural strength of 650 psi or a minimum compressive strength of 3,500 psi.
 7. Hand Finishing is allowed for finishing the structural slab under the Shared Use Path.

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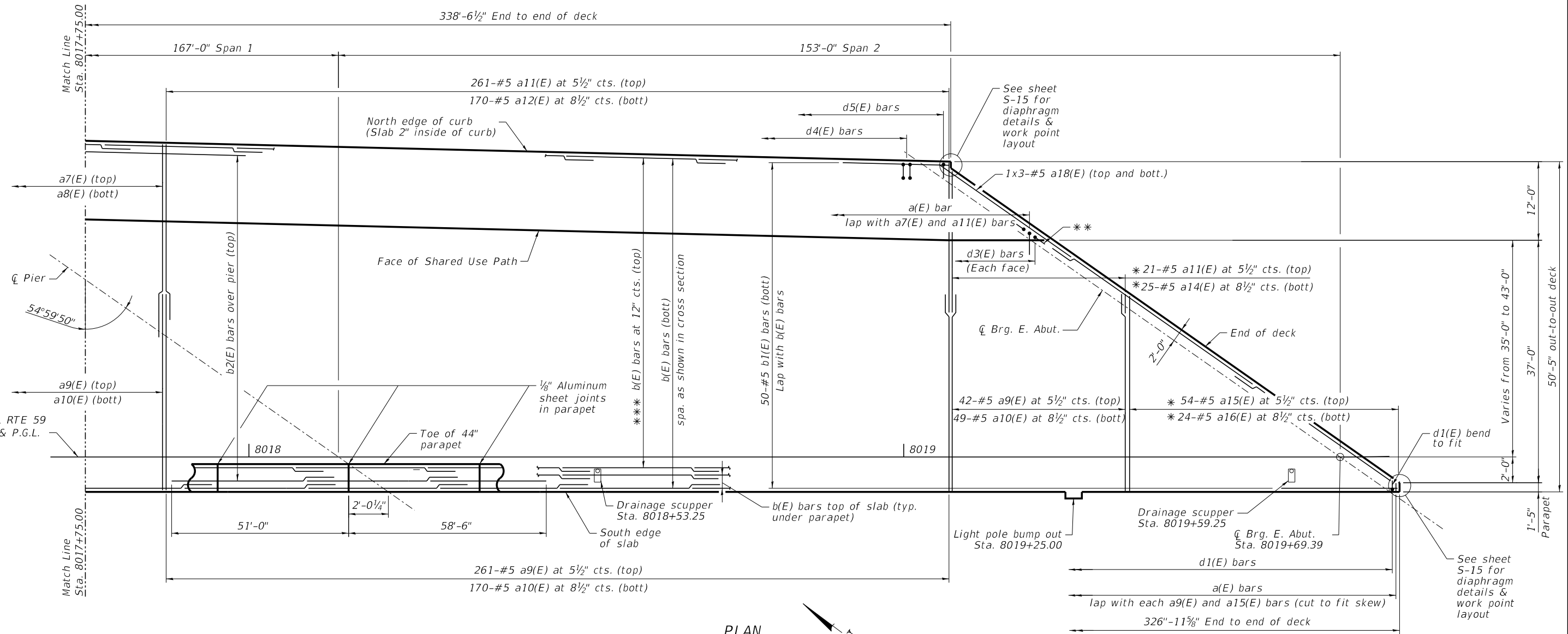


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PLOT SCALE	-	DRAWN	AJB	REVISIONS	-
DATE	09/18/2020	CHECKED	DTS	REVISIONS	-

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

DECK REINFORCEMENT PLAN - SPAN 1
STRUCTURE NO. 099-4666

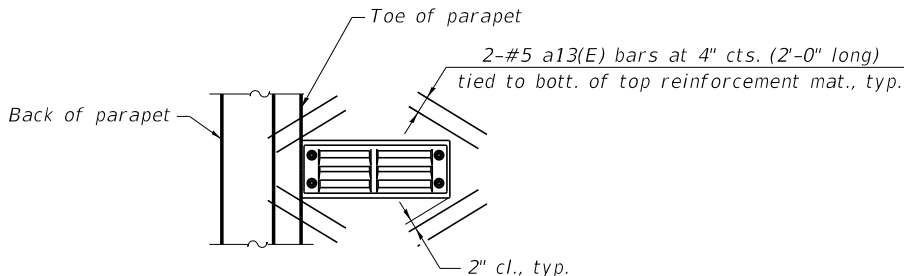
F.A.I.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2020-192-B	WILL	299	188
CONTRACT NO. 62M63				



PLAN

* Cut reinforcement in the field to fit the skew and place them in the order of smallest to largest. See field cutting diagram on sheet S14.

** Bend as required to fit in corner
 *** Bars spaced at 12" at \bar{C} Brg. W. Abut.
 Bars spaced at 11 1/8" at \bar{C} Pier
 Bars spaced at 10 3/8" at \bar{C} Brg. E. Abut.



DRAINAGE SCUPPER REINFORCEMENT DETAIL

Note: Cut longitudinal reinforcement to clear drainage scuppers.

MINIMUM BAR LAP

#5 bar = 3'-6"
 #6 bar = 3'-7"

NOTES:

1. See Sheet S-11 for Deck Cross Section.
2. See Sheet S-14 for Bill of Materials.
3. Bars indicated thus "58x13-#5" etc. indicate 58 line of bars with 13 lengths per line.
4. See Sheet S-17 for Drainage Scupper details.
5. Transverse reinforcement shall be installed perpendicular to the tangent portion of \bar{C} IL-59.
6. When the deck pour is stopped for the day at one or more of the transverse bonded construction joints in the deck pouring sequence as shown, the next pour shall not be made until both of the following are met:
 - A) At least 72 hours shall have elapsed from the end of previous pour.
 - B) The concrete strength shall have attained a minimum flexural strength of 650 psi or a minimum compressive strength of 3,500 psi.
7. Hand Finishing is allowed for finishing the structural slab under the Shared Use Path.

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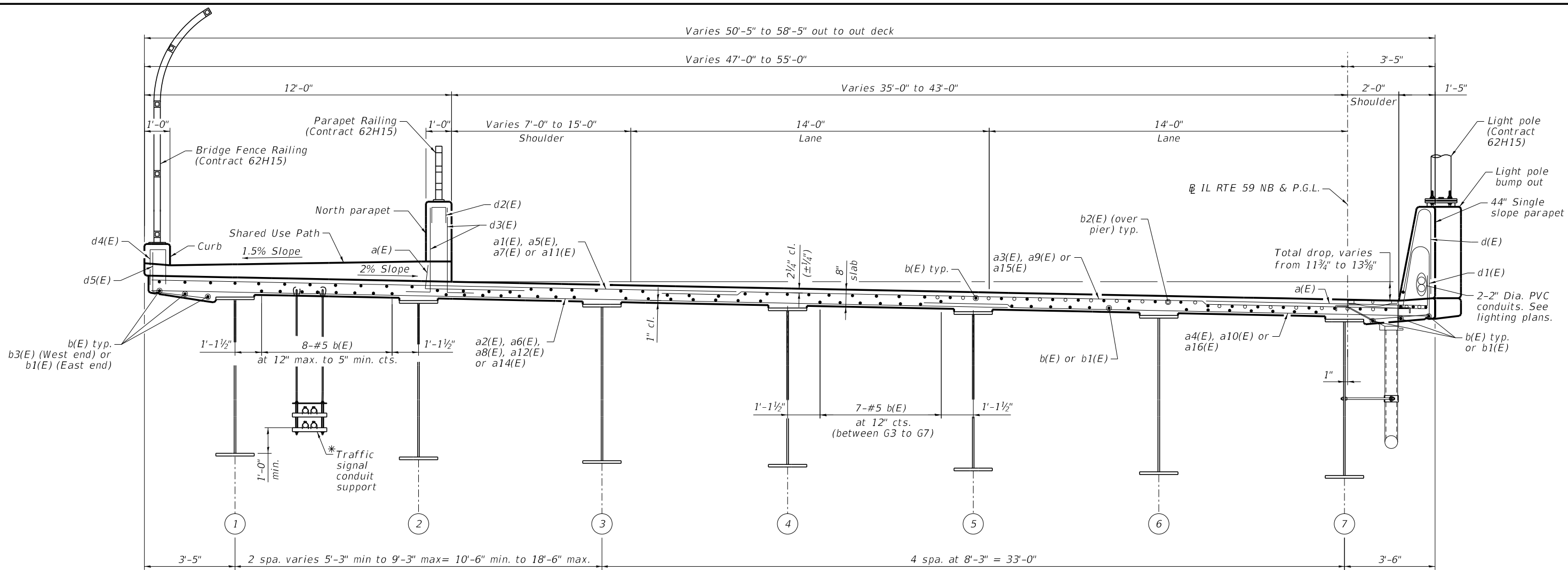
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CHECKED	- DTS	REVISIONS	-	REVISIONS	-
PLOT SCALE	-	DRAWN	- AJB	REVISIONS	-
DATE	09/18/2020	CHECKED	- DTS	REVISED	-

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**DECK REINFORCEMENT PLAN - SPAN 2
 STRUCTURE NO. 099-4666**

SHEET 110 OF 142 SHEETS

F.A.I.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-	2020-192-B	WILL	299	189
CONTRACT NO. 62M63				
FAI 55, FAP 338		ILLINOIS		FED. AID PROJECT



* Cost included with conduit attached to structure. See Traffic Signal Plans. Space to miss steel cross frames.

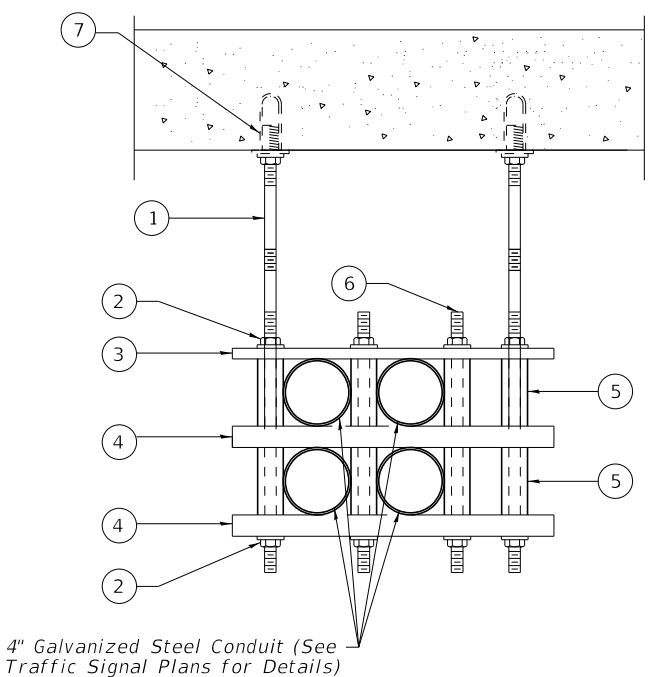
CONDUIT HANGER NOTES

1. Conduit shall be supported at a maximum interval of 5' and within 2'-6" of any junction box, coupling/fitting or change in direction.
2. All hardware shall be stainless steel in accordance with article 1006.31 of the standard specifications.
3. The electrical contractor shall coordinate the location of the concrete inserts with the bridge contractor.
4. The cost of the concrete inserts and hangers shall be included in the cost of conduit attached to structure (See Traffic Signal Plans).
5. Conduit shall not come into contact with any bracing or other structural members.
6. Provide 1" minimum clearance to all structural members.
7. Split stop ring and brace shall be in accordance with fiberglass conduit manufacturer's requirements.

MIDSPAN

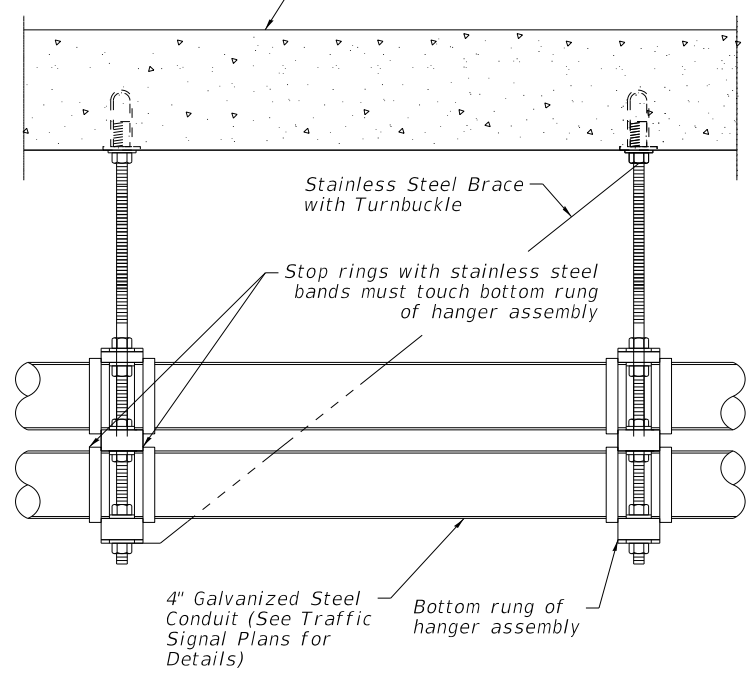
CROSS SECTION
(Looking East)

NEAR PIER



4" Galvanized Steel Conduit (See Traffic Signal Plans for Details)

HANGER SECTION VIEW



4" Galvanized Steel Conduit (See Traffic Signal Plans for Details)

TYPICAL SPLIT STOP RING INSTALLATION

CONDUIT/HANGER LEGEND

- ① 3/4" stainless steel threaded rod
- ② 3/4" stainless steel hex nut, stainless steel flat washer and stainless steel lock washer, typ.
- ③ 1/2" x 2" x 2'-6" fiberglass flat bar (level)
- ④ 1/4" x 2" x 2'-6" fiberglass square tube (level)
- ⑤ 1" fiberglass round tube 9" long
- ⑥ 3/4" stainless steel threaded rod 2'-6" long
- ⑦ 1000 lbs. minimum capacity stainless steel concrete inserts cast in deck for 3/4" threaded rods

Above sizes/lengths shall be verified by contractor to ensure proper conduit fit before ordering material.

MODEL: D:\ref\aut\1\benesch\p\benesch\combenesch\p-01\Documents\107209\10748\00\Eng_Docs_Adr_Constr\Structures\107209\10748\00\Deck-002.dgn



USER NAME	ksnlider	DESIGNED	- EAO	REVISED	-
		CHECKED	- DTS	REVISED	-
PLOT SCALE	-	DRAWN	- AJB	REVISED	-
DATE	09/18/2020	CHECKED	- DTS	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

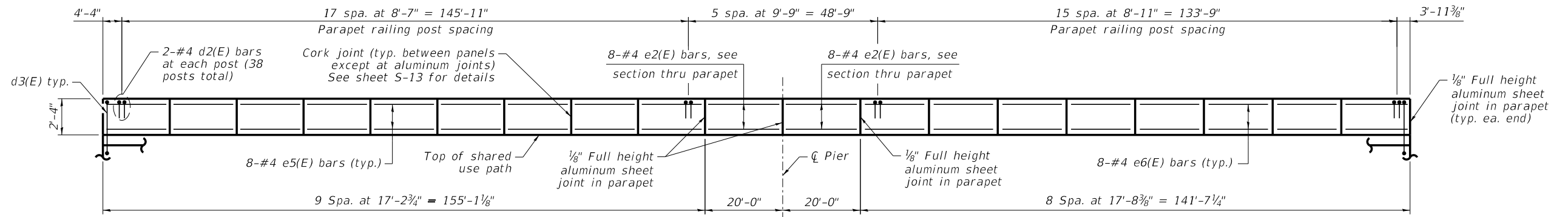
DECK CROSS SECTION
STRUCTURE NO. 099-4666

SHEET S11 OF S42 SHEETS

F.A.I.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-	2020-192-B	WILL	299	190
CONTRACT NO. 62M63				
FAI 55, FAP 338 ILLINOIS FED. AID PROJECT				

MINIMUM BAR LAP

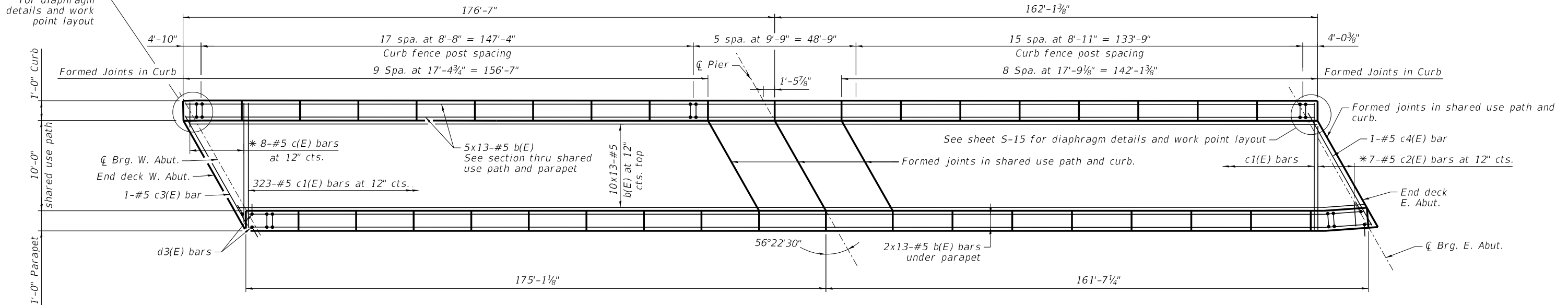
#4 bar = 2'-5"
#5 bar = 3'-6"



INSIDE ELEVATION OF NORTH PARAPET
Dimensions along roadway face of parapet

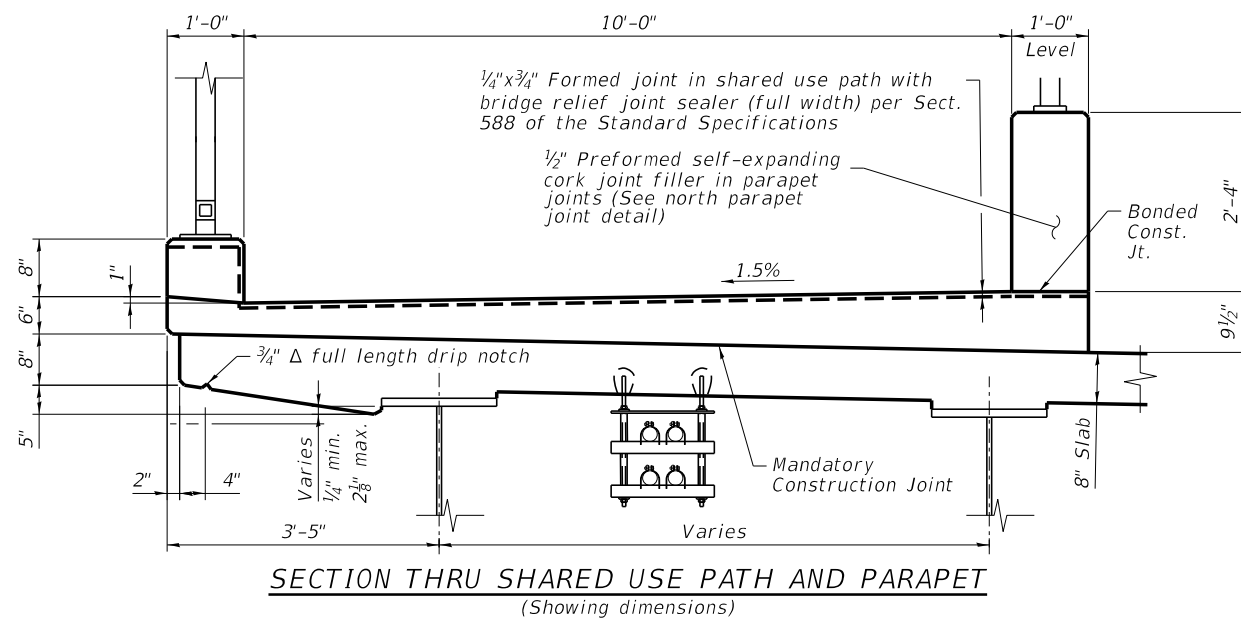
POST SPACING NOTE:
Parapet railing and curb fence post spacing is for information only. Railing and fence to be furnished and installed in Contract 62H15. Space parapet and curb reinforcement bars to miss future drilled and set anchor rods shown on Sheet S16.

See sheet S-15 for diaphragm details and work point layout

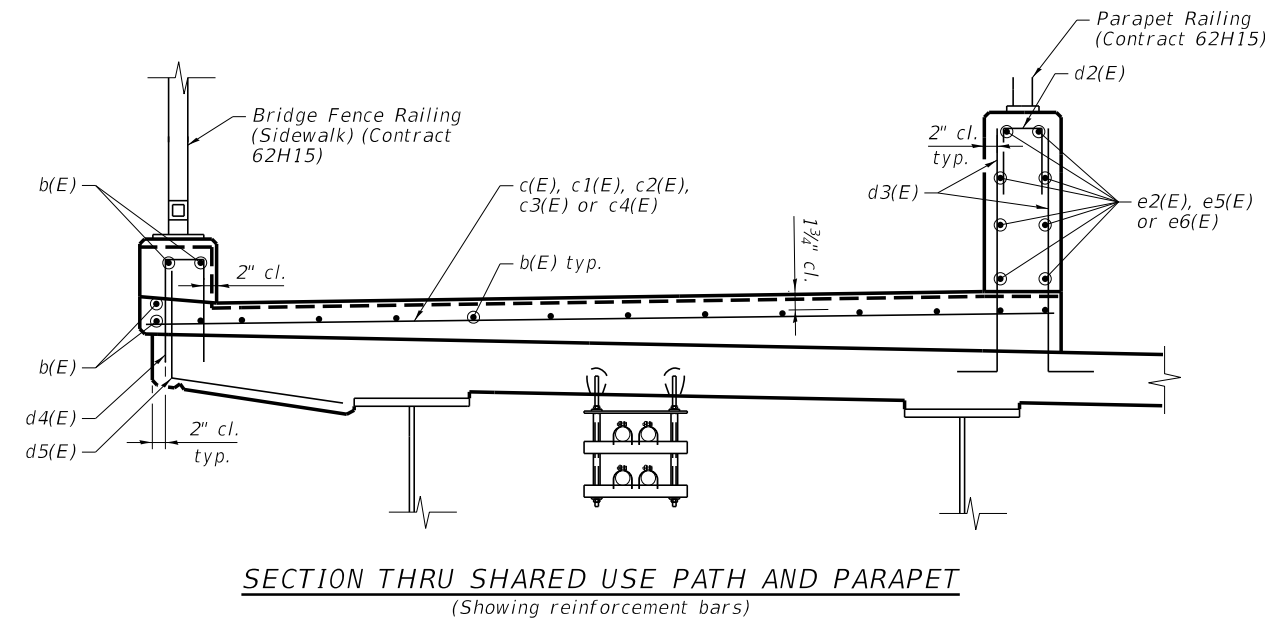


* Cut reinforcement in the field to fit the skew and place them in the order of smallest to largest. See field cutting diagram.

SHARED USE PATH - PLAN
(Shown Parallel with North Edge of Deck)



SECTION THRU SHARED USE PATH AND PARAPET
(Showing dimensions)



SECTION THRU SHARED USE PATH AND PARAPET
(Showing reinforcement bars)

NOTES:

1. Sheet sheet S-16 for Bridge Fence Railing (Sidewalk) and Parapet Railing Mounted Details.
2. See Sheet S-13 for North Parapet Joint Details.

MODEL: D:\Def\aut...
FILE: \bene\proj\benesch\p\benesch\107709\10748\00\Eng_Docs_Adv\Cont\Structures\1072M63-ADV-ash-4666-S12-parapet-001.dgn



USER NAME	kkenny	DESIGNED	- EAO	REVISED	-
PLOT SCALE	-	CHECKED	- DTS	REVISED	-
DATE	10/05/2020	DRAWN	- AJB	REVISED	-
		CHECKED	- DTS	REVISED	-

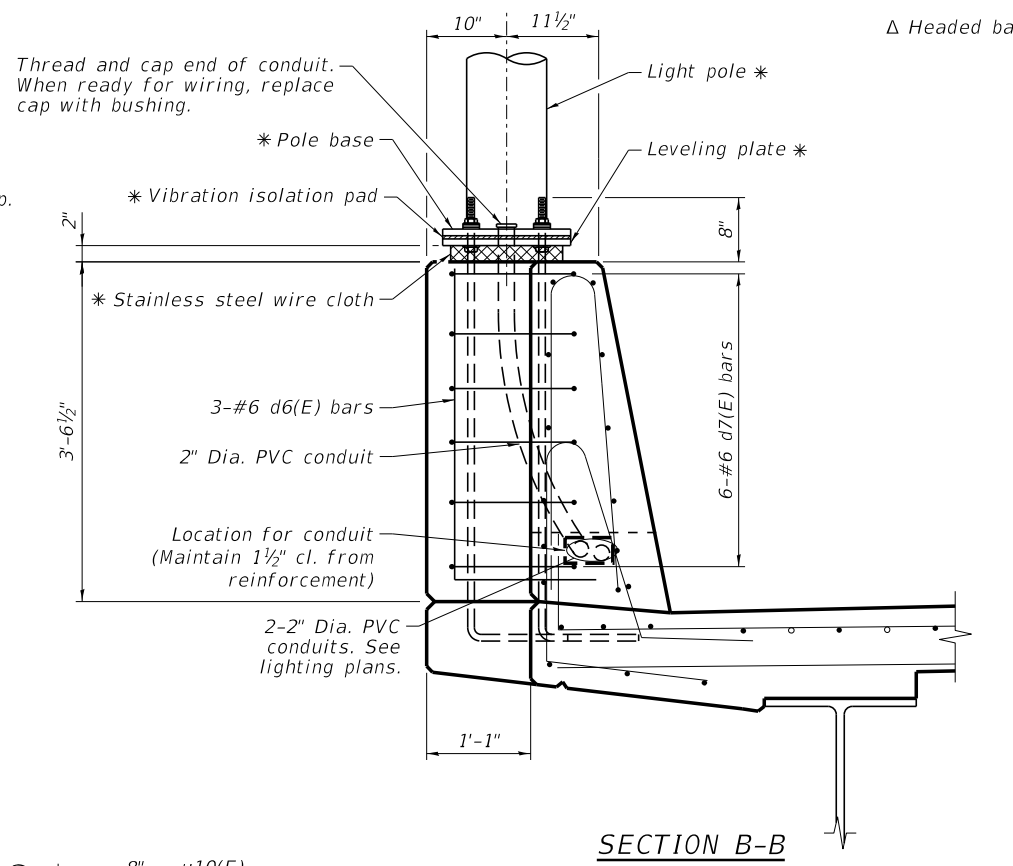
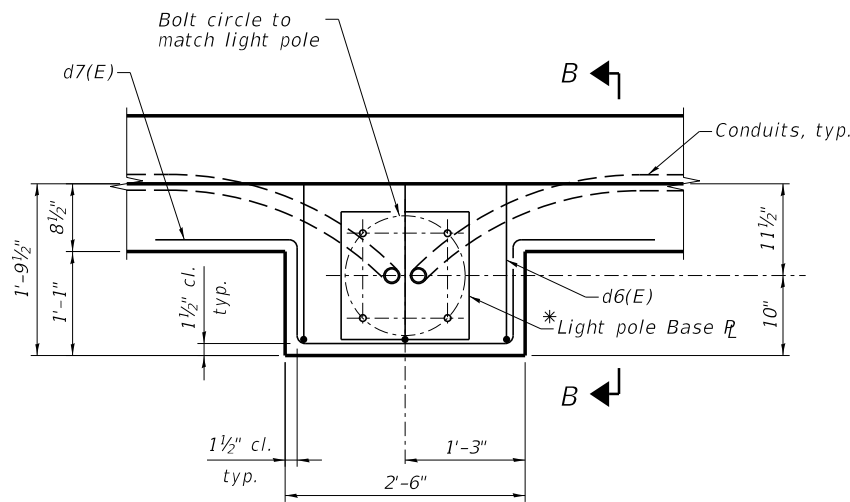
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SHARED USE PATH AND PARAPET DETAILS
STRUCTURE NO. 099-4666

SHEET S12 OF S42 SHEETS

F.A.I.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-	2020-192-B	WILL	299	191
CONTRACT NO. 62M63				
FAI 55, FAP 338 ILLINOIS FED. AID PROJECT				

* For information only. To be included in Contract 62H15

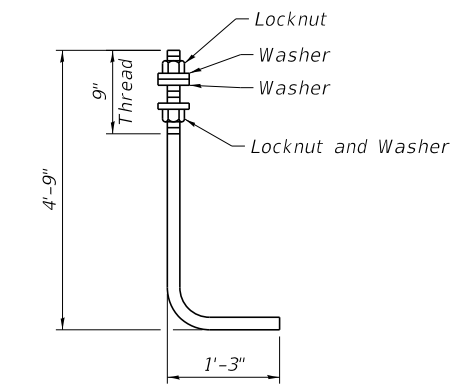
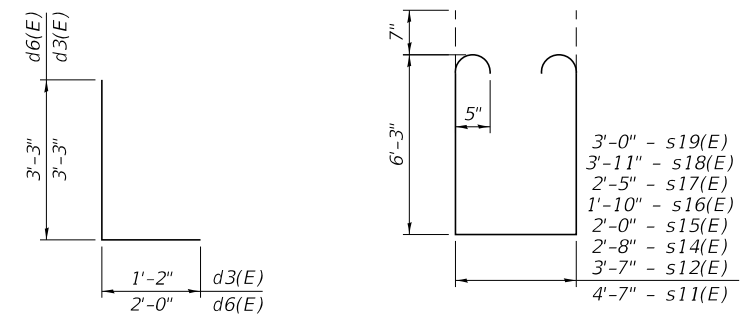
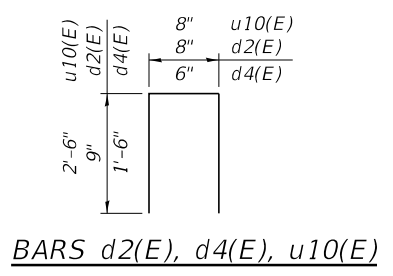
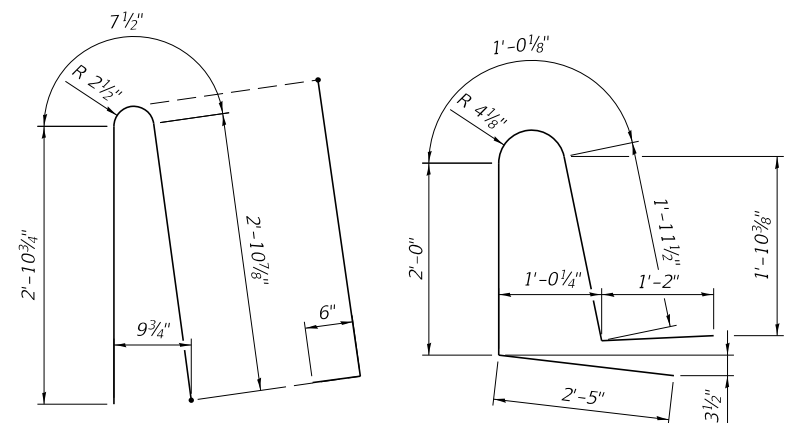


BILL OF MATERIAL

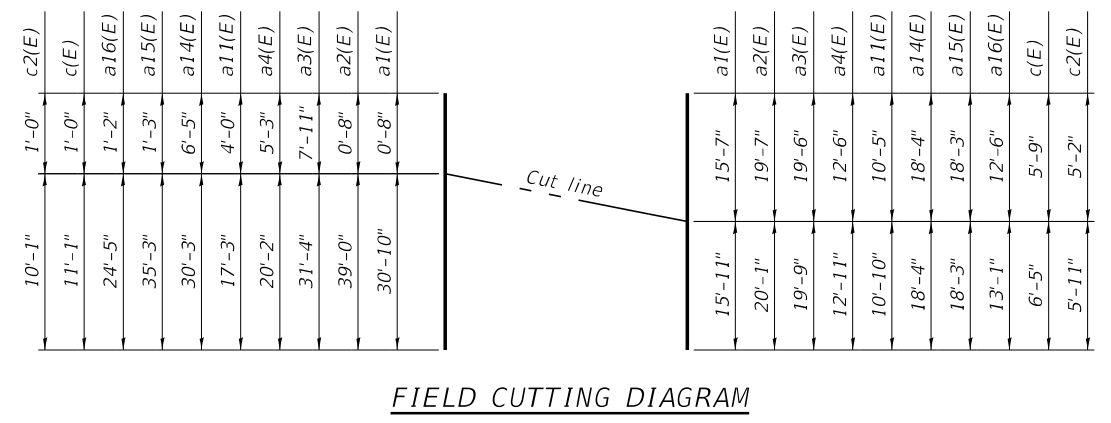
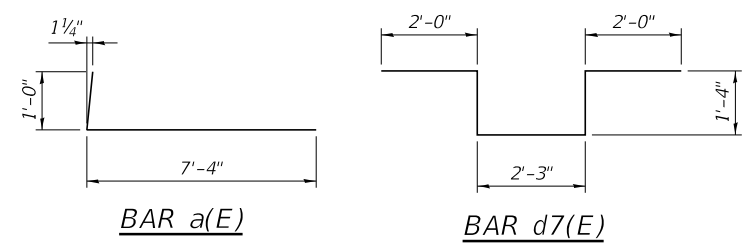
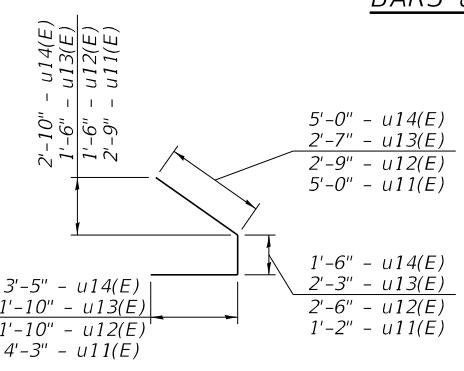
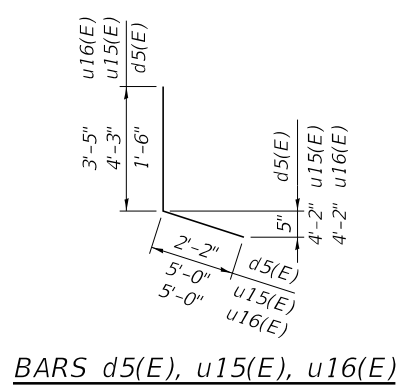
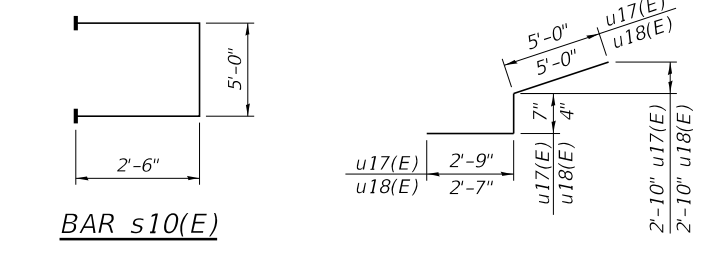
Bar	No.	Size	Length	Shape
m11(E)	16	#6	13'-7"	▬
m12(E)	4	#6	15'-6"	▬
m13(E)	2	#6	5'-6"	▬
m14(E)	1	#6	1'-8"	▬
m15(E)	1	#6	2'-7"	▬
m16(E)	4	#6	8'-4"	▬
m17(E)	1	#6	2'-0"	▬
m18(E)	1	#6	3'-0"	▬
m19(E)	2	#6	5'-5"	▬
m21(E)	48	#6	13'-7"	▬
m22(E)	12	#6	15'-6"	▬
m23(E)	6	#6	5'-6"	▬
m24(E)	6	#6	1'-8"	▬
m26(E)	12	#6	8'-4"	▬
m27(E)	6	#6	2'-0"	▬
m29(E)	6	#6	5'-5"	▬
m30(E)	30	#6	37'-3"	▬
m31(E)	30	#6	33'-0"	▬
m32(E)	6	#4	30'-6"	▬
m33(E)	6	#4	35'-6"	▬
u11(E)	6	#4	10'-5"	┘
u12(E)	6	#4	7'-1"	┘
u13(E)	6	#4	6'-8"	┘
u14(E)	6	#4	9'-11"	┘
u15(E)	6	#4	9'-3"	┘
u16(E)	6	#4	8'-5"	┘
u17(E)	6	#4	8'-4"	┘
u18(E)	6	#4	7'-11"	┘

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)	1463	#6	8'-4"	▬
a1(E)	54	#5	31'-6"	▬
a2(E)	43	#5	39'-8"	▬
a3(E)	42	#5	39'-3"	▬
a4(E)	17	#5	25'-5"	▬
a5(E)	84	#5	26'-8"	▬
a6(E)	34	#5	37'-8"	▬
a7(E)	303	#5	24'-7"	▬
a8(E)	195	#5	37'-9"	▬
a9(E)	606	#5	35'-1"	▬
a10(E)	414	#5	22'-1"	▬
a11(E)	282	#5	21'-3"	▬
a12(E)	170	#5	34'-4"	▬
a13(E)	24	#5	2'-0"	▬
a14(E)	25	#5	36'-8"	▬
a15(E)	54	#5	36'-6"	▬
a16(E)	24	#5	25'-7"	▬
a17(E)	6	#5	35'-8"	▬
a18(E)	6	#5	30'-9"	▬
a19(E)	32	#5	4'-0"	▬
b(E)	1614	#5	29'-4"	▬
b1(E)	81	#5	10'-6"	▬
b2(E)	177	#6	38'-3"	▬
b3(E)	19	#5	22'-0"	▬
c(E)	8	#5	12'-1"	▬
c1(E)	323	#5	11'-8"	▬
c2(E)	7	#5	11'-1"	▬
c3(E)	1	#5	19'-9"	▬
c4(E)	1	#5	20'-4"	▬
d(E)	491	#5	7'-0"	┘
d1(E)	491	#5	8'-7"	┘
d2(E)	76	#4	2'-2"	┘
d3(E)	676	#6	4'-5"	┘
d4(E)	76	#4	3'-6"	┘
d5(E)	339	#5	3'-8"	┘
d6(E)	6	#6	5'-3"	┘
d7(E)	12	#6	8'-11"	┘
e(E)	64	#4	18'-6"	▬
e1(E)	24	#4	27'-2"	▬
e2(E)	40	#4	19'-8"	▬
e3(E)	56	#4	19'-2"	▬
e4(E)	20	#4	29'-3"	▬
e5(E)	72	#4	16'-11"	▬
e6(E)	64	#4	17'-4"	▬
s10(E)	94	#5	10'-0"	┘
s11(E)	87	#5	18'-3"	┘
s12(E)	1	#5	17'-3"	┘
s14(E)	1	#5	16'-4"	┘
s15(E)	1	#5	15'-8"	┘
s16(E)	1	#5	15'-6"	┘
s17(E)	1	#5	16'-1"	┘
s18(E)	1	#5	17'-7"	┘
s19(E)	1	#5	16'-8"	┘
Concrete Superstructure	Cu. Yd.		814.2	
Reinforcement Bars, Epoxy Coated	Pound		184,030	



Diameter as specified for light poles.
(ASTM F 1554 Grade 105) Full length hot dipped galvanized
(Cost of anchor rod included with "Concrete Superstructure".)



- NOTES:**
- Bars indicated thus "58x13-#5" etc. indicate 58 line of bars with 13 lengths per line.
 - Headed bars shall conform to ASTM A970 with threaded attachment; Class HA; and reinforcement bars conforming to ASTM A706. Cost included with Reinforcement Bars, Epoxy Coated.

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USER NAME	ksnlider	DESIGNED	- EAO	REVISED	-
PLOT SCALE		CHECKED	- DTS	REVISED	-
DATE	09/18/2020	DRAWN	- AJB	REVISED	-
		CHECKED	- DTS	REVISED	-

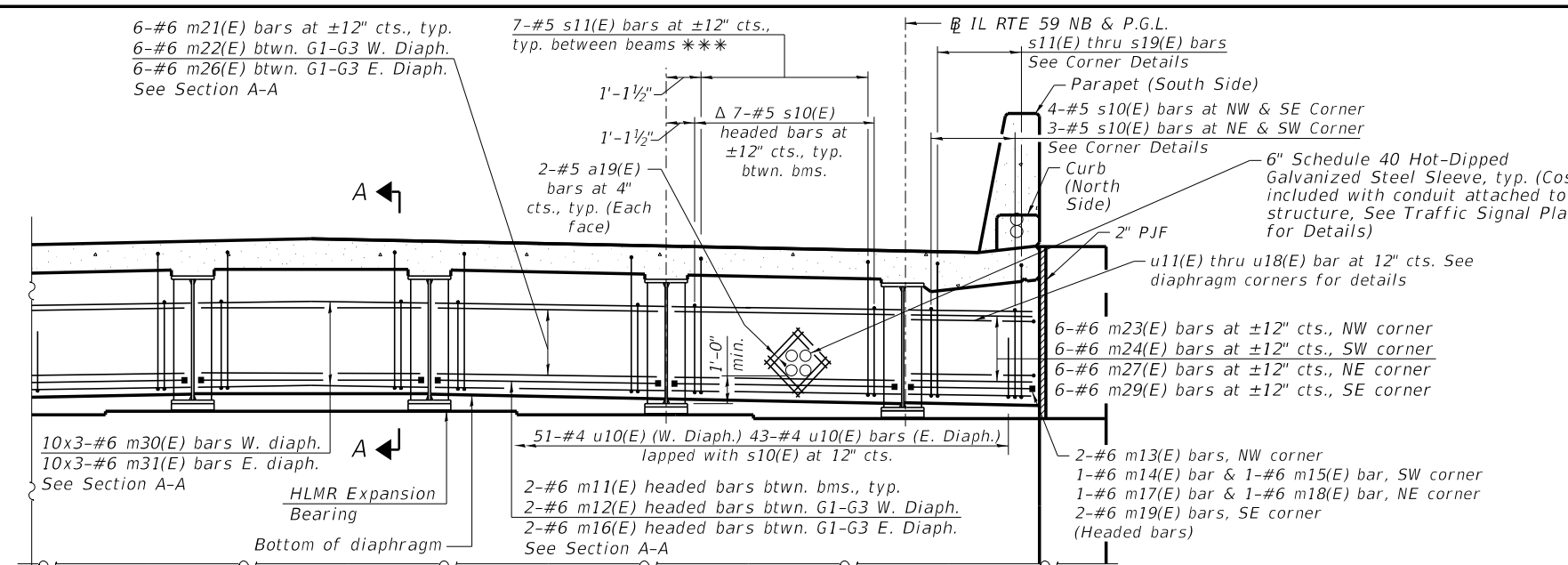
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE DETAILS
STRUCTURE NO. 099-4666

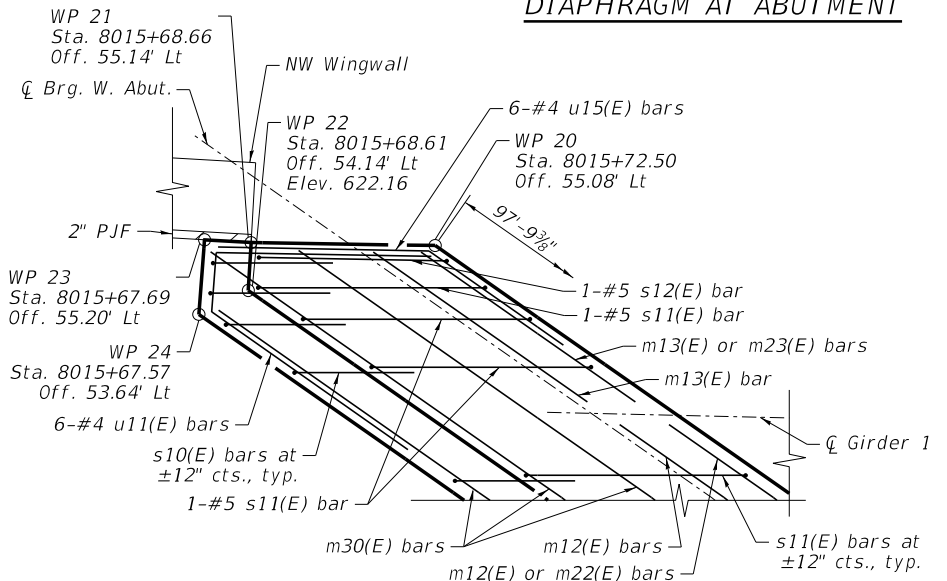
SHEET S14 OF S42 SHEETS

F.A.I.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2020-192-B	WILL	299	193
CONTRACT NO. 62M63				

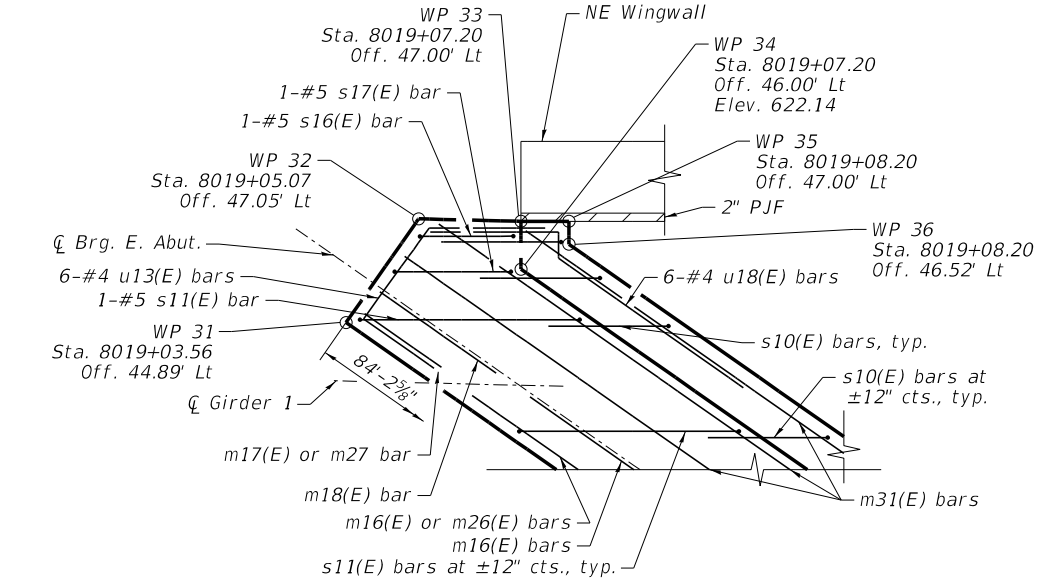
* FAI 55, FAP 338 ILLINOIS FED. AID PROJECT



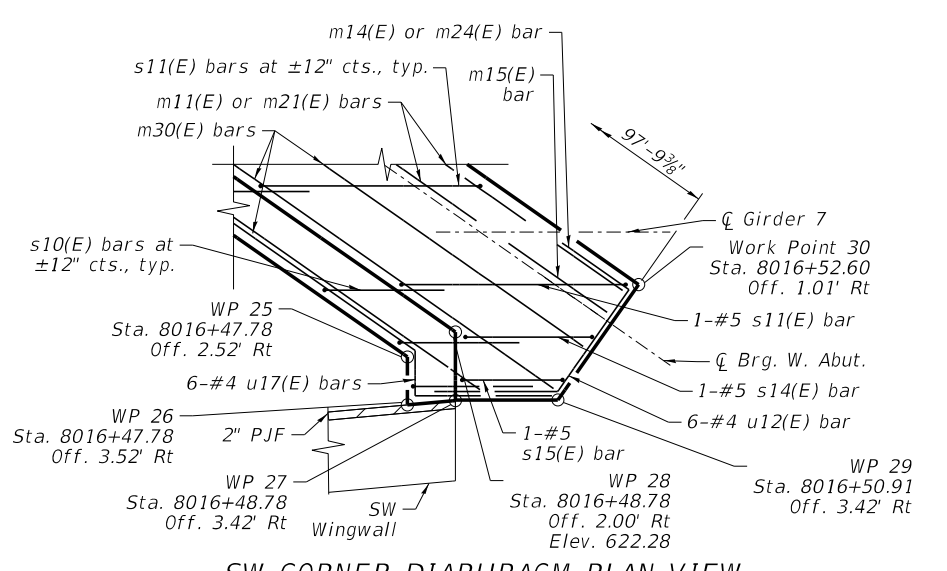
DIAPHRAGM AT ABUTMENT



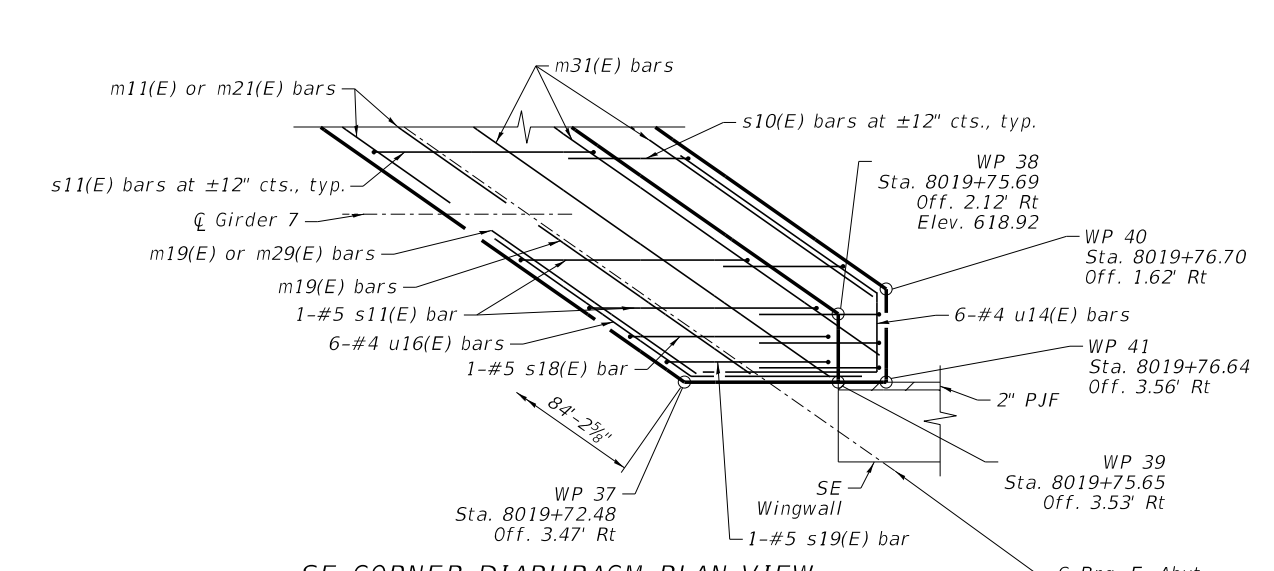
NW CORNER DIAPHRAGM PLAN VIEW



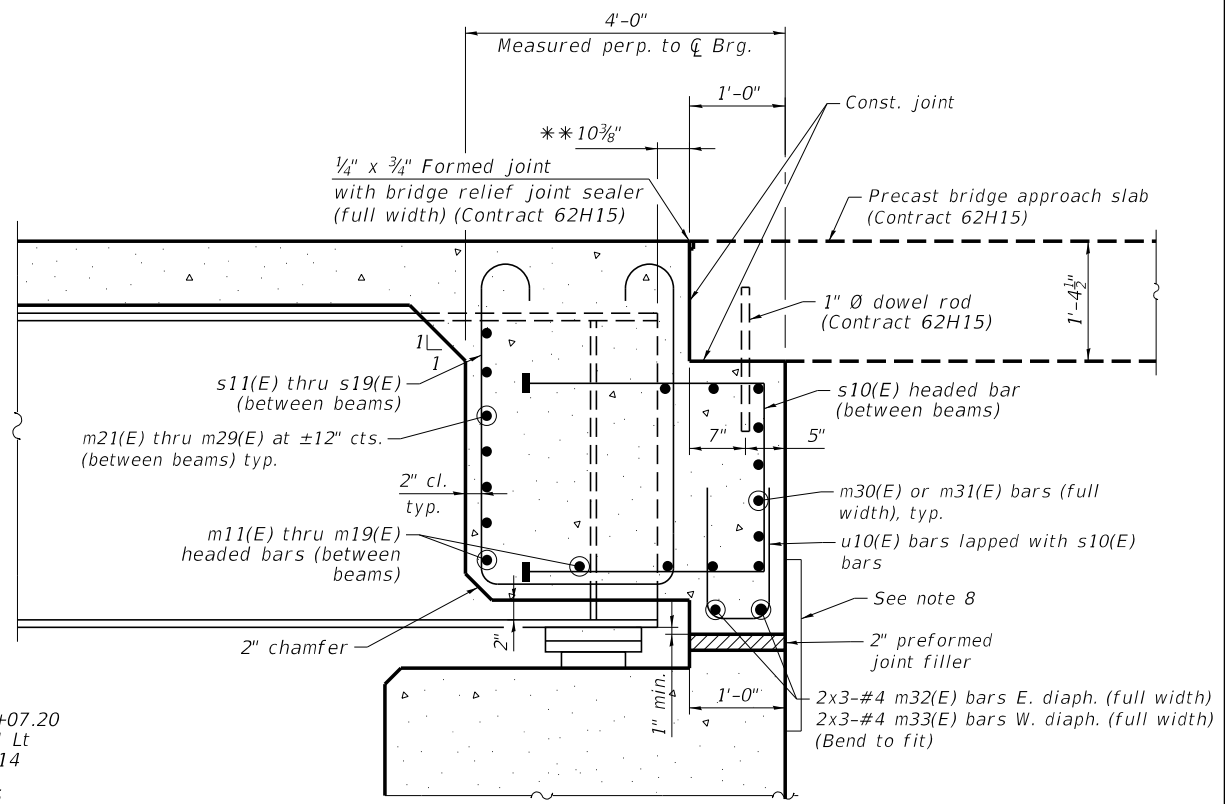
NE CORNER DIAPHRAGM PLAN VIEW



SW CORNER DIAPHRAGM PLAN VIEW



SE CORNER DIAPHRAGM PLAN VIEW



SECTION A-A

- ** Measured perpendicular from face of construction joint to the edge of flange
- *** 8-#5 s11(E) bars at ±12" cts., btwn. G1-G3 W. Diaph.
- 4-#5 s11(E) bars at ±12" cts., btwn. G1-G3 E. Diaph.
- Δ 8-#5 s10(E) bars at ±12" cts., btwn. G1-G3 W. Diaph.
- 4-#5 s10(E) bars at ±12" cts., btwn. G1-G3 E. Diaph.

MINIMUM BAR LAP

- #6 bar = 5'-0"
- #4 bar = 2'-5"

NOTES:

1. Reinforcement bars in diaphragm are billed with superstructure on sheet S-14.
2. Concrete in diaphragm is included with Concrete Superstructure on sheet S-14.
3. For details of bars s10(E) thru s19(E) bars sheet S-14.
4. The s10(E) thru s19(E) bars shall be placed parallel to the beams. Spacing for these bars shall be at right angles to the beams.
5. The approach slab seat shall have a constant slope determined from the elev. at work points 22, 28, 34 & 38.
6. For bearing details see sheets S-23 & S-24.
7. Beams shall be braced at fascia beams for stability during erection and remain braced until deck is poured and cured.
8. See sheet S-3 for fabric reinforced elastomeric mat details on back face of diaphragm.
9. 2" PJF (per Article 1051.09 of the Standard Specifications) bonded to abutment cap and wingwall with suitable adhesive as recommended by supplier.

MODEL: D:\Def\aut\1
 FILE: \\benesch-pub\benesch\p-81\Documents\107209-10740-00-Eng-Docs-Adv-Cont\Structures\107209-10740-00-Adv-Cont\107209-10740-00-Adv-Cont\Diaphragm.dgn
 3/11/2020 10:45:55 AM



USER NAME	kkenny	DESIGNED	- EAO	REVISED	-
PLOT SCALE		CHECKED	- DTS	REVISED	-
DATE	09/18/2020	DRAWN	- AJB	REVISED	-
		CHECKED	- DTS	REVISED	-

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

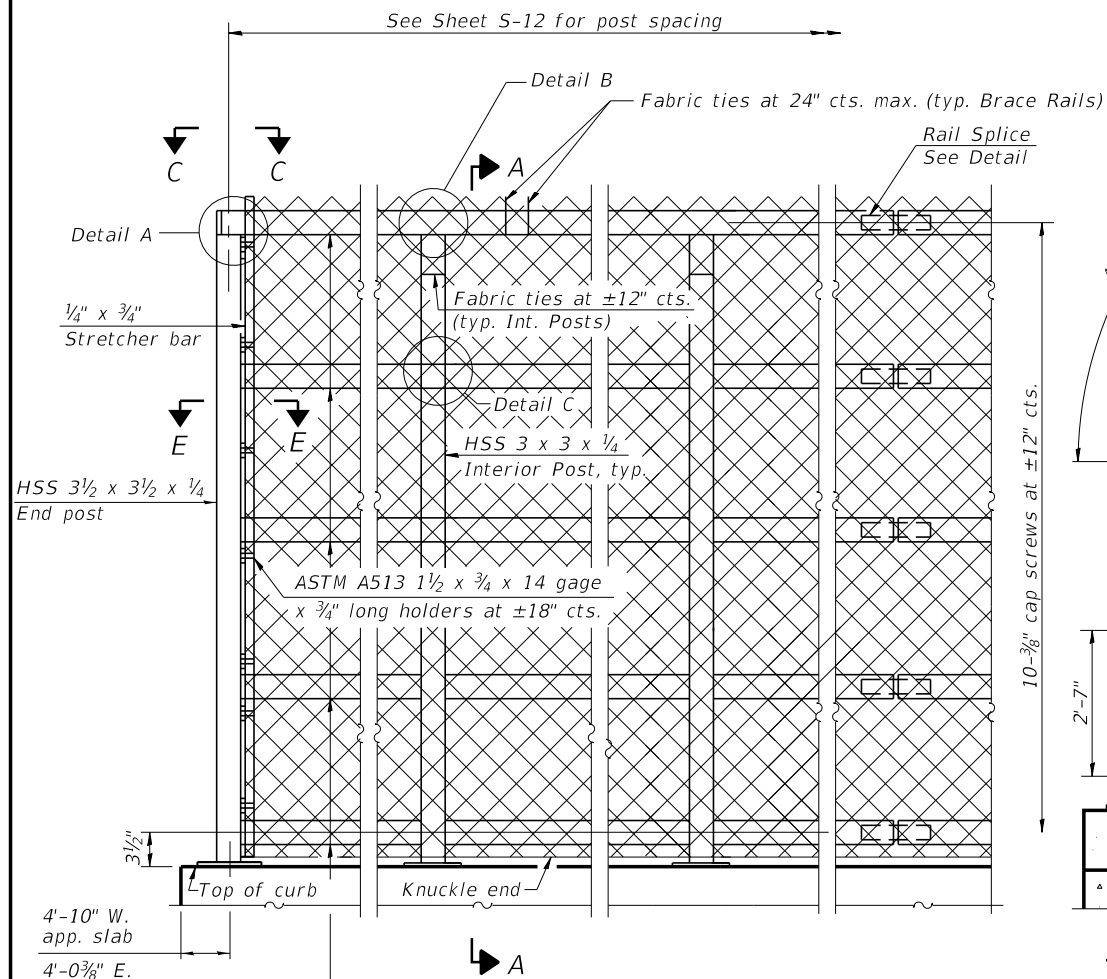
**DIAPHRAGM DETAILS
STRUCTURE NO. 099-4666**

SHEET S15 OF S42 SHEETS

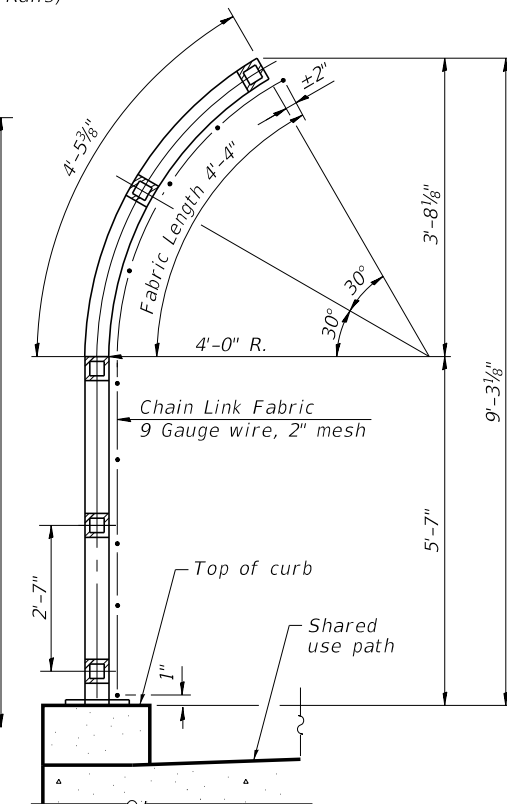
F.A.I.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2020-192-B	WILL	299	194
CONTRACT NO. 62M63				
FAI 55, FAP 338		ILLINOIS		FED. AID PROJECT

NOTES:

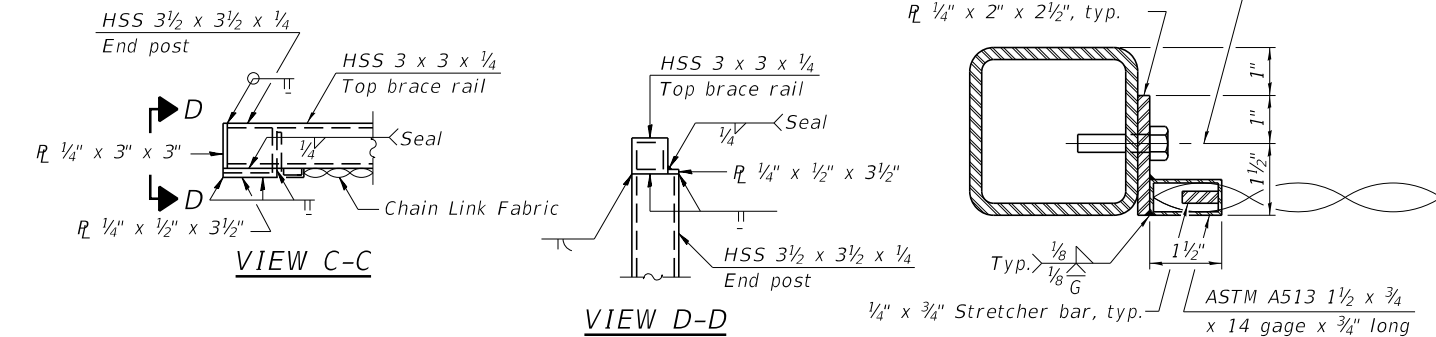
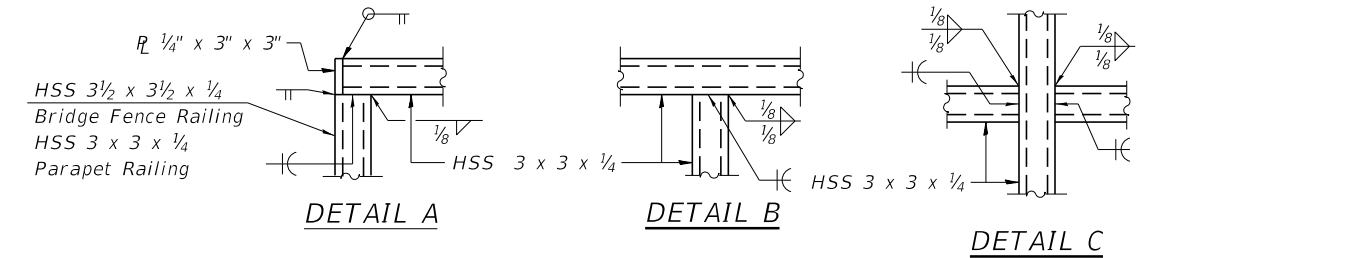
1. All steel rail elements shall be galvanized according to Article 509.05 of the Standard Specifications.
2. All structural steel tubing, post and railing, for parapet railing shall be CVN tested according to 1006.34(b) of the Standard Specifications.
3. CVN testing may be omitted for bridge Fence Railing.



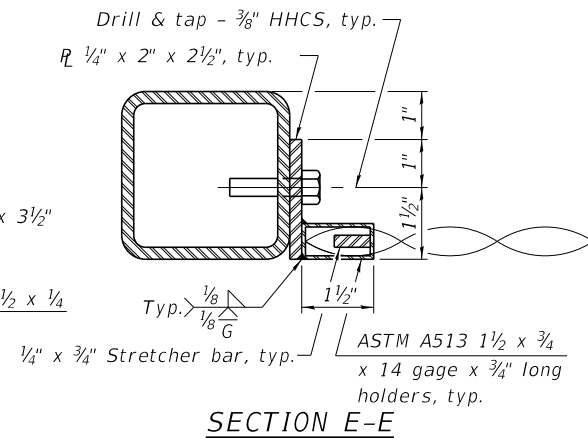
ELEVATION
(Inside Face)



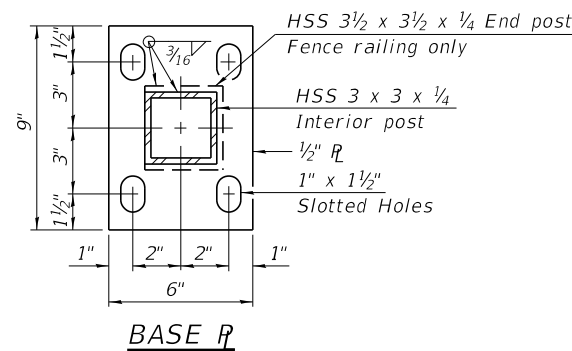
SECTION A-A



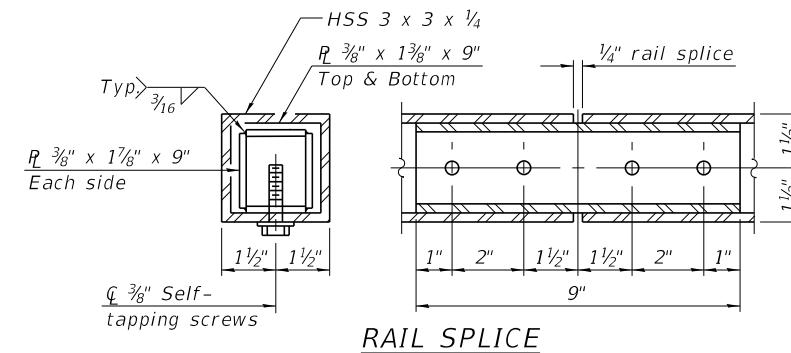
VIEW D-D



SECTION E-E

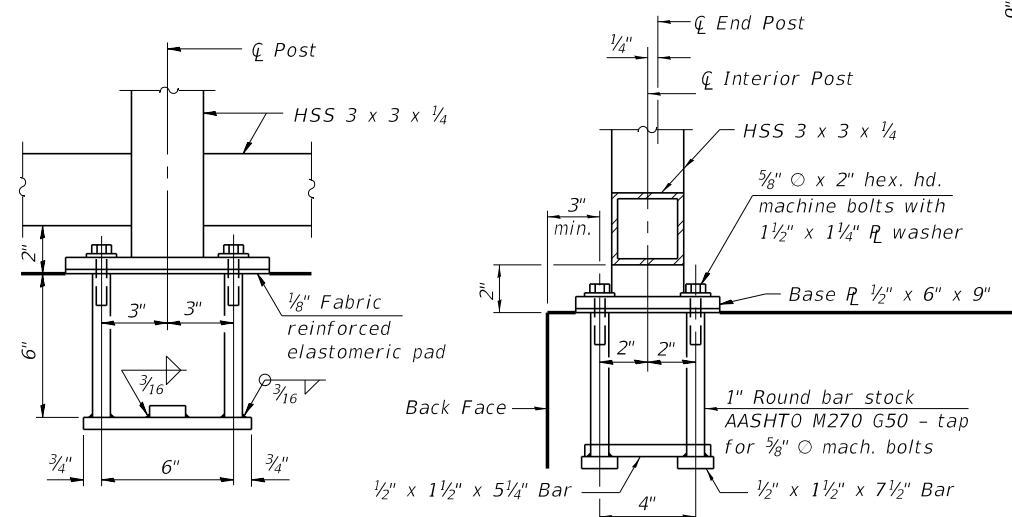


BASE R



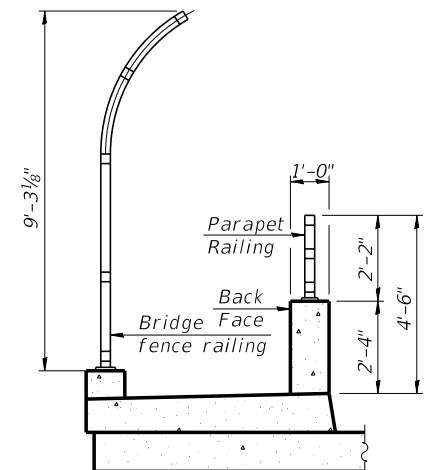
RAIL SPLICE

For information only - bridge fence railing (sidewalk) and parapet railing to be furnished and installed in Contract 62H15.

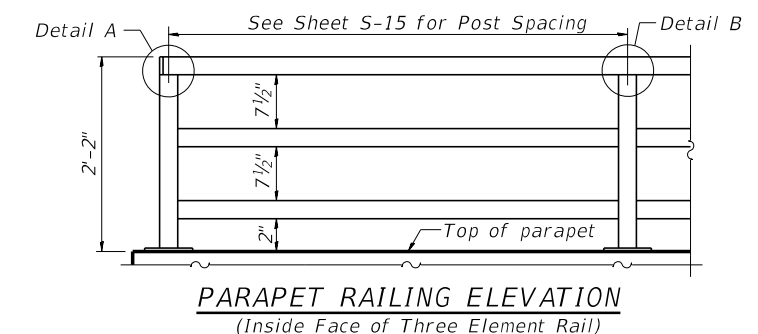


ANCHOR BOLT DETAILS

In lieu of the cast-in-place anchor device shown, the Contractor shall drill and set 5/8\"/>



SECTION THRU SHARED USE PATH



PARAPET RAILING ELEVATION
(Inside Face of Three Element Rail)

MODEL: D:\Def\aut... FILE: \BeneSch\p\ben\cl\com\benesch.p... \B1\Documents\107209\10748\00\Eng_Docs_Adv_Contr\Structures\107209\10748\00\10748-00-1-4666-516-fences.dgn



USER NAME	ksnlider	DESIGNED	- EAO	REVISED	-
CHECKED	- DTS	REVISIONS	-	REVISIONS	-
PLOT SCALE	-	DRAWN	- AJB	REVISIONS	-
DATE	09/18/2020	CHECKED	- DTS	REVISIONS	-

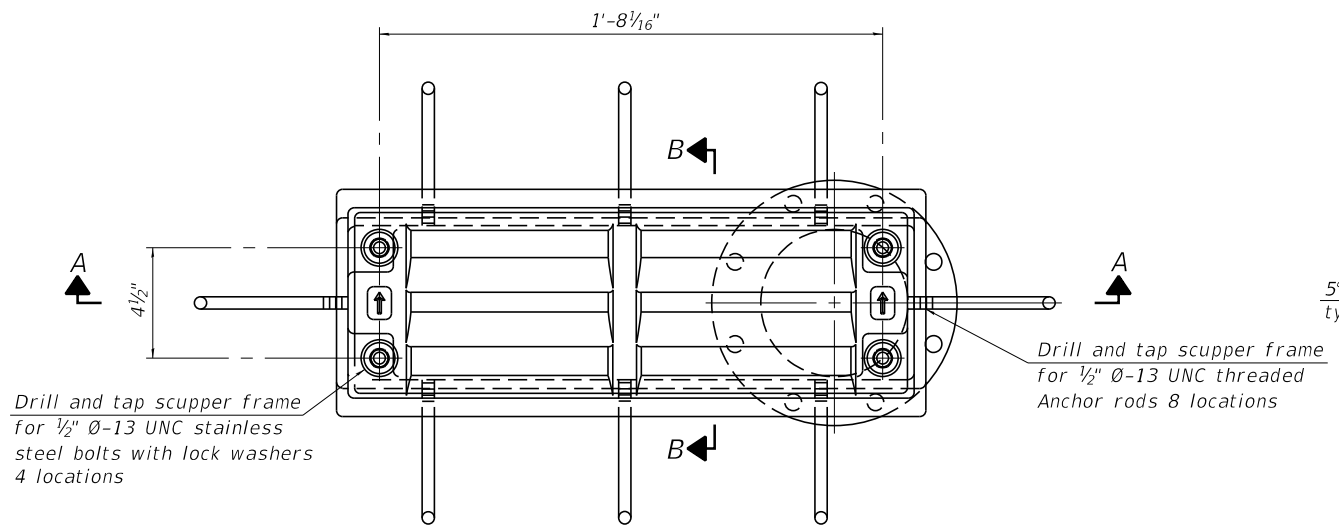
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRIDGE RAILING AND FENCING DETAILS
STRUCTURE NO. 099-4666

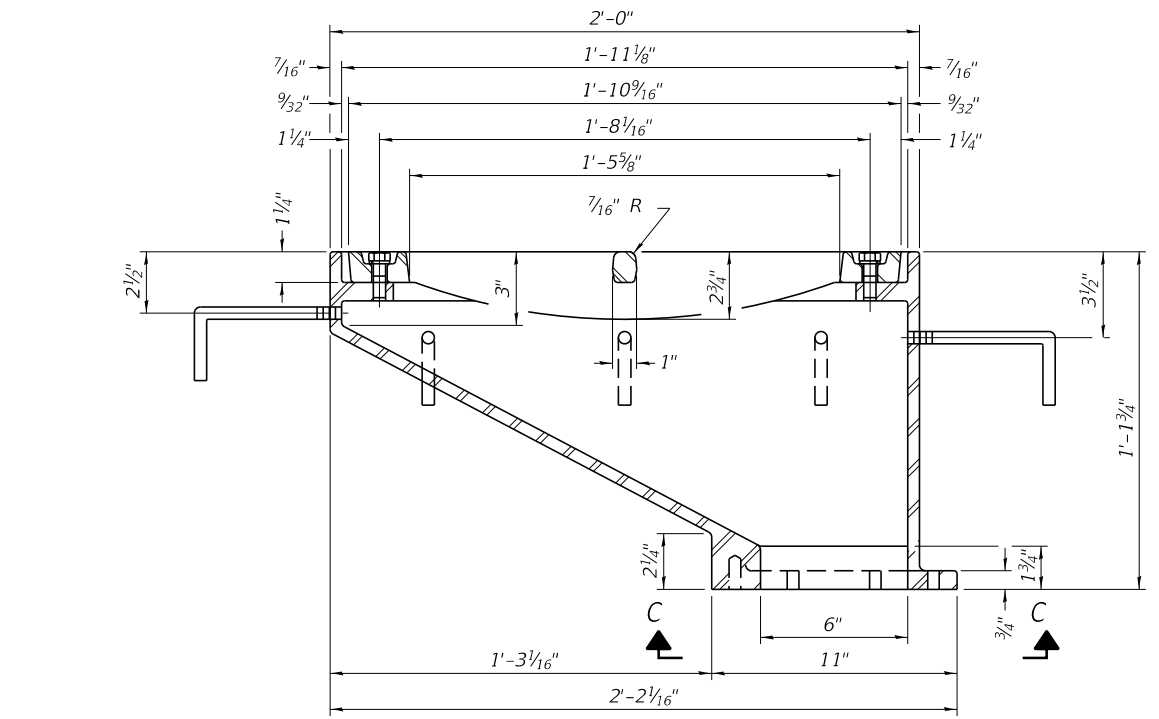
SHEET S16 OF S42 SHEETS

F.A.I.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-	2020-192-B	WILL	299	195
CONTRACT NO. 62M63				
FAI 55, FAP 338 ILLINOIS FED. AID PROJECT				

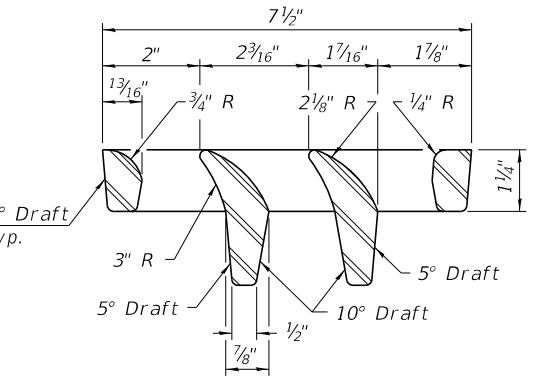
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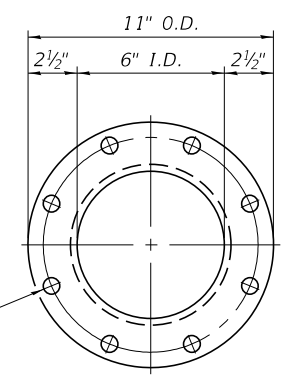
PLAN



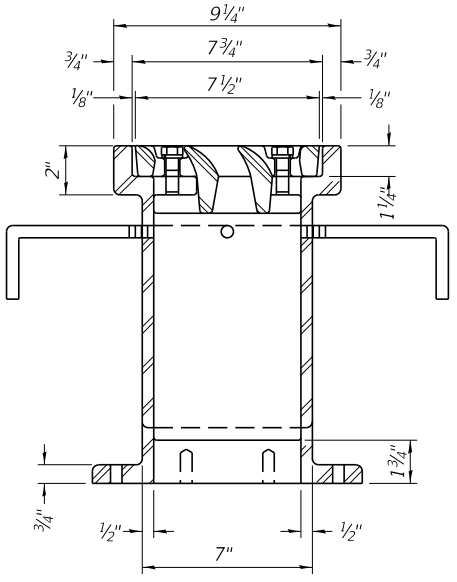
SECTION A-A
See sheet S-13 for scupper location relative to parapet.



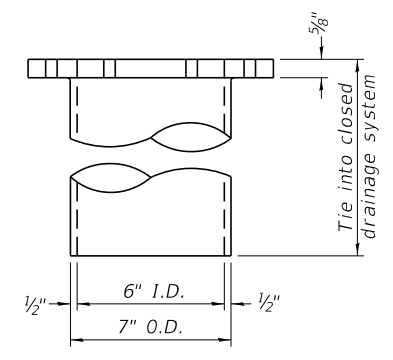
VANE GRATE DETAIL



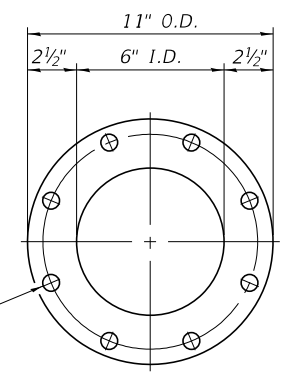
8-1 3/16" Ø holes on 9 1/2" Ø bolt circle



SECTION B-B



DOWNSPOUT

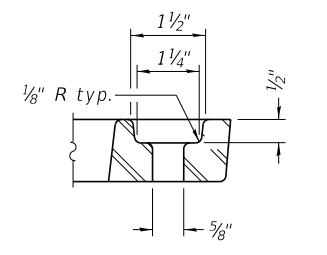


VIEW C-C

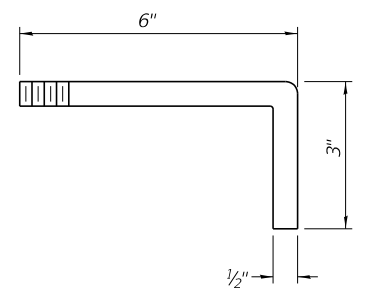
Drill and tap 8 holes for 3/4" Ø-13 UNC bolts on 9 1/2" Ø bolt circle. (2 blind holes are 1 1/4" deep, 6 thru holes)

Notes:

- All cast iron parts shall be gray iron conforming to the requirements of AASHTO M105, Class 35B and AASHTO M306.
- Bolts, anchor rods, nuts and washers shall be according to ASTM A307 and shall be galvanized according to AASHTO M232. As an alternate stainless steel may be used.
- Stainless steel hardware shall be according to Article 1006.29(d) of the Standard Specifications.
- Structural steel weldments of equal sections and of the same configuration may be substituted for the cast iron scupper frames and downspouts; however, the scupper grates shall remain cast iron. Fillet or full penetration welds shall be used for the weldments. Details shall be submitted to the Engineer for approval.
- Structural steel scupper frames and downspouts, when utilized, shall be galvanized according to AASHTO M111.
- As an alternate, fiberglass may be used for downspouts according to ASTM D2996 with a short-time rupture strength hoop tensile stress of 30,000 psi min. in lieu of the cast iron or structural steel.
- The Contractor shall take appropriate measures to assure that Protective Coat is not applied to the scupper.
- Cost of the grate, frame, downspout, anchor rods, nuts and washers including complete installation of the scupper shall be paid for at the contract unit price for Drainage Scupper, DS-12.



GRATE BOLT HOLE DETAIL



ANCHOR ROD DETAIL

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Drainage Scupper, DS-12	Each	3

DS-12

1-1-2020



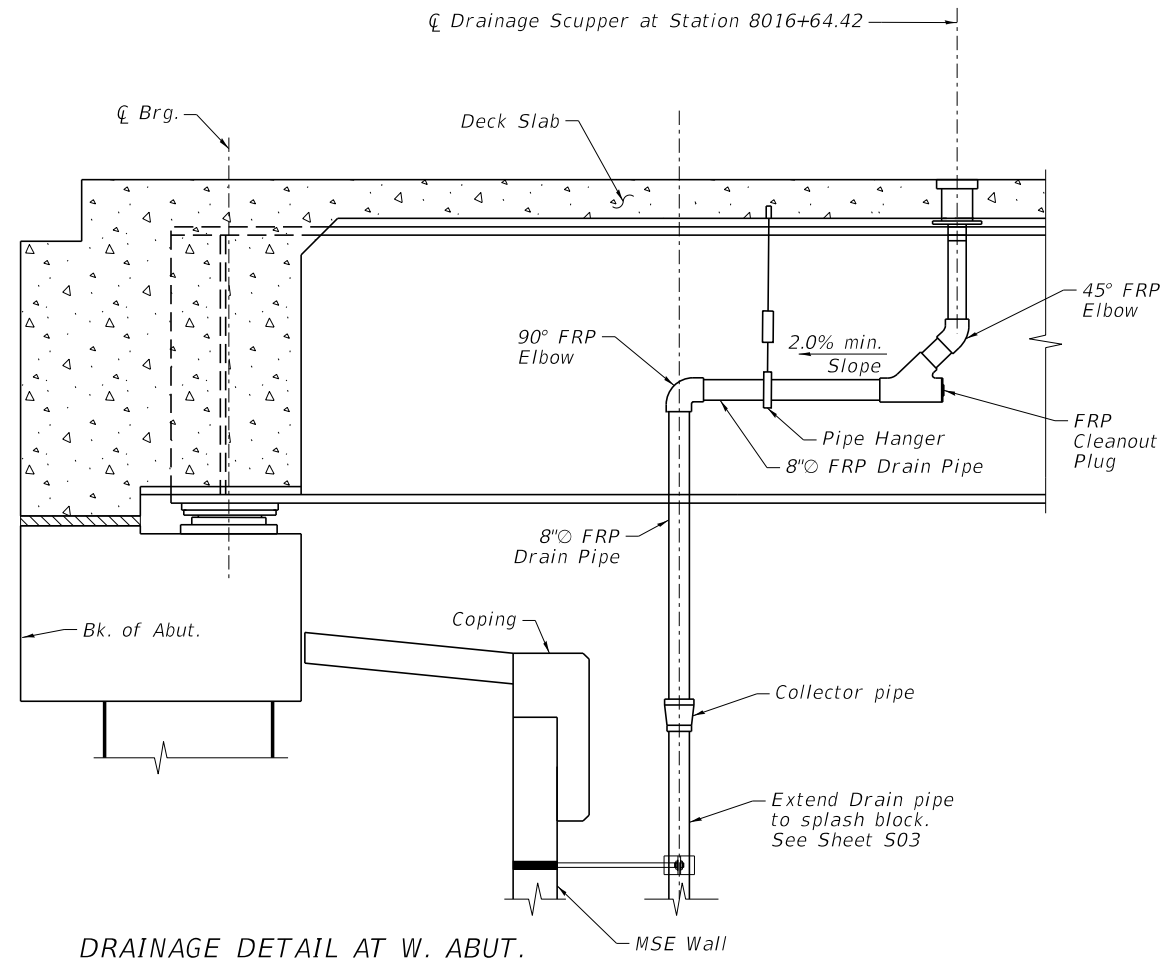
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	- DTS	-
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

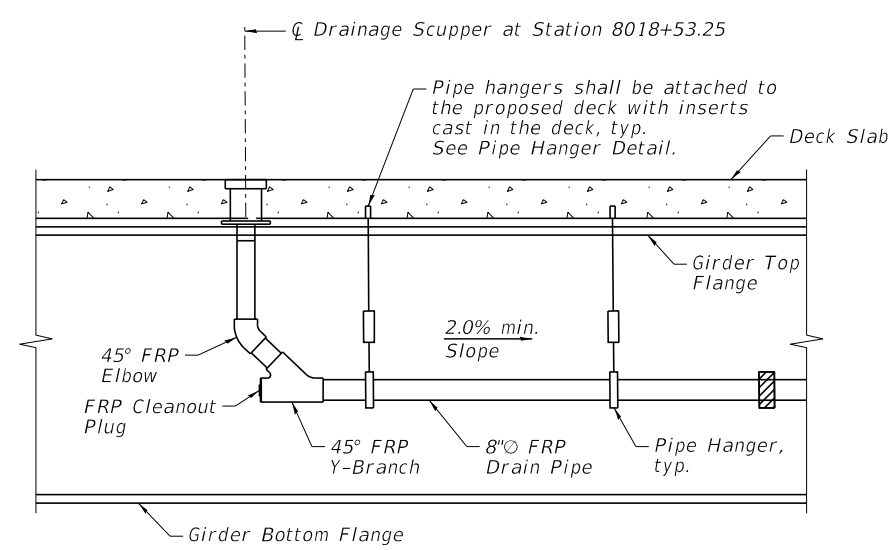
DRAINAGE SCUPPER DETAILS
STRUCTURE NO. 099-4666

SHEET S17 OF S42 SHEETS

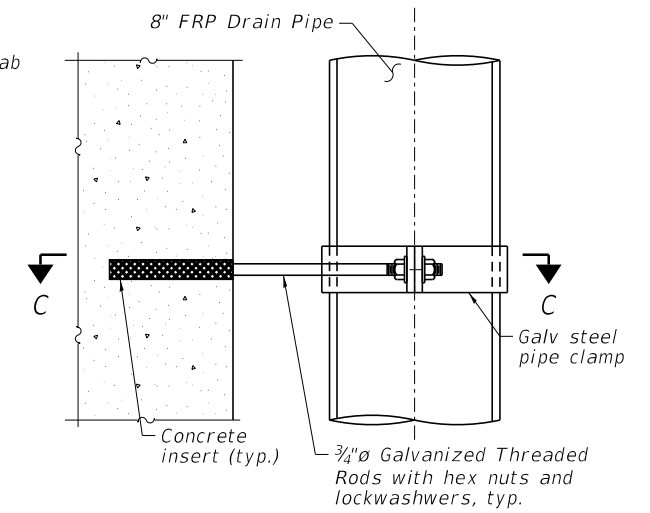
F.A.I.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2020-192-B	WILL	299	196
CONTRACT NO. 62M63				
* FAI 55, FAP 338 ILLINOIS FED. AID PROJECT				



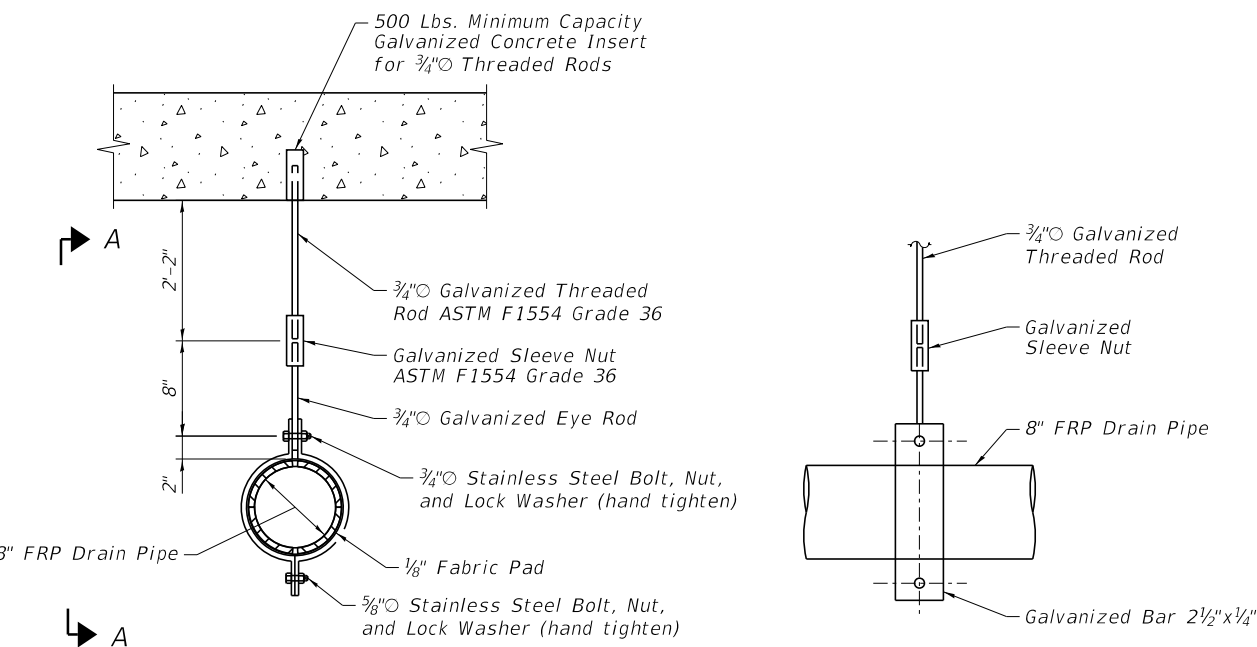
DRAINAGE DETAIL AT W. ABUT.



DRAINAGE DETAIL AT SCUPPER AT 8018+53.25

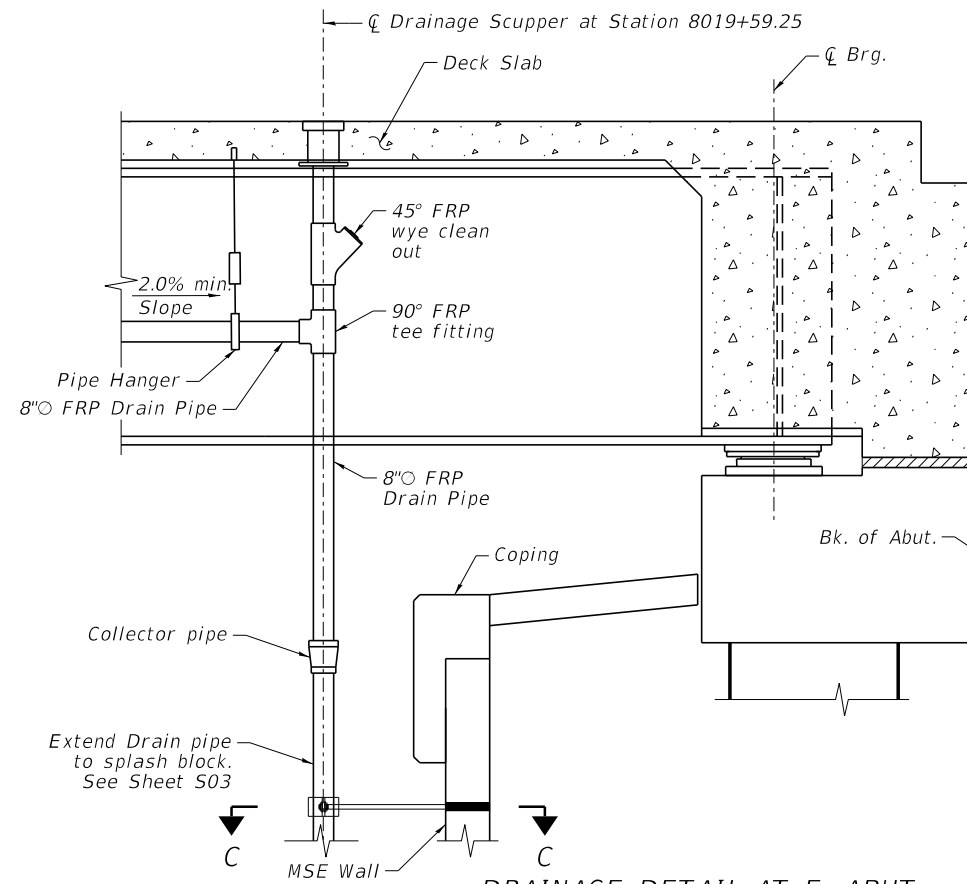


PIPE SUPPORT PLAN AT MSE WALL

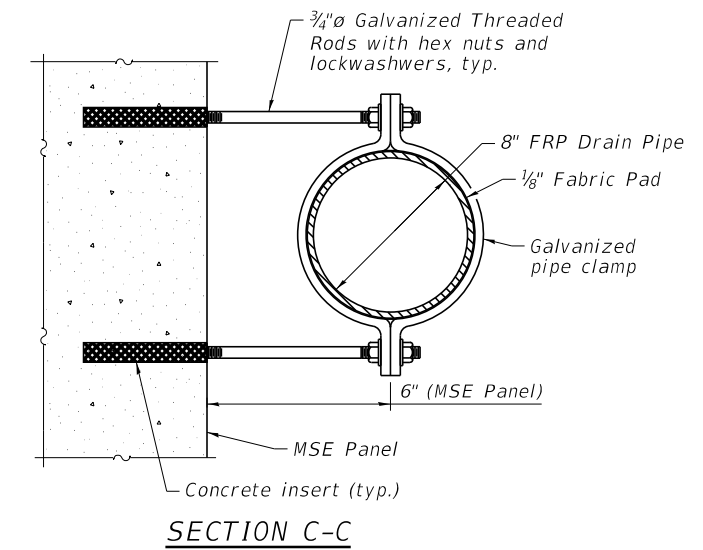


PIPE HANGER DETAIL

VIEW A-A



DRAINAGE DETAIL AT E. ABUT.



SECTION C-C

NOTES:

1. Closed Drainage system shall be fabricated and installed in accordance with special provision "Drainage System".
2. The Surface of the fiberglass shall be free of bond inhibiting agents.
3. Expansion Reducers shall be sized to accommodate longitudinal thermal movement of the superstructure.

BILL OF MATERIAL

ITEM	UNIT	TOTAL
DRAINAGE SYSTEM	L Sum	1

MODEL: D:_Def\aut\... FILE: \BeneSch\pub\benesch\com\benesch\p-81\Documents\107209\107209-00-Eng_Docs_Adv_Constr\Structures\107209\107209-00-Drainage-002.dgn



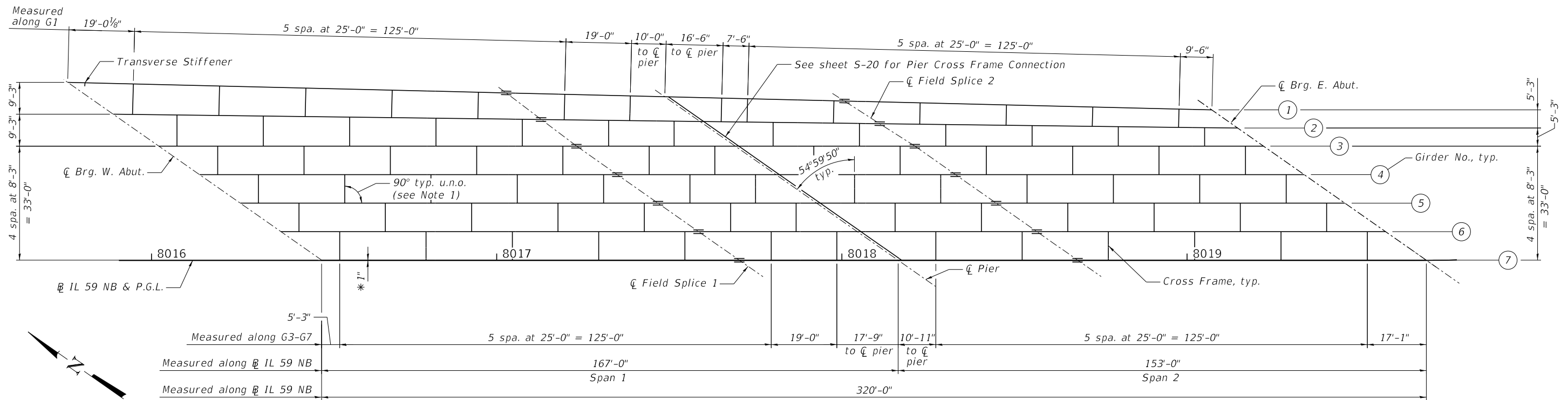
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		CHECKED	- DTS	REVISED	-
PLOT SCALE	-	DRAWN	- AJB	REVISED	-
DATE	09/18/2020	CHECKED	- DTS	REVISED	-

STATE OF ILLINOIS
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DRAINAGE DETAILS
STRUCTURE NO. 099-4666

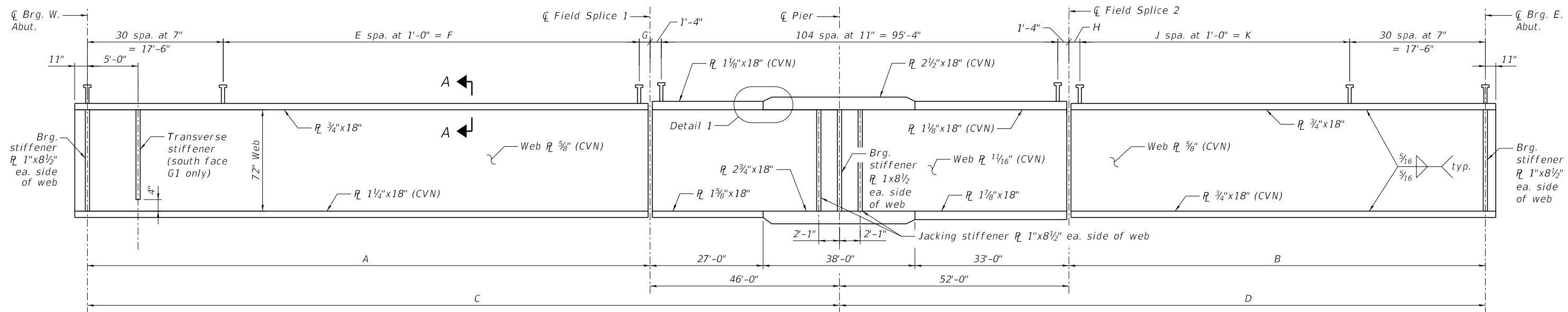
SHEET S18 OF S42 SHEETS

F.A.I.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-	2020-192-B	WILL	299	197
			CONTRACT NO. 62M63	
FAI 55, FAP 338		ILLINOIS		FED. AID PROJECT



FRAMING PLAN

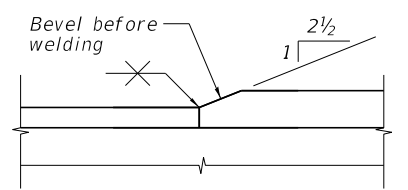
* IL 59 NB & P.G.L. is 1" south of G7.



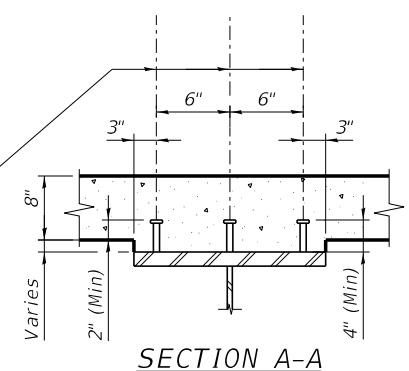
GIRDER ELEVATION

GIRDER DIMENSION TABLE

Dimension	Girder 1	Girder 2	Girder 3-7
A	127'-0 ¹ / ₈ "	123'-11 ⁷ / ₈ "	121'-0"
B	106'-6"	103'-8 ⁷ / ₈ "	101'-0"
C	173'-0 ¹ / ₈ "	169'-11 ⁷ / ₈ "	167'-0"
D	158'-6"	155'-8 ⁷ / ₈ "	153'-0"
E	108	105	102
F	108'-0"	105'-0"	102'-0"
G	1'-6 ¹ / ₈ "	1'-5 ⁷ / ₈ "	1'-6"
H	2'-0"	1'-2 ⁷ / ₈ "	1'-6"
J	87	85	82
K	87'-0"	85'-0"	82'-0"



DETAIL 1



SECTION A-A

NOTES:

1. Cross frames shall be orthogonal to the south girder, except that cross frames between G1 and G2 shall be orthogonal to G1.
2. See sheet S-20 for cross frame details.
3. See sheet S-22 for splice details.
4. All flange plates, web plates, and bearing stiffeners shall be AASHTO M270 Grade 50 Steel.
5. All cross frames between girders shall be installed with erection pins and bolts in accordance with the erection plan approved by the Engineer. Individual cross frames or diaphragms at supports may be temporarily disconnected to install bearing anchor rods.
6. "CVN" denotes Charpy-V-Notch impact energy requirements, zone 2.
7. Dimensions are measured along the girders unless noted otherwise.
8. Beams shall be braced at fascia beams for stability during erection and remain braced until deck is poured and cured.

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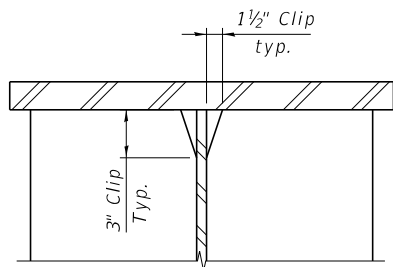
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PLOT SCALE	-	CHECKED	- DTS	REVISED	-
DATE	09/18/2020	DRAWN	- AJB	REVISED	-
		CHECKED	- DTS	REVISED	-

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

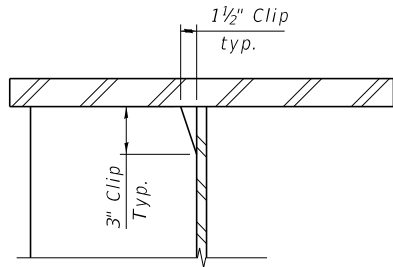
**FRAMING PLAN AND GIRDER ELEVATION
STRUCTURE NO. 099-4666**

F.A.I.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-	2020-192-B	WILL	299	198
CONTRACT NO. 62M63				
FAI 55, FAP 338 ILLINOIS FED. AID PROJECT				

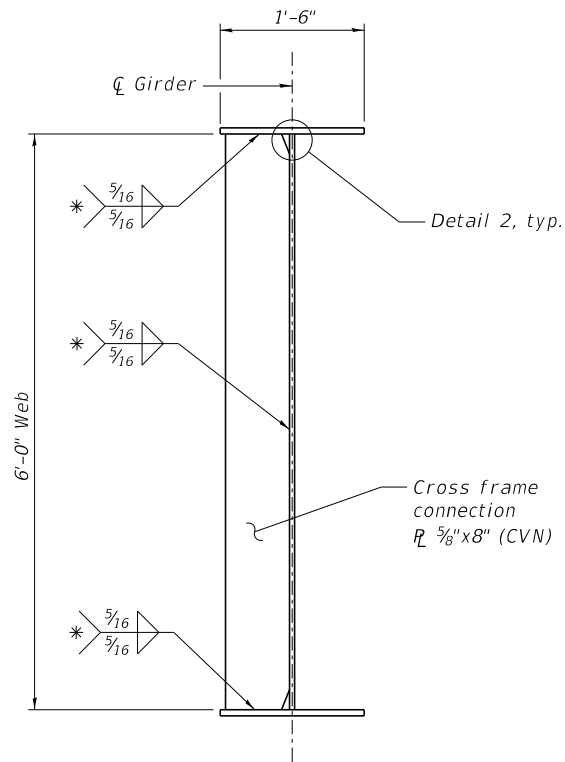
SHEET S19 OF S42 SHEETS



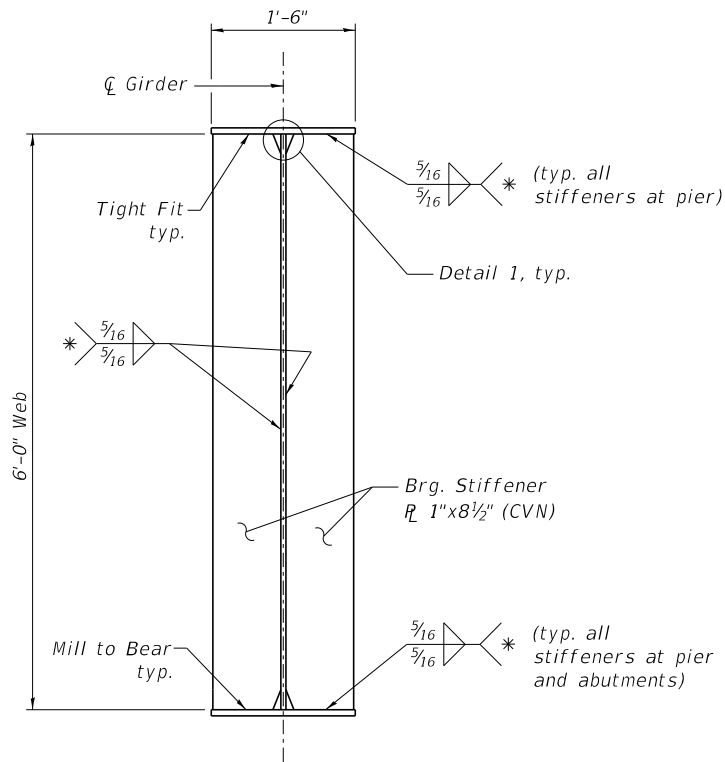
DETAIL 1
(Typ. Top & Bottom Flanges)



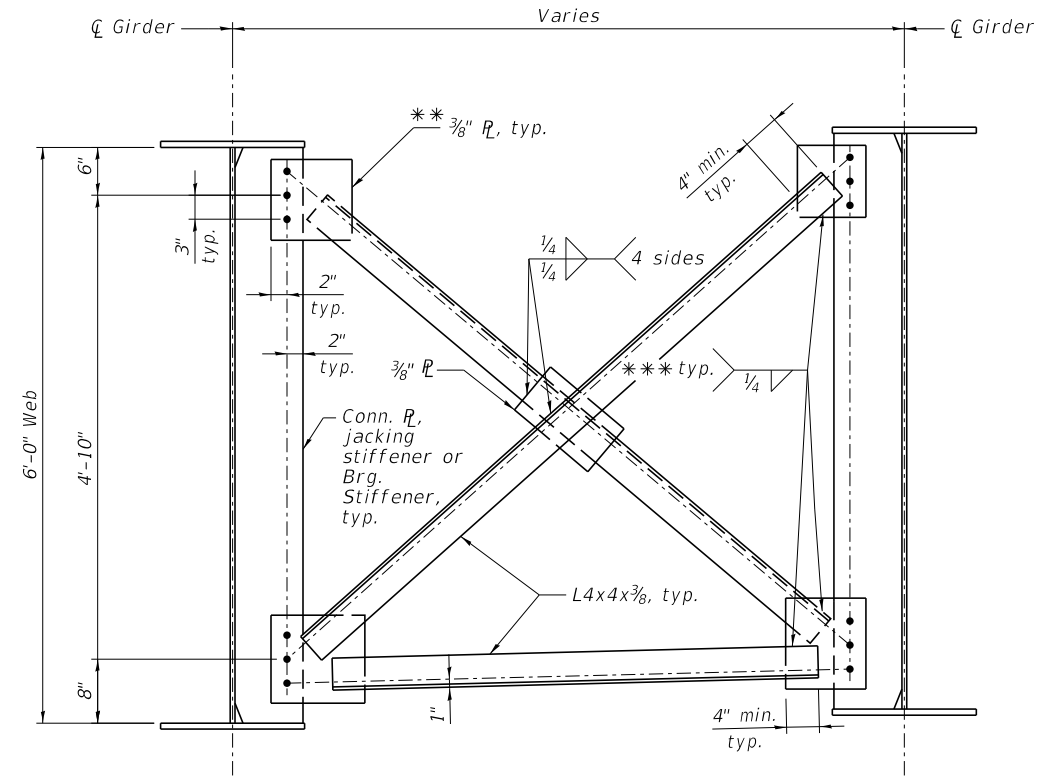
DETAIL 2
(Typ. Top & Bottom Flanges)



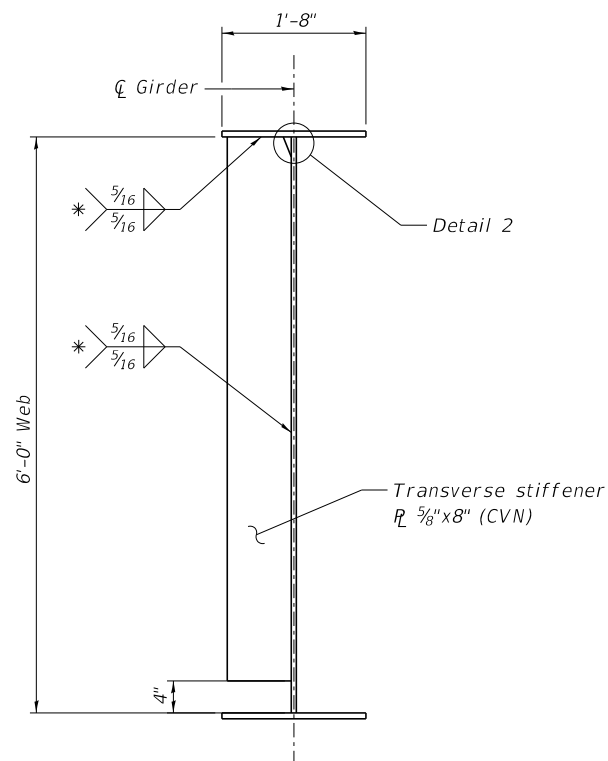
CONNECTION PLATE DETAILS
(No. Plates Req'd = 158)



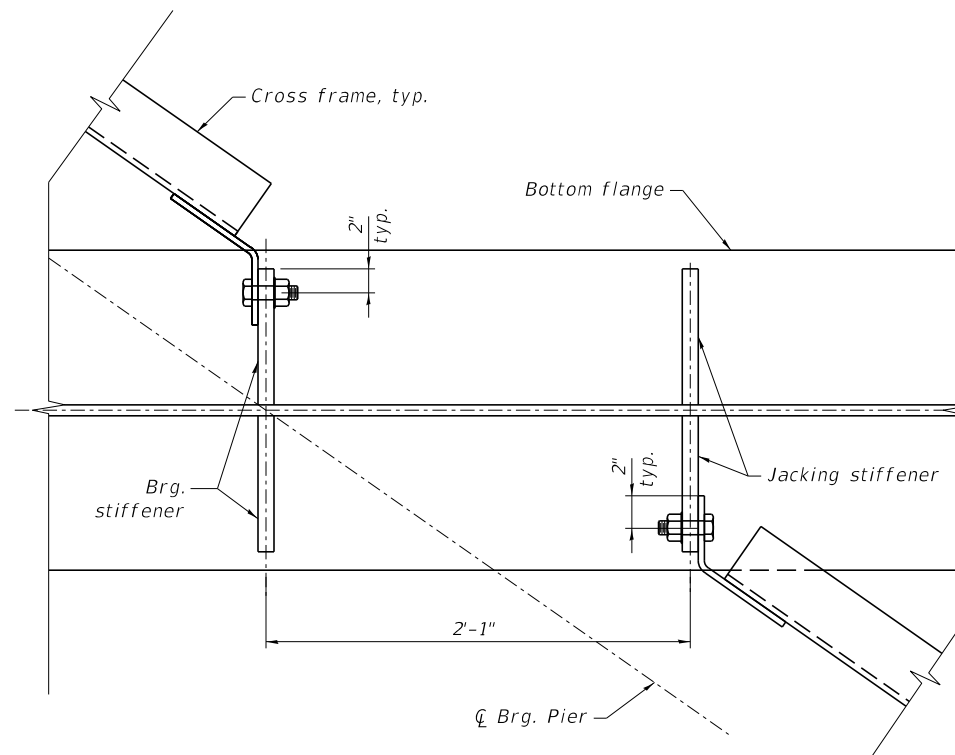
**BEARING AND JACKING STIFFENER
DETAILS - PIER AND ABUTMENTS**
(No. Plates Req'd = 70)



CROSS FRAME DETAILS
(No. Cross Frames Req'd = 85)



TRANSVERSE STIFFENER DETAILS
(No. Plates Req'd = 1)



**PIER CROSS FRAME
CONNECTION DETAIL**

- * Terminate weld 1/4" from edges of stiffener PL
- ** Bent plate where cross frame is not orthogonal to girder.
- *** Fillet weld angles along 3 sides on one face of gusset plate.

NOTES:

1. All cross frames between girders shall be installed with erection pins and bolts in accordance with the erection plan approved by the engineer. Individual cross frames at supports may be temporarily disconnected to install bearing anchor rods.
2. For location of stiffeners and connection plates, see sheet S-19.
3. Fasteners shall be ASTM F3125 Grade A325 Type 1, hot dip galvanized bolts in metalized areas. Bolts 3/4"Ø, holes 15/16"Ø, unless noted otherwise.
4. Girders and cross frames shall be detailed and fabricated for a steel dead load fit condition.
5. See sheet S-21 for steel deflection diagram.
6. Two hardened washers are required for each set of oversized holes.

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USER NAME	ksnyder
DESIGNED	EAO
CHECKED	MFH
PLOT SCALE	
DRAWN	AJB
CHECKED	MFH
DATE	09/18/2020

DESIGNED	EAO	REVISED	-
CHECKED	MFH	REVISED	-
DRAWN	AJB	REVISED	-
CHECKED	MFH	REVISED	-

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CROSS FRAME DETAILS
STRUCTURE NO. 099-4666**

SHEET S20 OF S42 SHEETS

F.A.I.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2020-192-B	WILL	299	199
CONTRACT NO. 62M63				
FAI 55, FAP 338 ILLINOIS FED. AID PROJECT				

GIRDER MOMENT TABLE (GIRDER 4 CONTROLS)				
		0.4 Sp. 1	Pier	0.6 Sp. 2
I_s	(in ⁴)	66,118	152,815	55,166
I_c (n)	(in ⁴)	160,196	271,874	127,732
I_c (3n)	(in ⁴)	116,772	-----	95,444
I_c (cr)	(in ⁴)	-----	168,808	-----
S_x	(in ³)	1995	4071	1501
S_x (n)	(in ³)	2721	-----	2084
S_x (3n)	(in ³)	2483	-----	1893
S_x (cr)	(in ³)	-----	4212	-----
S_{xc}	(in ³)	2449	-----	1890
DC1	(k/')	1.166	1.402	1.132
M_{DC1}	(k)	2106	4601	1424
DC2	(k/')	0.412	0.412	0.412
M_{DC2}	(k)	762	1543	540
DW	(k/')	0.303	0.286	0.270
M_{DW}	(k)	581	1067	337
LLDF		0.603	0.645	0.603
M_{L+IM}	(k)	2712	3342	2370
f_t (Strength I)	(ksi)	10.0	-----	10.0
$M_u + f_s/3$ (Strgth. I)	(k)	9,883	-----	7,633
$\Phi_t M_u$	(k)	13,267	-----	10,236
f_t DC1	(ksi)	12.7	13.6	11.4
f_t DC2	(ksi)	3.7	4.4	3.4
f_t DW	(ksi)	2.8	3.0	2.1
f_t (L+IM)	(ksi)	12.0	9.5	13.6
f_t (Service II)	(ksi)	10.0	10.0	10.0
$f_t + f/2$ (Service II)	(ksi)	39.7	38.4	39.7
$0.95R_u F_{cr}$	(ksi)	47.5	47.5	47.5
$f_t + f/3$	(ksi)	-----	47.0	-----
(Total)(Strength I)				
$\Phi_t F_u$	(ksi)	-----	50	-----
V_u	(k)	83.1	65.9	86.1

GIRDER REACTION TABLE (GIRDER 4 CONTROLS)			
	W. Abut.	Pier	E. Abut.
LLDF	1.037	0.832	1.049
OCF	1.247	-----	1.261
R_{DC1}	(k)	71.5	256.3
R_{DC2}	(k)	25.2	85.2
R_{DW}	(k)	19.1	59.3
R_L	(k)	116.8	198.9
R_{IM}	(k)	22.9	33.0
R_{TOTAL}	(k)	255.4	632.7

I_s, S_x : Non-composite moment of inertia and section modulus of the steel section used for computing f_t (total-strength I, and service II) due to non-composite dead loads (in⁴ and in³).

I_c (n), S_x (n): Composite moment of inertia and section modulus of the steel and deck based upon the modular ratio, "n", used for computing f_t (total-strength I, and service II) in uncracked sections due to short-term composite live loads (in⁴ and in³).

I_c (3n), S_x (3n): Composite moment of inertia and section modulus of the steel and deck based upon 3 times the modular ratio, "3n", used for computing f_t (total-strength I, and service II) in uncracked sections, due to long-term composite (superimposed) dead loads (in⁴ and in³).

I_c (cr), S_x (cr): Composite moment of inertia and section modulus of the steel and longitudinal deck reinforcement, used for computing f_t (total-strength I and service II) in cracked sections, due to both short-term composite live loads and long-term composite (superimposed) dead loads (in⁴ and in³).

S_{xc} : Section modulus about the major axis of section to the controlling flange, tension or compression, taken as yield moment with respect to the controlling flange over the yield strength of the controlling flange (in³).

DC1: Un-factored non-composite dead load (kips/ft.).

M_{DC1} : Un-factored moment due to non-composite dead load (kip-ft.).

DC2: Un-factored long-term composite (superimposed excluding future wearing surface) dead load (kips/ft.).

M_{DC2} : Un-factored moment due to long-term composite (superimposed excluding future wearing surface) dead load (kip-ft.).

DW: Un-factored long-term composite (superimposed future wearing surface only) dead load (kips/ft.).

M_{DW} : Un-factored moment due to long-term composite (superimposed future wearing surface only) dead load (kip-ft.).

M_{L+IM} : Un-factored live load moment plus dynamic load allowance (impact) (kip-ft.).

M_u (Strength I): Factored design moment (kip-ft.).
1.25 ($M_{DC1} + M_{DC2}$) + 1.5 M_{DW} + 1.75 M_{L+IM}

f_t : Factored calculated normal stress at edge of flange for controlling flange plate due to lateral bending, Strength I or Service II as applicable (kip-ft.)

$\Phi_t M_u$: compact composite positive moment capacity computed according to article 6.10.7.1 or non-slender negative moment capacity according to article A6.1.1 or A6.1.2 (kip-ft.).

f_t DC1: un-factored stress at edge of flange for controlling steel flange due to vertical non-composite dead loads as calculated below (ksi).
 M_{DC1} / S_{xc}

f_t DC2: Un-factored stress at edge of flange for controlling steel flange due to vertical composite dead loads as calculated below (ksi).
 M_{DC2} / S_x (3n) OR M_{DC2} / S_x (cr) as applicable.

f_t DW: Un-factored stress at edge of flange for controlling steel flange due to vertical composite future wearing surface loads as calculated below (ksi).
 M_{DW} / S_x (3n) OR M_{DW} / S_x (cr) as applicable.

f_t (L+IM): Un-factored stress at edge of flange for controlling steel flange due to vertical composite live load plus impact loads as calculated below (ksi).
 M_{L+IM} / S_x (n) OR M_{L+IM} / S_x (cr) as applicable.

$f_t + f/2$ (Service II): Sum of stresses as computed below (ksi).
 f_t DC1 + f_t DC2 + f_t DW + 1.3 f_t (L+IM) + $f_t/2$

$0.95R_u F_{cr}$: Composite stress capacity for service ii loading according to article 6.10.4.2 (ksi).

$f_t + f/3$ (Total)(Strength I) Sum of stresses as computed below on non-compact section (ksi).
1.25 (f_t DC1 + f_t DC2) + 1.5 f_t DW + 1.75 f_t (L+IM) + $f_t/3$

$\Phi_t F_u$: Non-compact composite positive or negative stress capacity for strength i loading according to article 6.10.7 or 6.10.8 (ksi).

V_u : Maximum factored shear range in span computed according to article 6.10.10 (k).

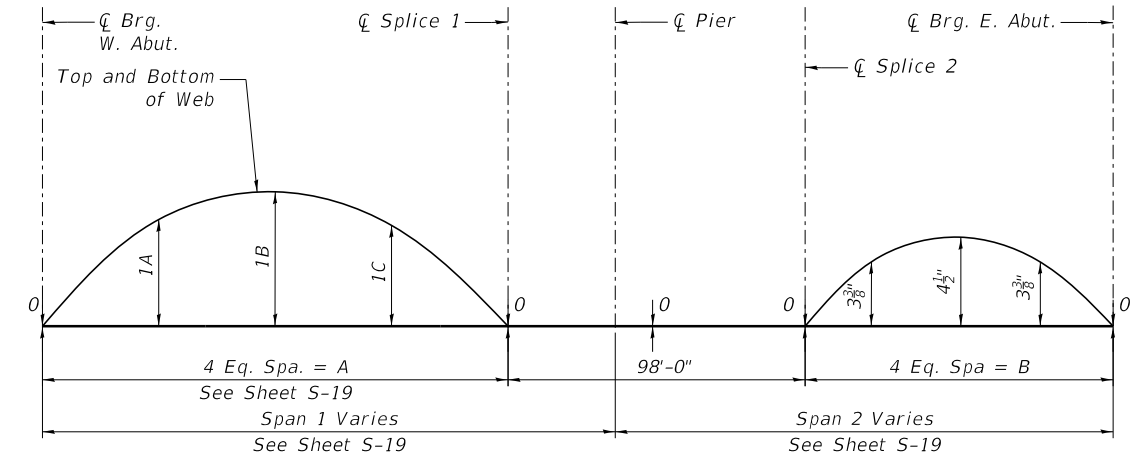
OCF: Obtuse Correction Factor

LLDF: Live Load Distribution Factor (Includes OCF)

TOP OF WEB ELEVATIONS

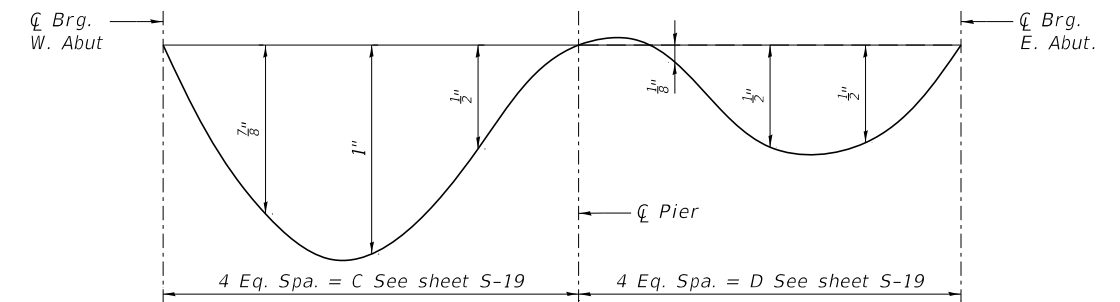
(For fabrication only)

Location	Girder 1	Girder 2	Girder 3	Girder 4	Girder 5	Girder 6	Girder 7
☐ Brg. W. Abut.	622.70	622.72	622.74	622.75	622.77	622.79	622.80
☐ Splice 1	624.63	624.55	624.42	624.32	624.18	624.02	623.83
☐ Brg. Pier 1	624.55	624.40	624.24	624.04	623.81	623.55	623.27
☐ Splice 2	624.47	624.22	624.03	623.72	623.38	623.02	622.63
☐ Brg. E. Abut.	622.54	622.23	621.91	621.38	620.83	620.26	619.66



Location	Girder 1	Girder 2	Girder 3	Girder 4	Girder 5	Girder 6	Girder 7
1A	3 3/4"	3 3/4"	3 1/2"	4 5/16"	4 7/8"	5 1/4"	5 5/8"
1B	5"	5"	5 1/4"	5 3/4"	6 1/2"	7"	7 1/2"
1C	3 3/4"	3 3/4"	3 1/2"	4 5/16"	4 7/8"	5 1/4"	5 5/8"

CAMBER DIAGRAM



STEEL DEFLECTION DIAGRAM

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USER NAME	ksnlider	DESIGNED	- EAO	REVISED	-
		CHECKED	- MFH	REVISED	-
PLOT SCALE	-	DRAWN	- AJB	REVISED	-
DATE	09/18/2020	CHECKED	- MFH	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MOMENT AND REACTION TABLES
STRUCTURE NO. 099-4666

SHEET S21 OF S42 SHEETS

F.A.I.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2020-192-B	WILL	299	200
CONTRACT NO. 62M63				
FAI 55, FAP 338		ILLINOIS		FED. AID PROJECT