

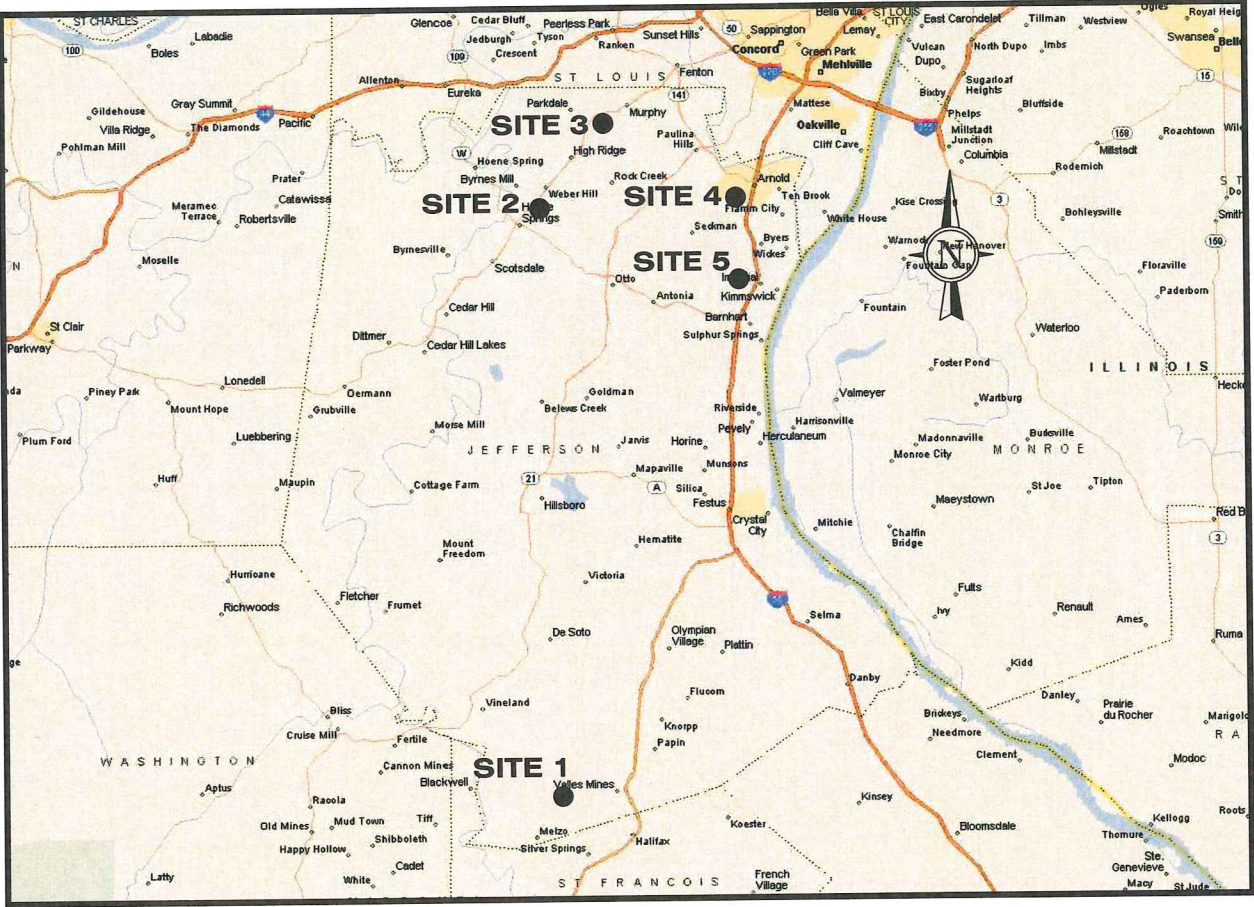
JEFFERSON COUNTY SCHOOLS ADVANCED WARNING BEACON INSTALLATION PLAN PROJECT NUMBER: PW17000TRS

INDEX

SHEET

DESCRIPTION

1	COVER SHEET
2	SITE LOCATIONS
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10	WOODRIDGE SCHOOL
11	SIMPSON SCHOOL
12	ST. JOSEPH SCHOOL
13-17	CROSS SECTIONS
18	TRAFFIC CONTROL PLAN



LOCATION MAP

(not to scale)



APPROVED BY:
JEFFERSON COUNTY, MISSOURI
[Signature]
DATE: 3/15/17

LEGEND

---	OHE	OVER HEAD ELECTRIC	□	UTILITY POLE
---	E	UNDERGROUND ELECTRIC	□	EXISTING GROUND MOUNT SIGN
---	UT	UNDERGROUND TELEPHONE	□	PROPOSED ADVANCED WARNING BEACON ASSEMBLY
---	T	TELEPHONE	□	PROPOSED TYPE 2 POWER SUPPLY ASSEMBLY
---	FO	FIBER OPTIC CABLE		
---	UC	UNDERGROUND CABLE		
---	G	GAS		
---	W	WATER		
---	SAN	SANITARY SEWER		

UTILITY INFORMATION LIST OF CONTACTS

AT&T
GLENN HOGANMILLER
122 N. SECOND ST.
FESTUS, MO 63028
PHONE: (636) 931-7525
GH5805@ATT.COM

CHARTER COMMUNICATIONS
LISA WARD
TECHNICAL CLERK SR.
815 CHARTER COMMONS
TOWN & COUNTRY, MO 63017
PHONE: (636) 387-6633 (OFFICE)
LISA.WARD@CHARTER.CO

JEFFERSON COUNTY PWS 1
LYNNE EDWARDS, DISTRICT MANAGER
P.O. BOX 430, BARNHART, MO 63012
PHONE: (636) 948-2500
FAX: (636) 942-3173
ADMINISTRATOR@PWSDC1.COM

JEFFERSON COUNTY PWS 2
195 OLD SUGAR CREEK RD
HIGH RIDGE, MO 63049
PHONE: (636) 326 0200
FAX: (636) 343 5863
PATTY@PWS2.COM

JEFFERSON COUNTY PWS 6
TOM WARD
MANAGER
PO BOX 218
HOUSE SPRINGS, MO 63051
PHONE: (636) 671-4096
MANAGER@PWS6.ORG

JEFFERSON COUNTY PWS 8
7970 GRAHAM RD
CEDAR HILL, MO 63016
PHONE: (636) 274-3125
FAX: (636) 274-3126

ROCK CREEK PUBLIC SEWER DISTRICT
4133 WEST OUTER ROAD
ARNOLD, MISSOURI 63010
PHONE: (636) 464-3305
FAX: (636) 464-2196

HOUSE SPRINGS SEWER CO
4089 COUNTRY CLUB DR
IMPERIAL, MISSOURI 63052
PHONE: (636) 282-1855

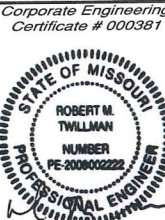
AMEREN
MISSOURI ELECTRIC OPERATIONS
BILL ROSENER
6450 HIGHWAY MM
HOUSE SPRINGS, MO 63051
PHONE: (636) 671-6162
WROSENER@AMEREN.COM

LACLEDE GAS
BRIAN LANGENBACHER
4118 SHREWSBURY AVENUE
SHREWSBURY, MO 63119
PHONE: (314) 768-7767
FAX: (314) 768-7744
CELL: (314) 713-6572
BRIAN.LANGENBACHER@THELACLEDEGROUP.COM

ENABLE MISSISSIPPI RIVER TRANSMISSION
PRINCIPAL EXECUTIVE OFFICE
ONE LEADERSHIP SQUARE
211 N ROBINSON AVE., SUITE 150
OKLAHOMA CITY, OK 73102
PHONE: 1-800-325-4005



EXISTING UNDERGROUND AND OVERHEAD FACILITIES, STRUCTURES AND UTILITIES IF SHOWN ON THESE PLANS, SHALL BE CONSIDERED APPROXIMATE ONLY. VERIFICATION OF THE LOCATIONS OF ALL EXISTING UNDERGROUND FACILITIES, STRUCTURES AND UTILITIES, EITHER SHOWN OR NOT SHOWN ON THESE PLANS, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR, AND SHALL BE VERIFIED PRIOR TO ANY GRADING, EXCAVATION OR CONSTRUCTION OF IMPROVEMENTS.



CIVIL ENGINEER

DATE PREPARED
3/3/17

ROUTE STATE
MO

DISTRICT SHEET NO.
SL 1

COUNTY
JEFFERSON

JOB NO.
125-15

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION
8/31/16	1ST SUBMITTAL
12/14/16	2ND SUBMITTAL
12/21/16	3RD SUBMITTAL
3/3/17	4TH SUBMITTAL

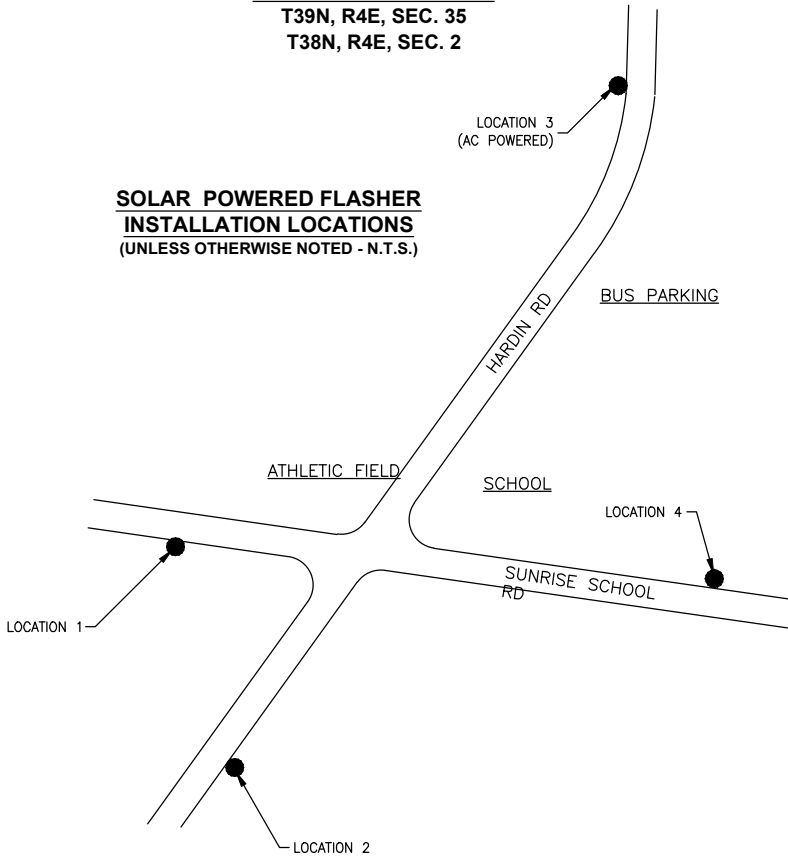
TRANSPORTATION ENGINEERS+PLANNERS
12400 OLIVE BLVD, SUITE 430
ST. LOUIS, MO 63141
(314) 878-6644
450 COTTONWOOD RD, SUITE B
GLEN CARBON, IL 62034
(619) 666-2612
www.cdbtraffic.com

COVER SHEET
VALLEY MIDDLE SCHOOL
ADVANCED WARNING BEACON
JEFFERSON COUNTY, MISSOURI

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

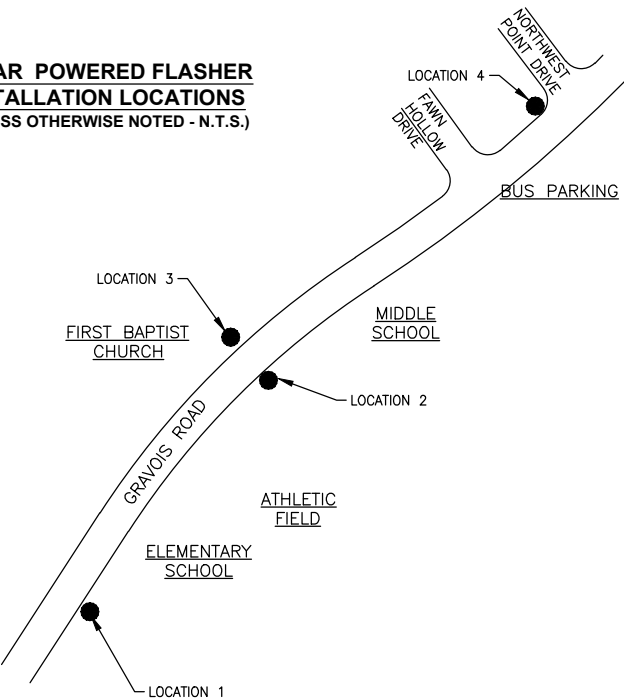
SITE 1
SUNRISE SCHOOL
T39N, R4E, SEC. 35
T38N, R4E, SEC. 2

SOLAR POWERED FLASHER
INSTALLATION LOCATIONS
(UNLESS OTHERWISE NOTED - N.T.S.)



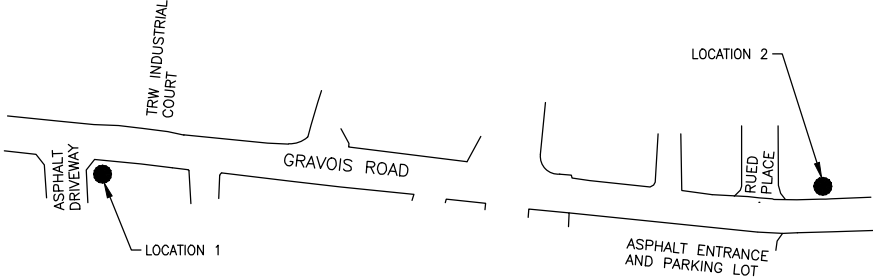
SITE 2
VALLEY MIDDLE SCHOOL
T43N, R4E, SEC. 34

SOLAR POWERED FLASHER
INSTALLATION LOCATIONS
(UNLESS OTHERWISE NOTED - N.T.S.)



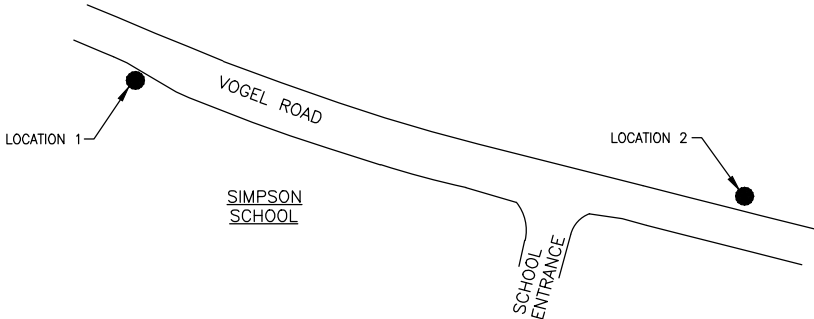
SITE 3
WOODRIDGE MIDDLE SCHOOL

SOLAR POWERED FLASHER
INSTALLATION LOCATIONS
(UNLESS OTHERWISE NOTED - N.T.S.)



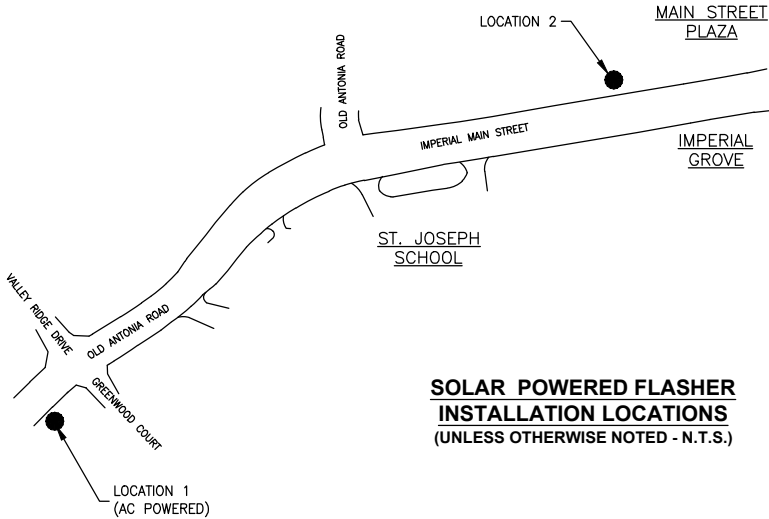
SITE 4
SIMPSON ELEMENTRY SCHOOL

SOLAR POWERED FLASHER
INSTALLATION LOCATIONS
(UNLESS OTHERWISE NOTED - N.T.S.)



SITE 5
ST. JOSEPH SCHOOL

SOLAR POWERED FLASHER
INSTALLATION LOCATIONS
(UNLESS OTHERWISE NOTED - N.T.S.)



Corporate Engineering
Certificate # 000381



CIVIL ENGINEER

DATE PREPARED
3/3/17

ROUTE STATE
SL MO

DISTRICT SHEET NO.
SL 2

COUNTY
JEFFERSON

JOB NO.
125-15

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION
8/31/16	1ST SUBMITTAL
12/14/16	2ND SUBMITTAL
12/21/16	3RD SUBMITTAL
3/3/17	4TH SUBMITTAL

TRANSPORTATION
ENGINEERS+PLANNERS



12400 OLIVE BLVD, SUITE 430
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SITE LOCATIONS
ADVANCED WARNING BEACON
LAYOUT

JEFFERSON COUNTY, MISSOURI

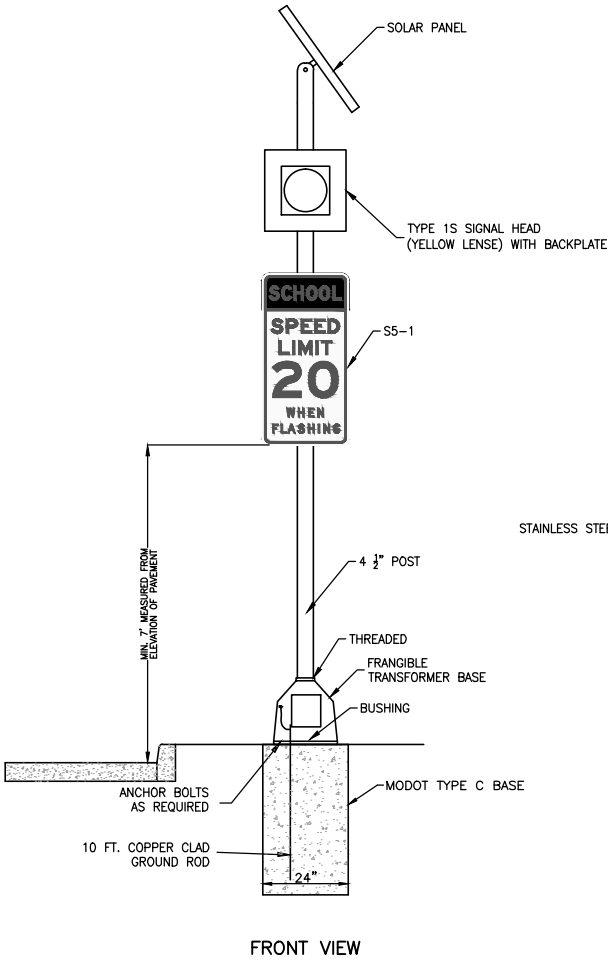
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GENERAL NOTES:

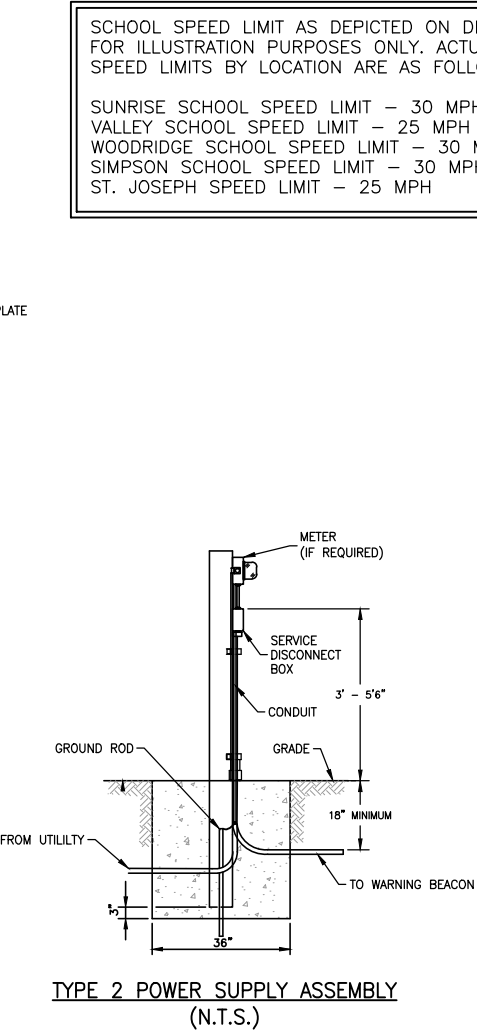
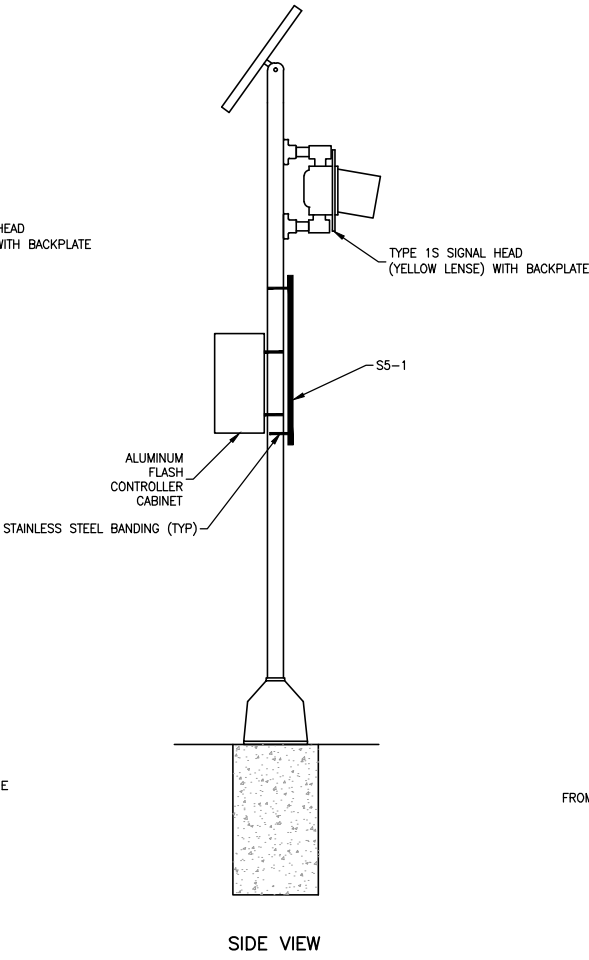
1. THE INSTALLATION OF THE SIGNS SHALL BE IN ACCORDANCE WITH THE MISSOURI HIGHWAY AND TRANSPORTATION COMMISSION'S STANDARD SPECIFICATIONS, LATEST EDITION, AND SHALL CONFORM TO THE MUTCD FOR STREETS & HIGHWAYS.
2. EXISTING UNDERGROUND AND OVERHEAD FACILITIES, STRUCTURES AND UTILITIES IF SHOWN ON THESE PLANS, SHALL BE CONSIDERED APPROXIMATE ONLY. VERIFICATION OF THE LOCATIONS OF ALL EXISTING UNDERGROUND FACILITIES, STRUCTURES AND UTILITIES, EITHER SHOWN OR NOT SHOWN ON THESE PLANS, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR, AND SHALL BE VERIFIED PRIOR TO ANY GRADING, EXCAVATION OR CONSTRUCTION OF IMPROVEMENTS. CALL MISSOURI ONE-CALL SYSTEM AT 1-800-DIG-RITE (344-7483).
3. TRAFFIC CONTROL SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS AND MISSOURI DEPARTMENT OF TRANSPORTATION STANDARDS.
4. THE CONTRACTOR WILL BE RESPONSIBLE FOR SPOTTING THE LOCATION OF ALL EQUIPMENT. THE CONTRACTOR SHALL NOTIFY THE JEFFERSON COUNTY INSPECTOR A MINIMUM OF ONE WEEK IN ADVANCE OF THE DESIRED DATE OF INSTALLATION.
5. THE CONTRACTOR SHALL REMOVE ALL EXISTING GROUND MOUNTED SCHOOL SPEED LIMIT SIGNS, POSTS AND ALL RELATED EQUIPMENT PRIOR TO THE INSTALLATION OF THE NEW ADVANCED WARNING BEACONS.
6. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL ELECTRICAL SERVICE WORK WITH AMEREN AND SHALL CONFORM TO AMEREN UE'S ELECTRICAL SERVICE MANUAL.
7. ANY GRASS OR LANDSCAPED AREAS DISTURBED DUE TO CONSTRUCTION ACTIVITIES SHALL BE RESTORED TO THEIR ORIGINAL CONDITION.

SUMMARY OF QUANTITIES							
ITEM DESCRIPTION	UNIT	SUNRISE	VALLEY	WOODRIDGE	SIMPSON	ST. JOSEPH	TOTAL
REMOVAL OF IMPROVEMENTS	L.SUM	1	1	1	1	1	5
SOLAR POWERED ADVANCED WARNING BEACON ASSEMBLY – COMPLETE(1)	EACH	3	4	2	2	1	12
AC POWERED ADVANCED WARNING BEACON ASSEMBLY – COMPLETE(1)	EACH	1	–	–	–	1	2
TYPE 2 POWER SUPPLY	EACH	1	–	–	–	1	2
2" CONDUIT	LIN. FT	65	–	–	–	26	91
#2 POWER CABLES, 3 CONDUCTOR	LIN. FT	44	–	–	–	44	88
#6 POWER CABLES, 3 CONDUCTOR	LIN. FT	63	–	–	–	28	91
AMEREN SERVICE CONNECTION	L.SUM	1	–	–	–	1	2
TRAFFIC CONTROL	L.SUM	1	1	1	1	1	5
MOBILIZATION	L.SUM	1	1	1	1	1	5

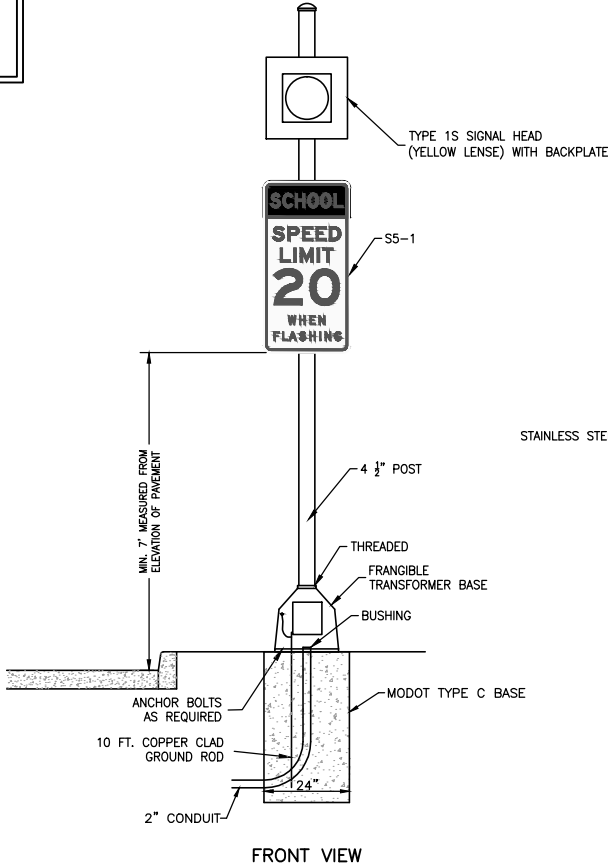
(1) THIS PAY ITEM SHALL INCLUDE ONE 17' POST ON BREAKAWAY BASE, EACH EQUIPPED BEACON SYSTEM. THIS UNIT WILL NOT REQUIRE ETHERNET BASED REMOTE PROGRAMMING CAPABILITIES. ALL MOUNTING BRACKETS AND MISCELLANEOUS HARDWARE WILL BE CONSIDERED INCIDENTAL.



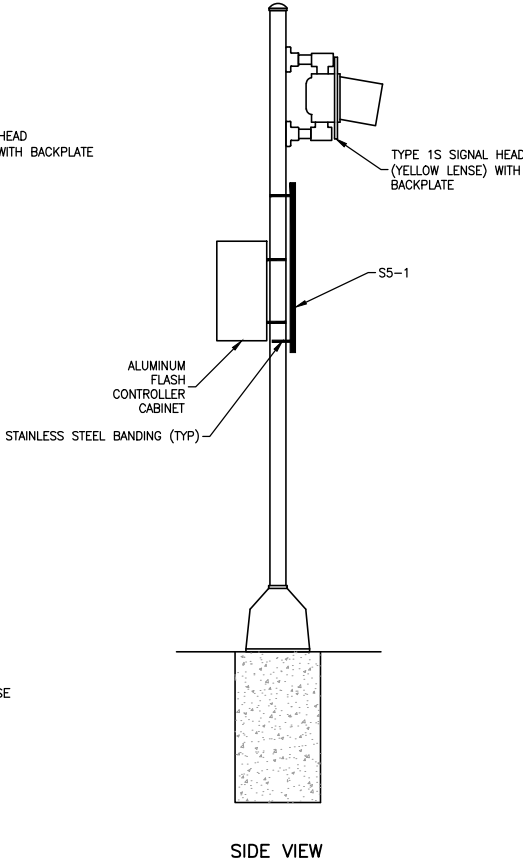
SOLAR POWERED
ADVANCED WARNING BEACON DETAIL
(N.T.S.)
(ALL LOCATIONS UNLESS OTHERWISE NOTED)



TYPE 2 POWER SUPPLY ASSEMBLY
(N.T.S.)



AC POWERED
ADVANCED WARNING BEACON DETAIL
(N.T.S.)
SUNRISE LOCATION #3
ST. JOSEPH LOCATION #1



Corporate Engineering
Certificate # 000381

STATE OF MISSOURI

ROBERT M. TWILLMAN

NUMBER
PE-2008002222

PROFESSIONAL ENGINEER

CIVIL ENGINEER

DATE PREPARED
3/3/17

ROUTE
STATE
MO

DISTRICT
SL
SHEET NO.
3

COUNTY
JEFFERSON

JOB NO.
125-15

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

1ST SUBMITTAL

2ND SUBMITTAL

3RD SUBMITTAL

4TH SUBMITTAL

DATE

8/31/16

12/14/16

12/21/16

3/3/17

TRANSPORTATION
ENGINEERS+PLANNERS

12400 OLIVE BLVD, SUITE 430
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(314) 676-8644

450 COTTONWOOD RD, SUITE B
GLEN CARBON, IL 62034
(618) 686-2612
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CB

B

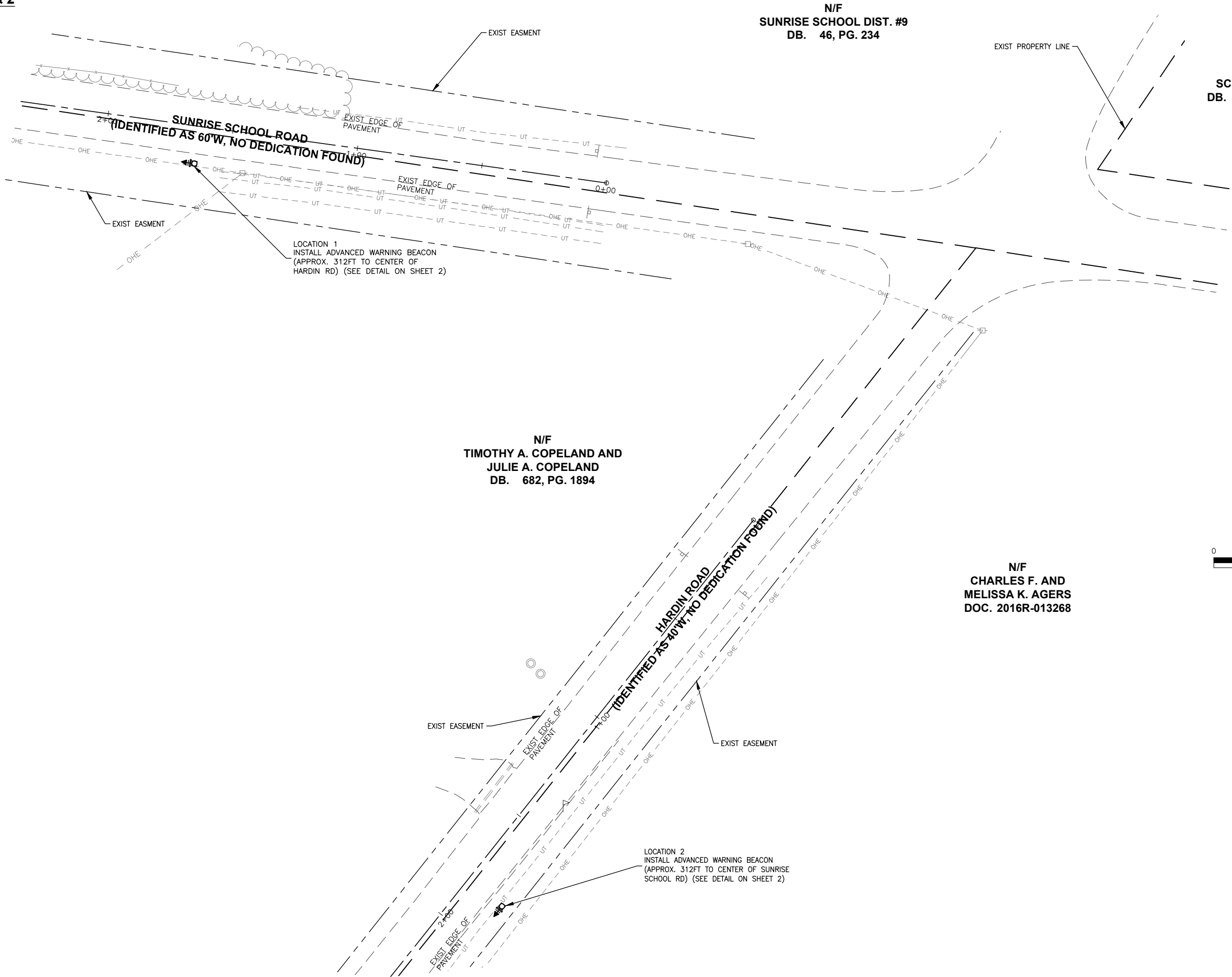
B

SUMMARY OF QUANTITIES &
DETAILS

SUNRISE SCHOOL
ADVANCED WARNING BEACON
JEFFERSON COUNTY, MISSOURI

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

SUNRISE SCHOOL
LOCATIONS 1 & 2

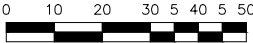


N/F
SUNRISE SCHOOL DIST. #9
DB. 46, PG. 234

N/F
SCHOOL DIST.
DB. 166, PG. 521

N/F
TIMOTHY A. COPELAND AND
JULIE A. COPELAND
DB. 682, PG. 1894

N/F
CHARLES F. AND
MELISSA K. AGERS
DOC. 2016R-013268



Corporate Engineering
Certificate # 000381

STATE OF MISSOURI
ROBERT M. TWILLMAN
NUMBER
PE-2008002222
PROFESSIONAL ENGINEER

CIVIL ENGINEER

DATE PREPARED
3/3/17

ROUTE STATE
MO

DISTRICT SHEET NO.
SL 4

COUNTY
JEFFERSON

JOB NO.
125-15

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

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8/31/16	1ST SUBMITTAL
12/14/16	2ND SUBMITTAL
12/21/16	3RD SUBMITTAL
3/3/17	4TH SUBMITTAL

TRANSPORTATION
ENGINEERS+PLANNERS

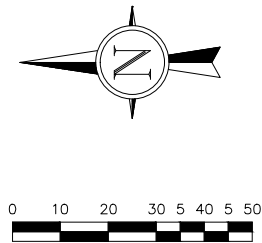
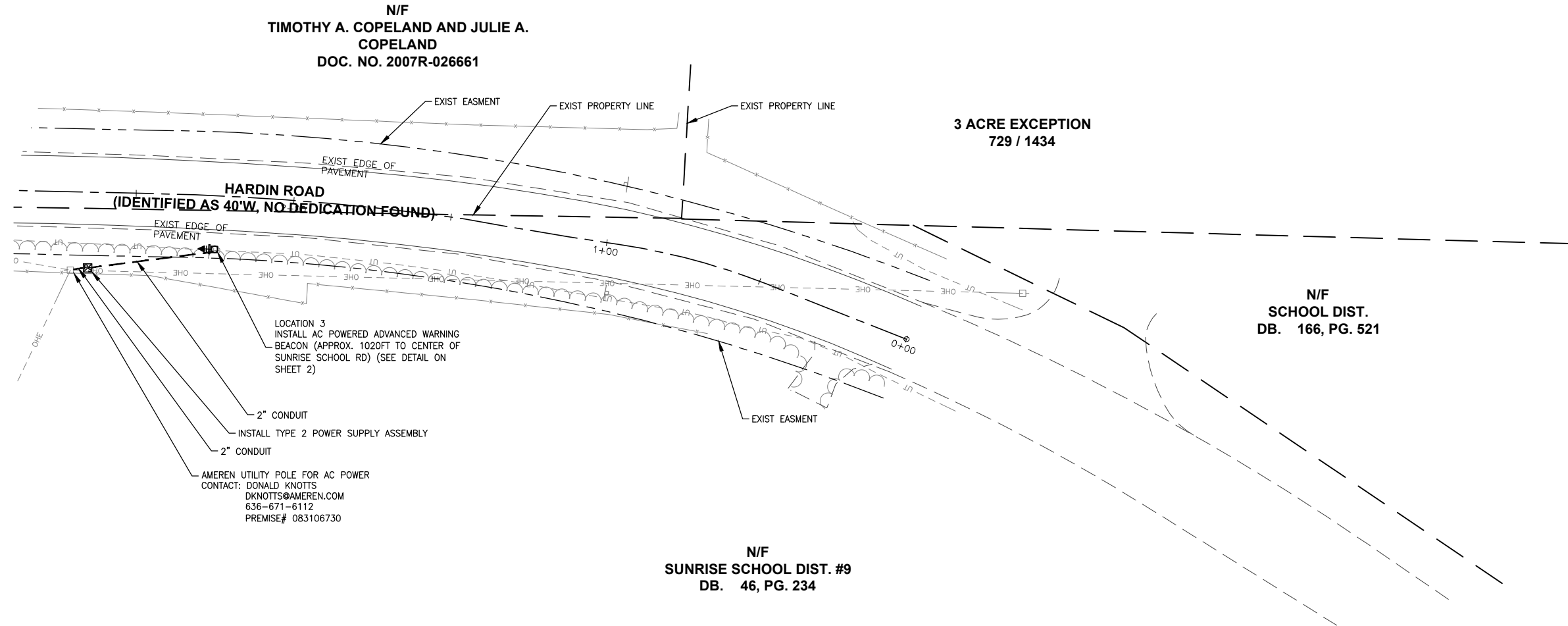
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(314) 676-8644

460 COTTONWOOD RD, SUITE B
GLEN CARBON, IL 62034
(618) 686-2612
www.gbbtraffic.com

ADVANCED WARNING BEACON
INSTALLATION
SUNRISE SCHOOL
SUNRISE SCHOOL ROAD &
HARDIN ROAD
JEFFERSON COUNTY, MISSOURI

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

SUNRISE SCHOOL
LOCATION 3



Corporate Engineering
Certificate # 000381

STATE OF MISSOURI
ROBERT M. TWILLMAN
NUMBER
PE-2008002222
PROFESSIONAL ENGINEER

CIVIL ENGINEER

DATE PREPARED
3/3/17

ROUTE
STATE
SL
MO

DISTRICT
SHEET NO.
SL
5

COUNTY
JEFFERSON

JOB NO.
125-15

CONTRACT ID.

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12/21/16	3RD SUBMITTAL
3/3/17	4TH SUBMITTAL

**TRANSPORTATION
ENGINEERS+PLANNERS**

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460 COTTONWOOD RD, SUITE B
GLEN CARBON, IL 62034
(618) 686-2612
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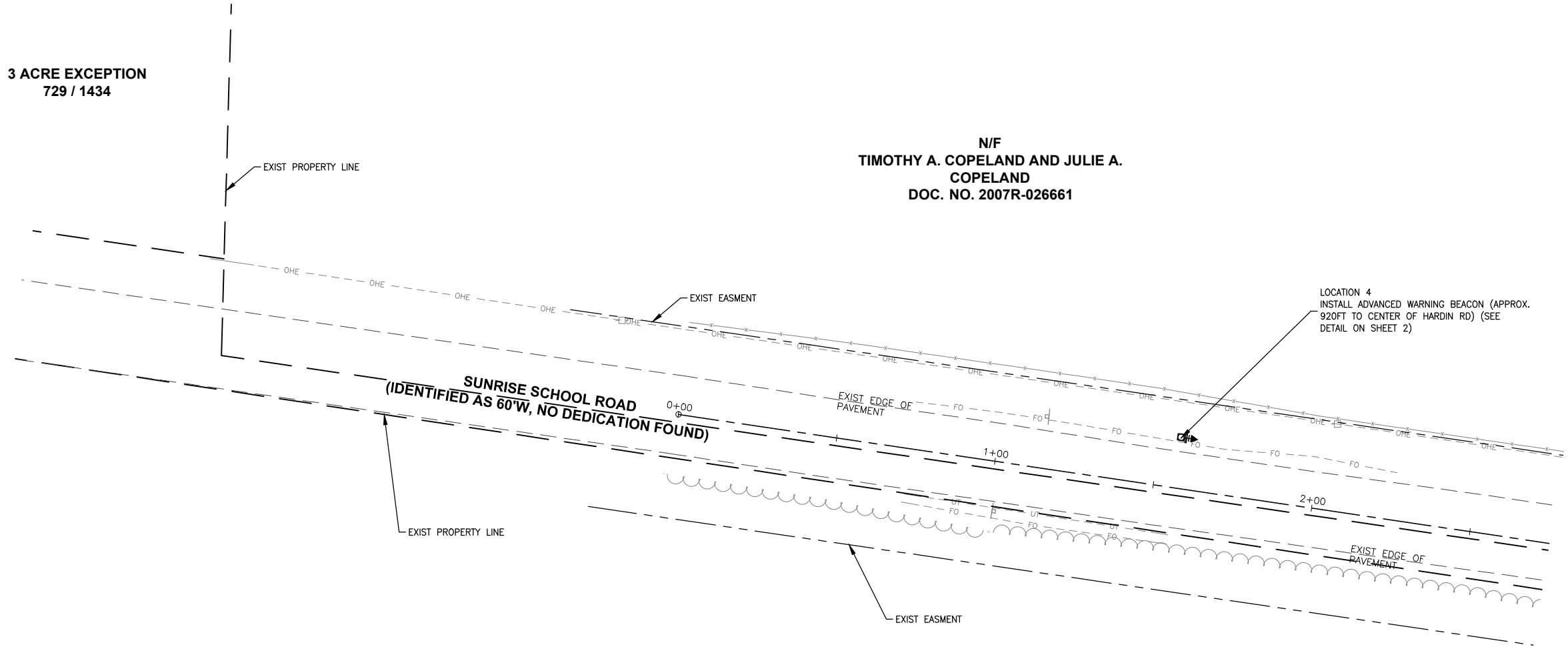
CTB

ADVANCED WARNING BEACON
INSTALLATION
SUNRISE SCHOOL
HARDIN ROAD
JEFFERSON COUNTY, MISSOURI

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

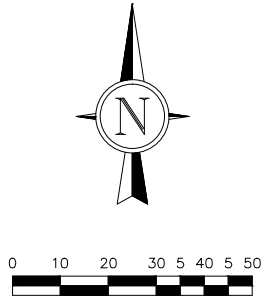
SUNRISE SCHOOL
LOCATION 4

3 ACRE EXCEPTION
729 / 1434



N/F
LINDELL P. AND
SYLVIA L. ROWE
DOC. 30020798

N/F
TIMOTHY A. COPELAND AND JULIE A.
COPELAND
DOC. NO. 2007R-026661



Corporate Engineering
Certificate # 000381

STATE OF MISSOURI
ROBERT M. TWILLMAN
NUMBER
PE-2008002222
PROFESSIONAL ENGINEER

CIVIL ENGINEER

DATE PREPARED
3/3/17

ROUTE	STATE
SL	MO
DISTRICT	SHEET NO.
SL	6
COUNTY JEFFERSON	
JOB NO. 125-15	
CONTRACT ID.	
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4TH SUBMITTAL	3/3/17

TRANSPORTATION
ENGINEERS+PLANNERS

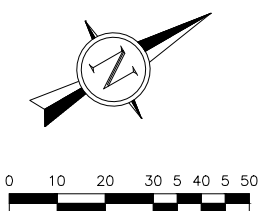
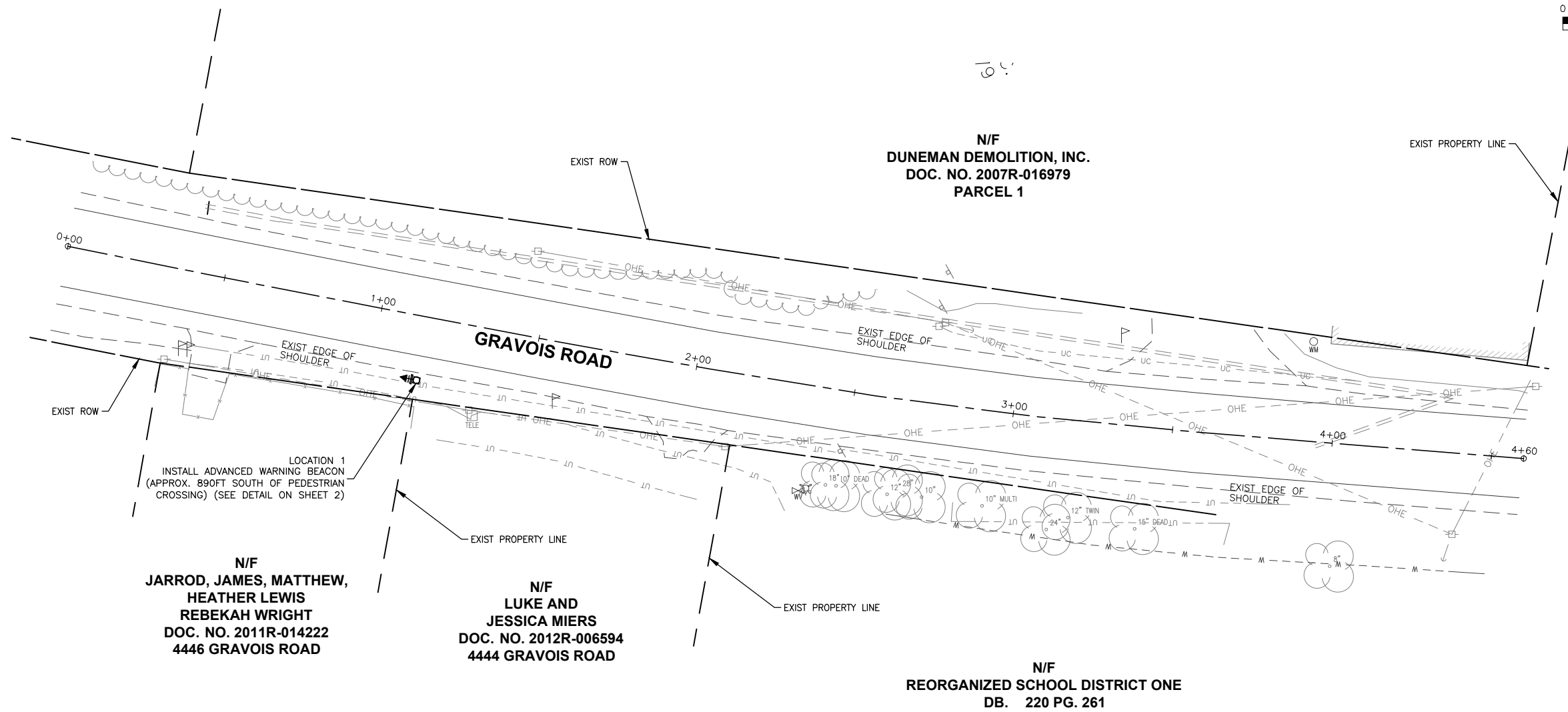
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ADVANCED WARNING BEACON
INSTALLATION
SUNRISE SCHOOL
SUNRISE SCHOOL ROAD
JEFFERSON COUNTY, MISSOURI

VALLEY MIDDLE SCHOOL
LOCATION 1



Corporate Engineering
Certificate # 000381

STATE OF MISSOURI
ROBERT M. TWILLMAN
NUMBER
PE-2008002222
PROFESSIONAL ENGINEER

CIVIL ENGINEER

DATE PREPARED
3/3/17

ROUTE	STATE
SL	MO

DISTRICT	SHEET NO.
SL	7

COUNTY
JEFFERSON

JOB NO.
125-15

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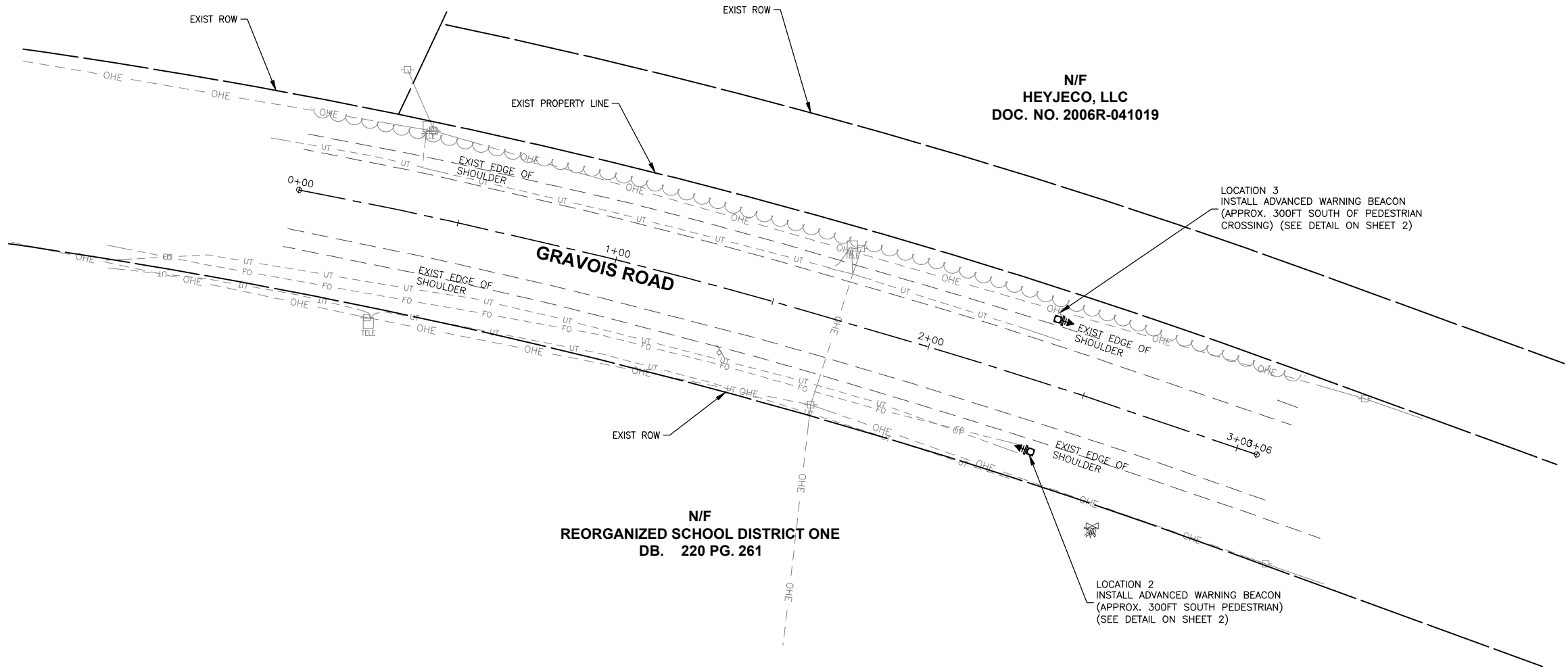
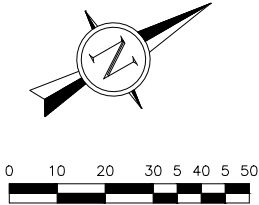
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ADVANCED WARNING BEACON
INSTALLATION
VALLEY MIDDLE SCHOOL
GRAVOIS ROAD
JEFFERSON COUNTY, MISSOURI

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

VALLEY MIDDLE SCHOOL
LOCATIONS 2 & 3



Corporate Engineering
Certificate # 000381

STATE OF MISSOURI
ROBERT M. TWILLMAN
NUMBER
PE-2008002222
PROFESSIONAL ENGINEER

CIVIL ENGINEER

DATE PREPARED
3/3/17

ROUTE	STATE
SL	MO
DISTRICT	SHEET NO.
SL	8
COUNTY JEFFERSON	
JOB NO. 125-15	
CONTRACT ID.	
PROJECT NO.	
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TRANSPORTATION
ENGINEERS+PLANNERS

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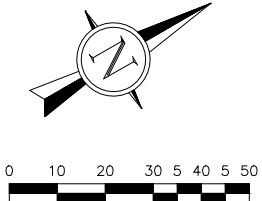
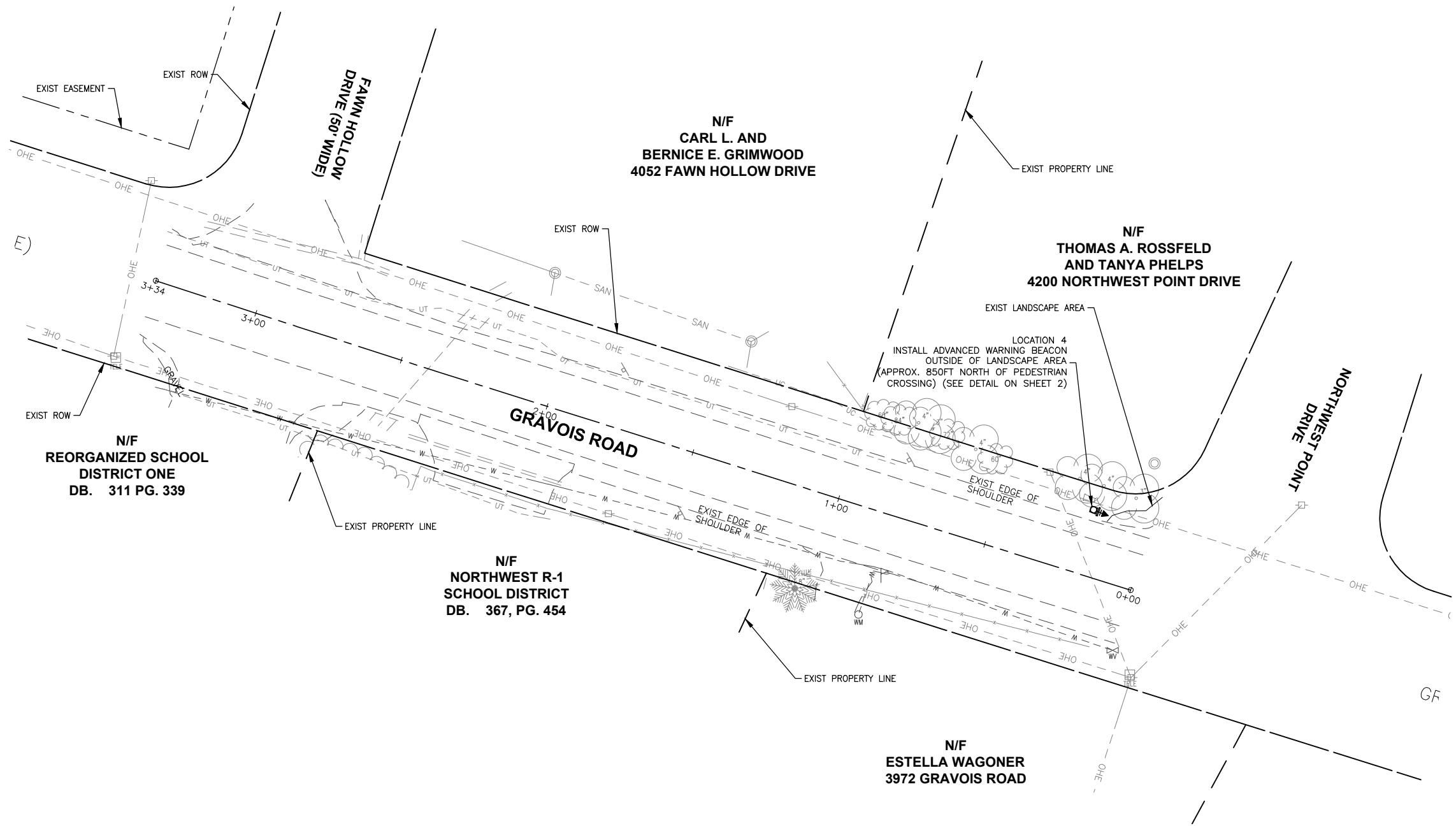
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CTB

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VALLEY MIDDLE SCHOOL
GRAVOIS ROAD
JEFFERSON COUNTY, MISSOURI

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VALLEY MIDDLE SCHOOL
LOCATION 4



Corporate Engineering
Certificate # 000381

STATE OF MISSOURI
ROBERT M. TWILLMAN
NUMBER
PE-2008002222
PROFESSIONAL ENGINEER

CIVIL ENGINEER

DATE PREPARED
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ROUTE STATE
SL MO

DISTRICT SHEET NO.
SL 9

COUNTY
JEFFERSON

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125-15

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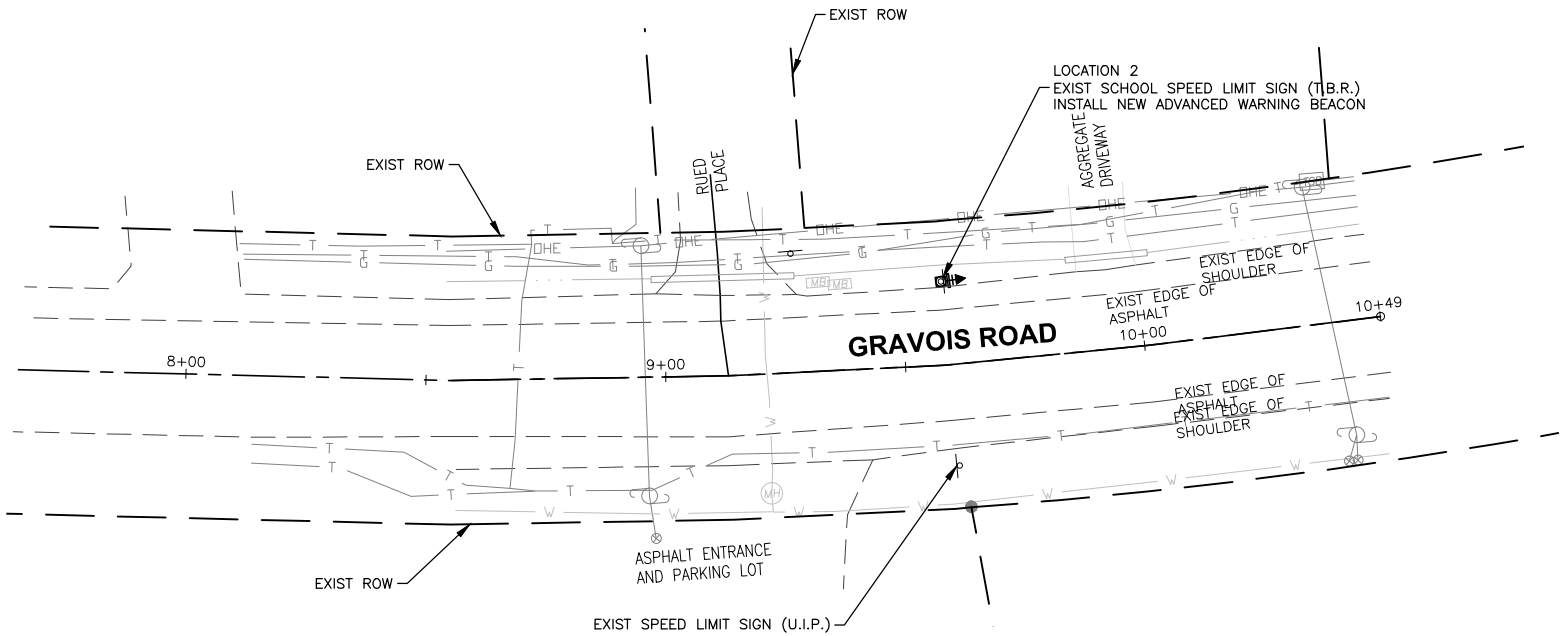
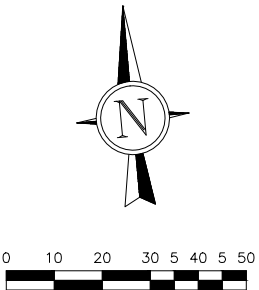
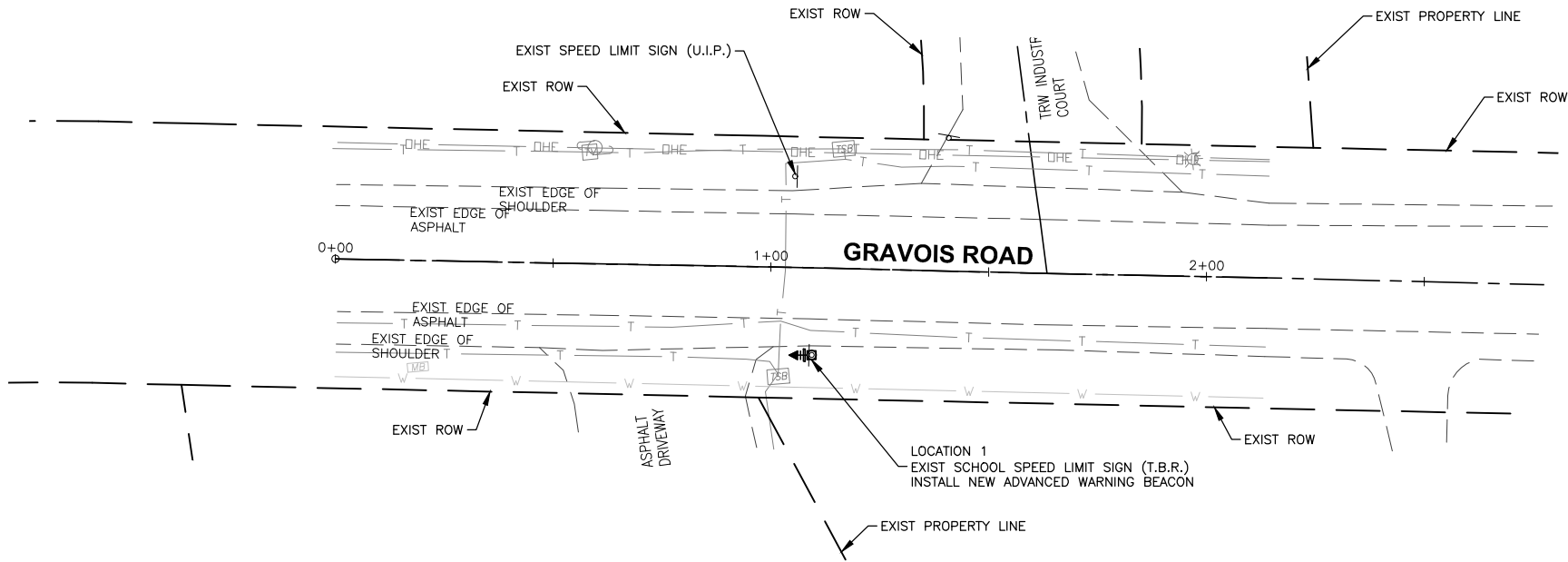
460 COTTONWOOD RD, SUITE B
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CTB

ADVANCED WARNING BEACON
INSTALLATION
VALLEY MIDDLE SCHOOL
GRAVOIS ROAD
JEFFERSON COUNTY, MISSOURI

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

WOODRIDGE SCHOOL
LOCATIONS 1 & 2



Corporate Engineering
Certificate # 000381

STATE OF MISSOURI

ROBERT M. TWILLMAN

NUMBER
PE-2008002222

PROFESSIONAL ENGINEER

CIVIL ENGINEER

DATE PREPARED
3/3/17

ROUTE
SL

STATE
MO

DISTRICT
SL

SHEET NO.
10

COUNTY
JEFFERSON

JOB NO.
125-15

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION
8/31/16	1ST SUBMITTAL
12/14/16	2ND SUBMITTAL
12/21/16	3RD SUBMITTAL
3/3/17	4TH SUBMITTAL

TRANSPORTATION
ENGINEERS+PLANNERS

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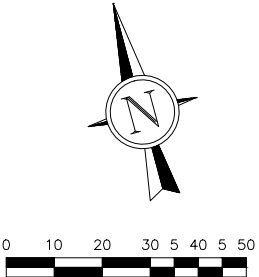
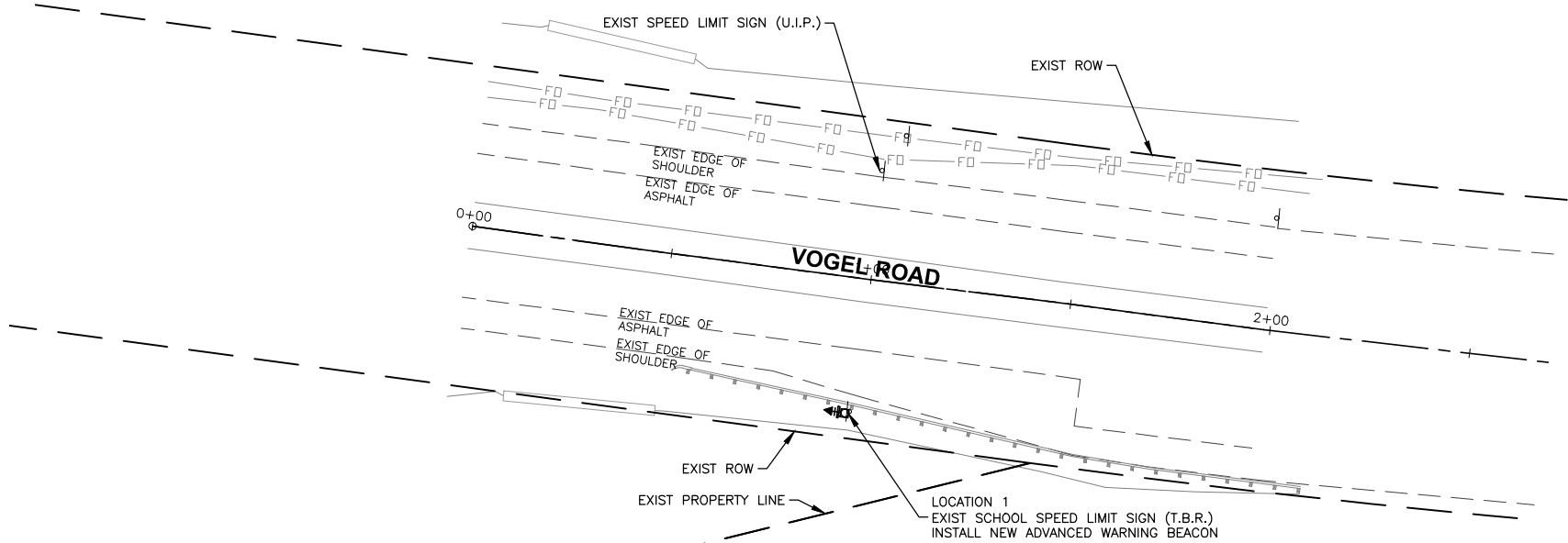
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ADVANCED WARNING BEACON
INSTALLATION
WOODRIDGE SCHOOL

GRAVOIS ROAD
JEFFERSON COUNTY, MISSOURI

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SIMPSON SCHOOL
LOCATIONS 1 & 2



Corporate Engineering
Certificate # 000381

STATE OF MISSOURI
ROBERT M. TWILLMAN
NUMBER
PE-2008002222

CIVIL ENGINEER

DATE PREPARED
3/3/17

ROUTE SL STATE MO DISTRICT SL SHEET NO. 11

COUNTY JEFFERSON

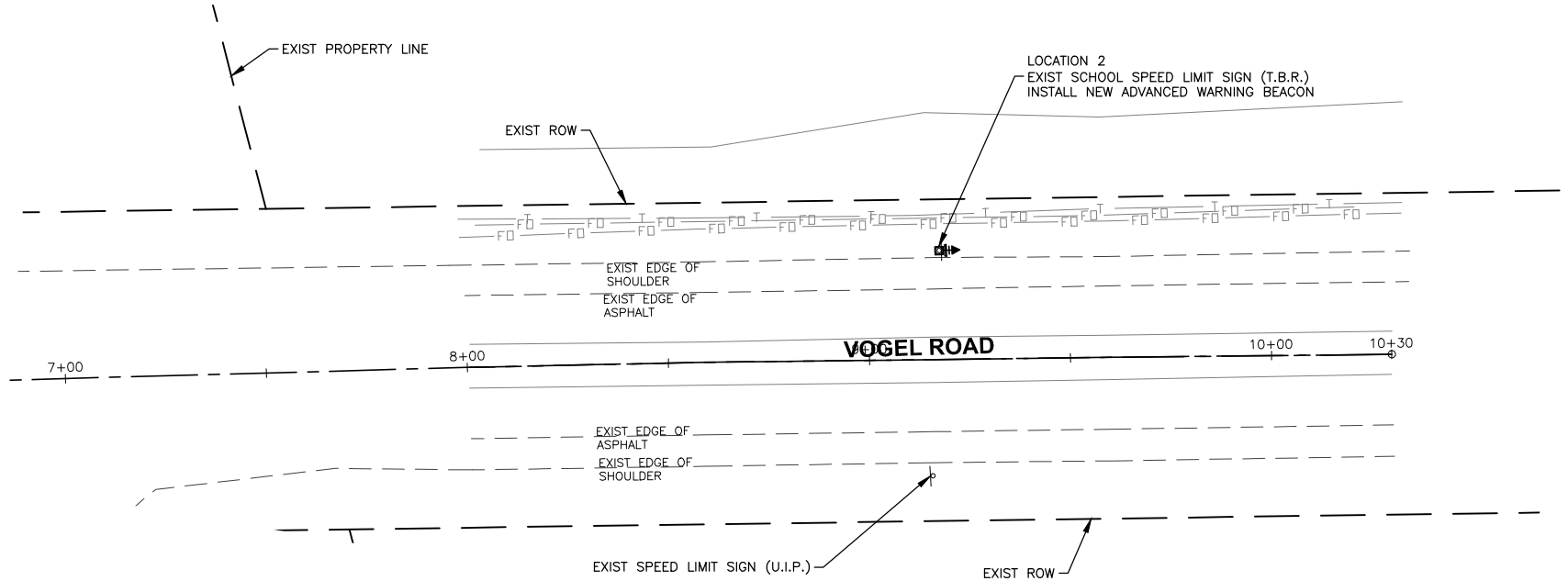
JOB NO. 125-15

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION
8/31/16	1ST SUBMITTAL
12/14/16	2ND SUBMITTAL
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3/3/17	4TH SUBMITTAL



TRANSPORTATION
ENGINEERS+PLANNERS

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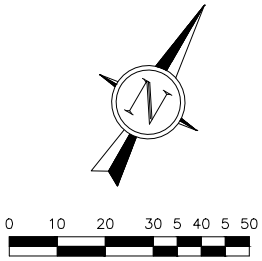
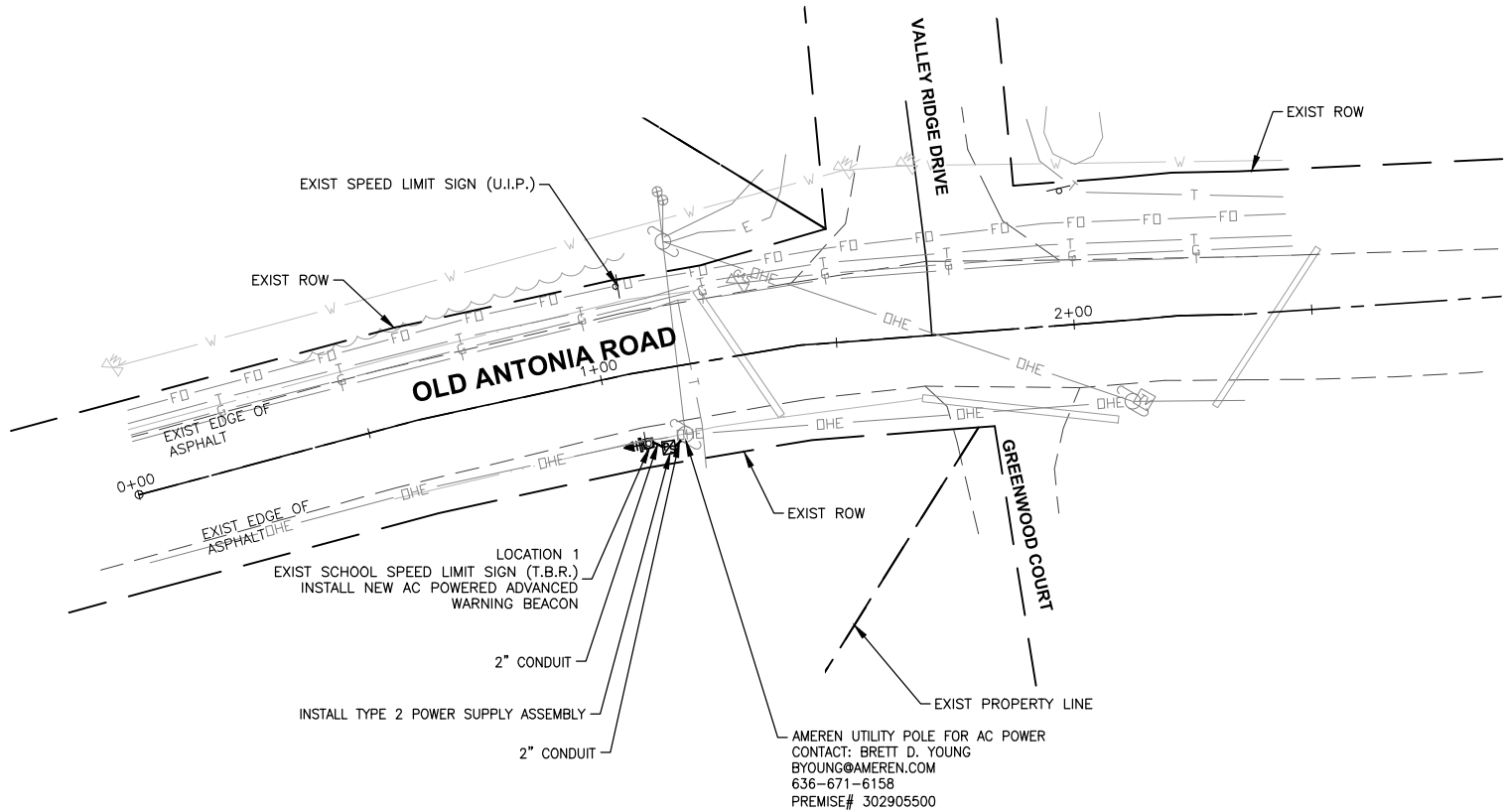
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ADVANCED WARNING BEACON
INSTALLATION
SIMPSON SCHOOL
CEDAR HILL ROAD
JEFFERSON COUNTY, MISSOURI

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ST. JOSEPH SCHOOL
LOCATIONS 1 & 2



Corporate Engineering
Certificate # 000381

STATE OF MISSOURI
ROBERT M. TWILLMAN
NUMBER
PE-2008002222
PROFESSIONAL ENGINEER

CIVIL ENGINEER

DATE PREPARED
3/3/17

ROUTE SL STATE MO

DISTRICT SL SHEET NO. 12

COUNTY JEFFERSON

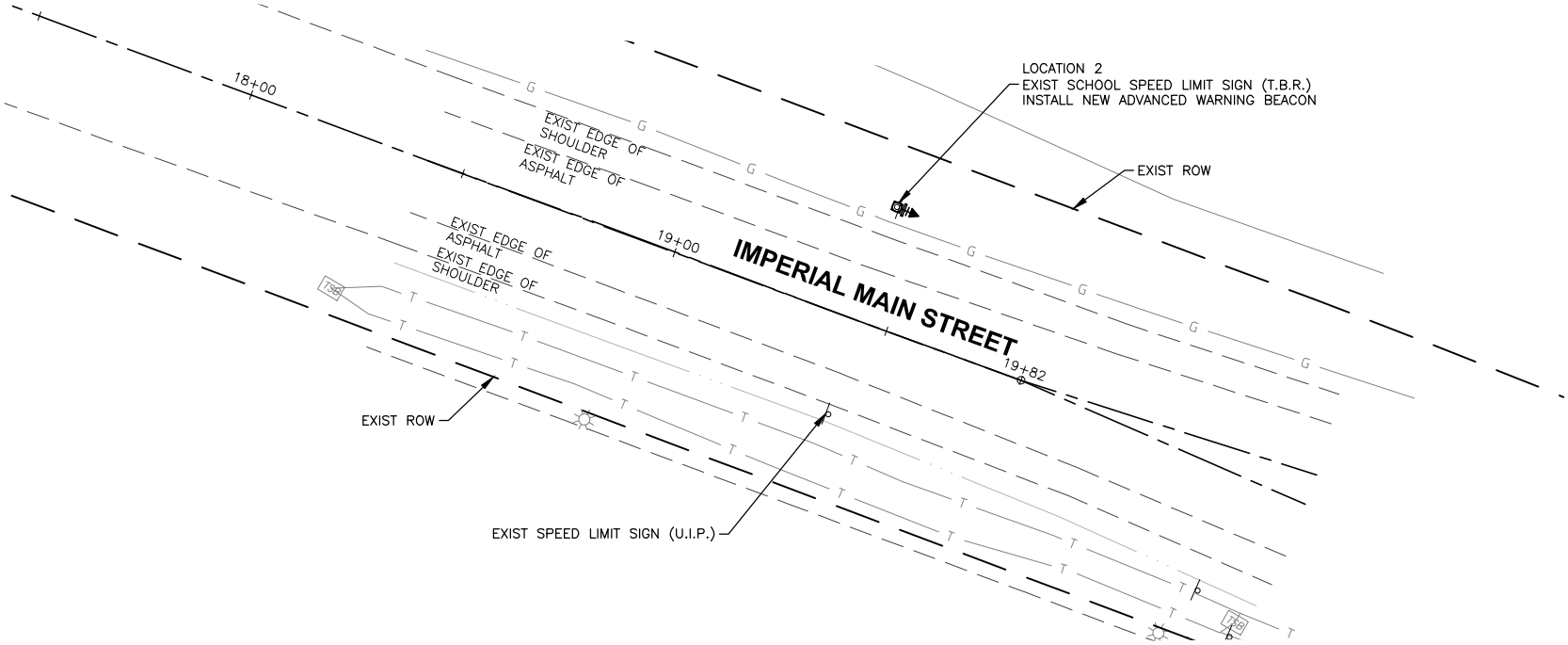
JOB NO.
125-15

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION
8/31/16	1ST SUBMITTAL
12/14/16	2ND SUBMITTAL
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3/3/17	4TH SUBMITTAL



TRANSPORTATION
ENGINEERS+PLANNERS

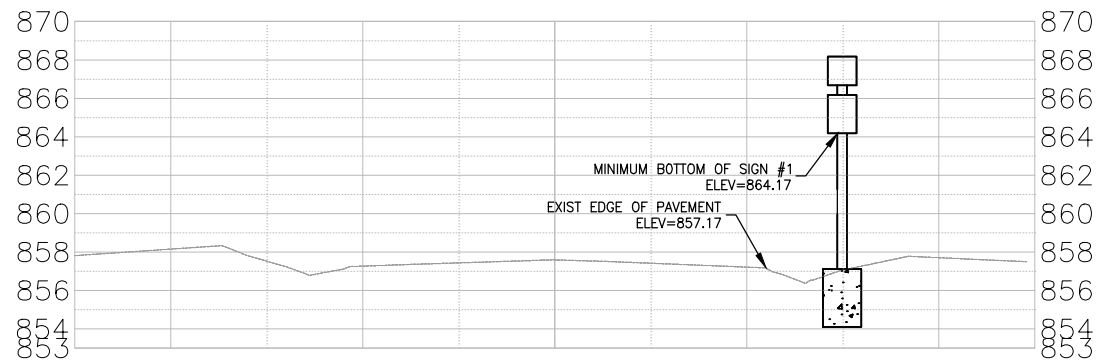
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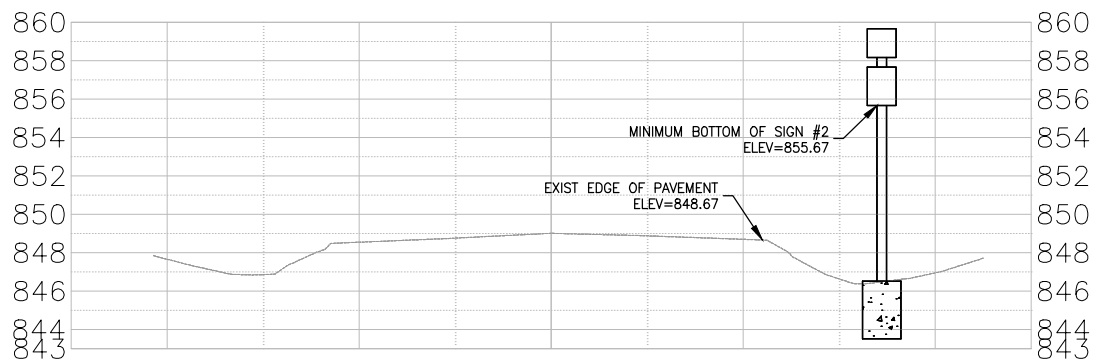
CTB

ADVANCED WARNING BEACON
INSTALLATION
ST. JOSEPH SCHOOL
GRAVOIS ROAD
JEFFERSON COUNTY, MISSOURI

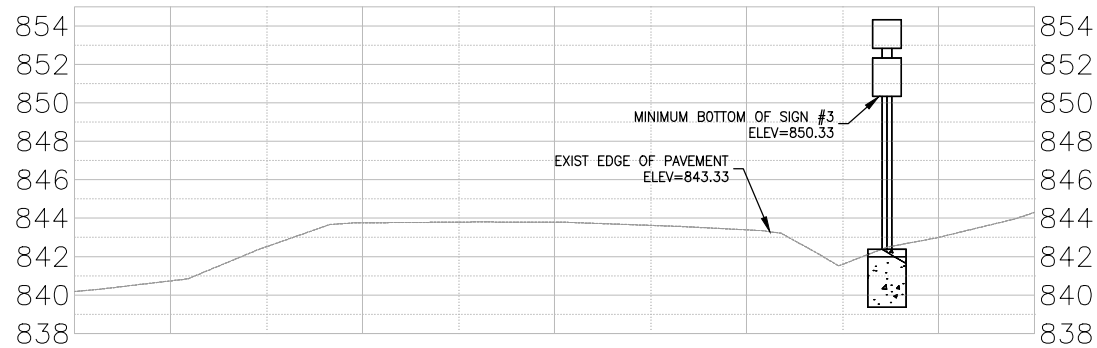
SUNRISE SCHOOL CROSS SECTIONS



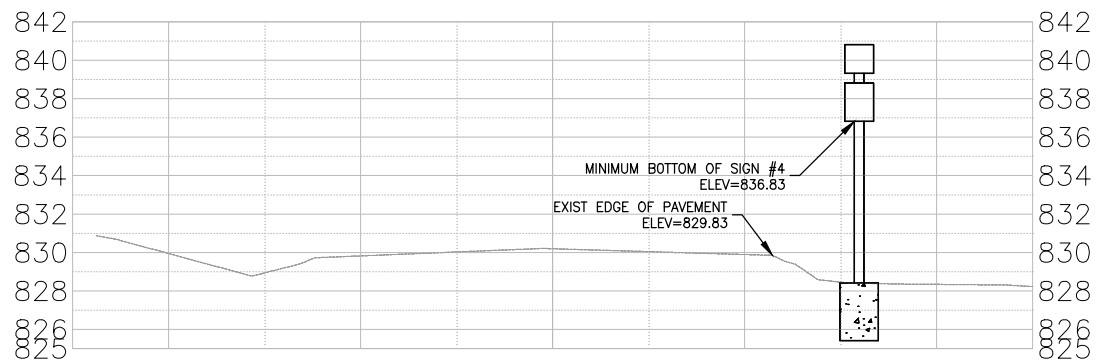
LOCATION 1



LOCATION 2



LOCATION 3



LOCATION 4

Corporate Engineering
Certificate # 000381

STATE OF MISSOURI

ROBERT M. TWILLMAN

NUMBER
PE-2008002222

PROFESSIONAL ENGINEER

CIVIL ENGINEER

DATE PREPARED
3/3/17

ROUTE

STATE

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DISTRICT

SHEET NO.

SL

13

COUNTY
JEFFERSON

JOB NO.
125-15

CONTRACT ID.

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8/31/16

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12/14/16

3RD SUBMITTAL

12/21/16

4TH SUBMITTAL

3/3/17

TRANSPORTATION
ENGINEERS+PLANNERS

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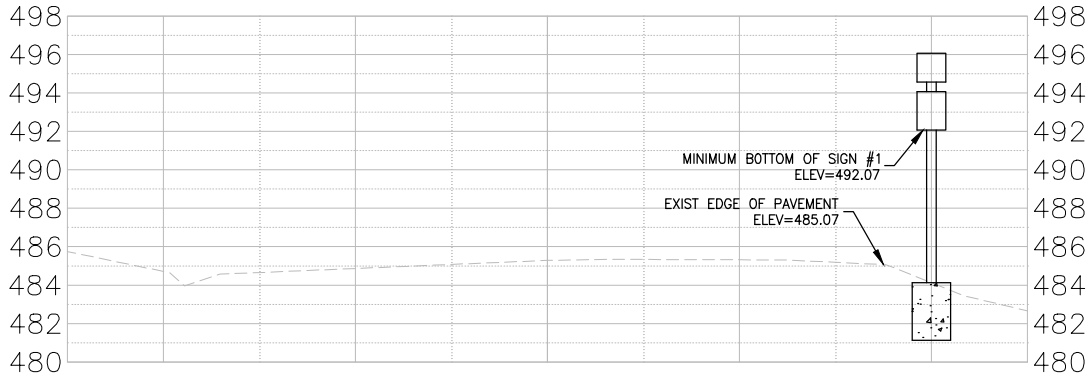
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CROSS SECTIONS
SUNRISE SCHOOL

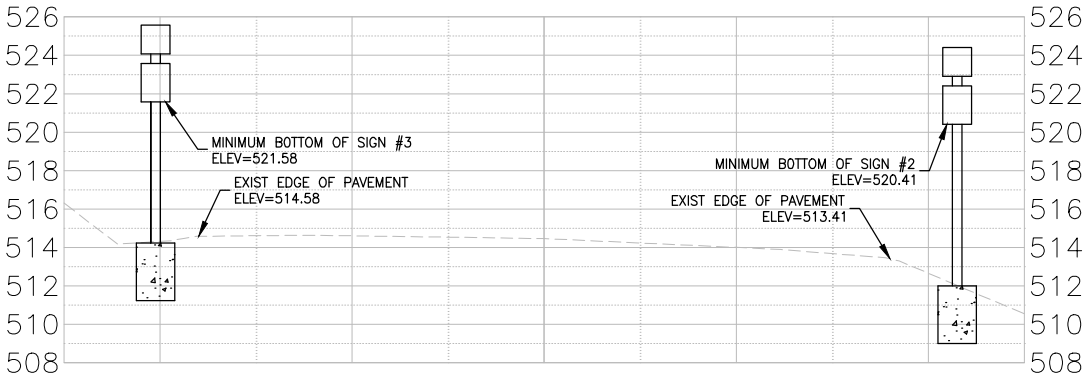
JEFFERSON COUNTY, MISSOURI

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VALLEY MIDDLE SCHOOL CROSS SECTIONS



LOCATION 1



LOCATION 2 & 3



LOCATION 4

Corporate Engineering
Certificate # 000381

STATE OF MISSOURI

ROBERT M.
TWILLMAN

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PE-2008002222

PROFESSIONAL ENGINEER

CIVIL ENGINEER

DATE PREPARED
3/3/17

ROUTE STATE
SL MO

DISTRICT SHEET NO.
SL 14

COUNTY
JEFFERSON

JOB NO.
125-15

CONTRACT ID.

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TRANSPORTATION
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CB

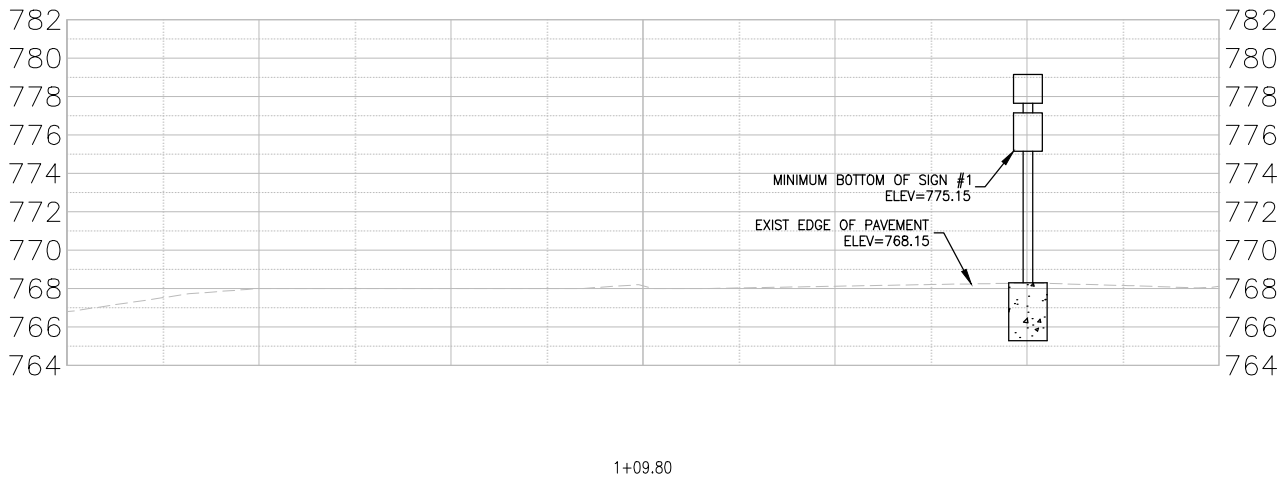
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CROSS SECTIONS
VALLEY MIDDLE SCHOOL

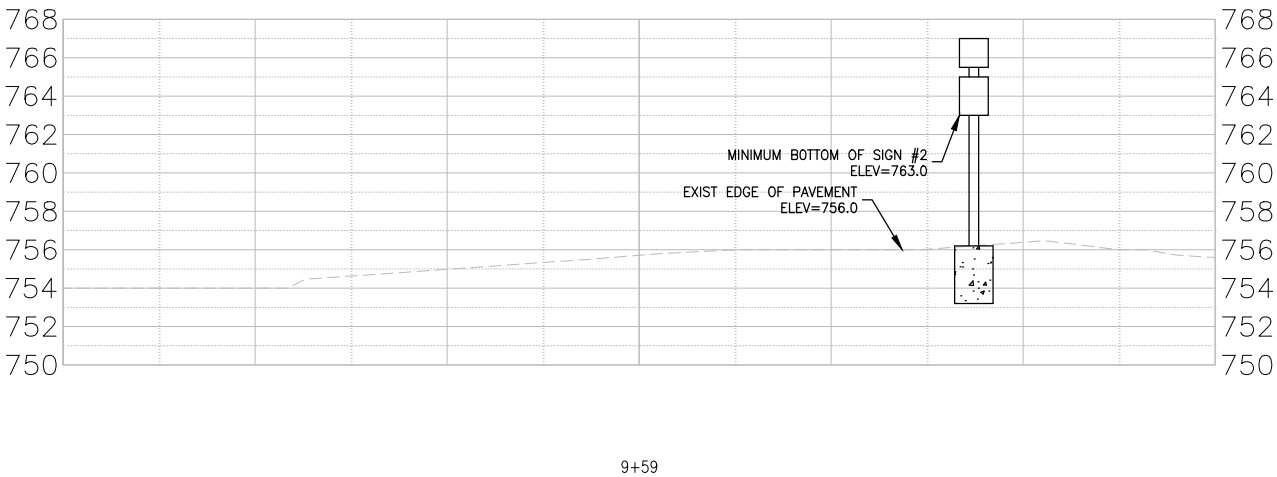
JEFFERSON COUNTY, MISSOURI

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

WOODRIDGE SCHOOL CROSS SECTIONS



LOCATION 1



LOCATION 2

Corporate Engineering
Certificate # 000381

STATE OF MISSOURI

ROBERT M. TWILLMAN

NUMBER
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PROFESSIONAL ENGINEER

CIVIL ENGINEER

DATE PREPARED
3/3/17

ROUTE

STATE
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DISTRICT
SL

SHEET NO.
15

COUNTY
JEFFERSON

JOB NO.
125-15

CONTRACT ID.

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DATE	DESCRIPTION
8/31/16	1ST SUBMITTAL
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3/3/17	4TH SUBMITTAL

TRANSPORTATION
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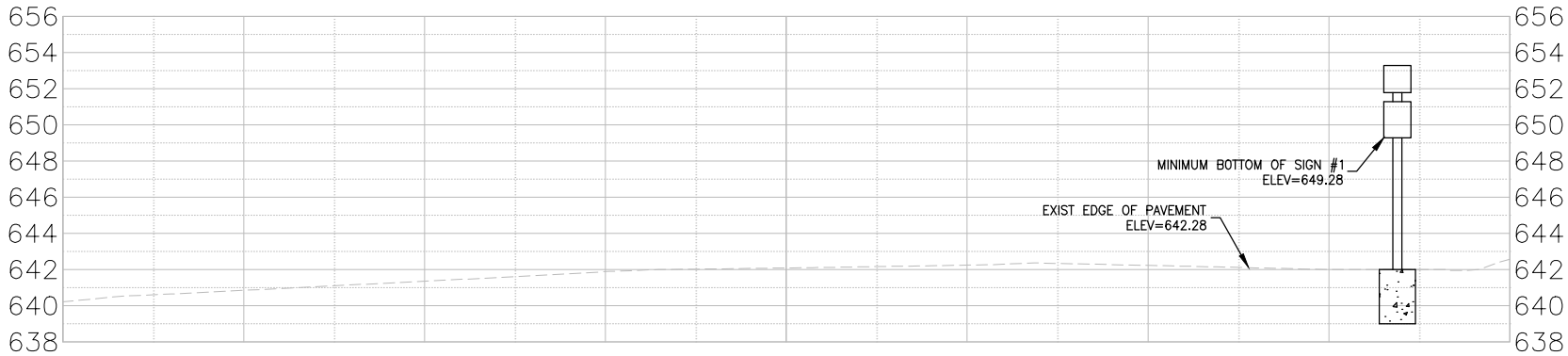
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CROSS SECTIONS
WOODRIDGE SCHOOL

JEFFERSON COUNTY, MISSOURI

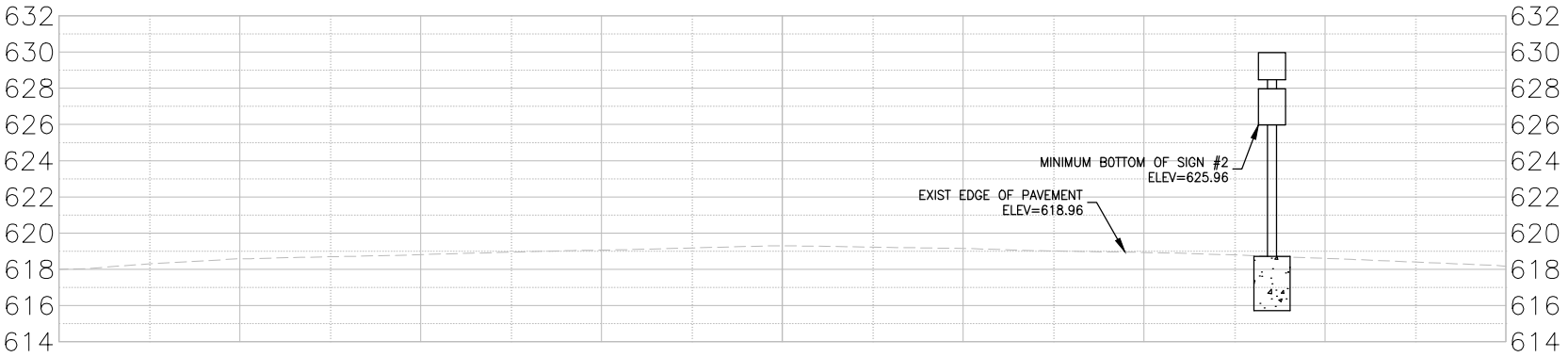
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

SIMPSON SCHOOL CROSS SECTIONS



0+97.84

LOCATION 1



9+17.65

LOCATION 2

Corporate Engineering
Certificate # 000381



CIVIL ENGINEER

DATE PREPARED
3/3/17

ROUTE STATE
SL MO

DISTRICT SHEET NO.
SL 16

COUNTY
JEFFERSON

JOB NO.
125-15

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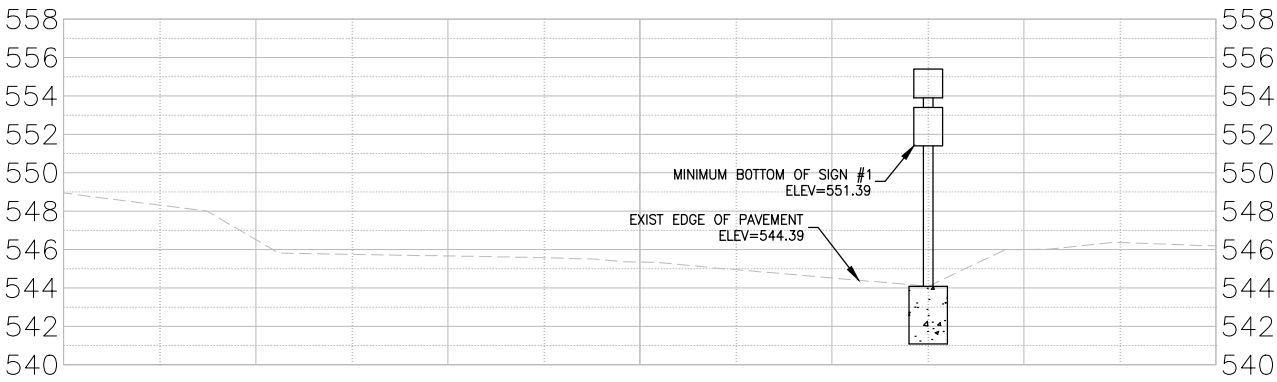
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CROSS SECTIONS
SIMPSON SCHOOL

JEFFERSON COUNTY, MISSOURI

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

ST. JOSEPH SCHOOL CROSS SECTIONS



1+07.55

LOCATION 1



19+42.63

LOCATION 2

Corporate Engineering
Certificate # 000381



CIVIL ENGINEER

DATE PREPARED
3/3/17

ROUTE STATE
MO

DISTRICT SHEET NO.
SL 17

COUNTY
JEFFERSON

JOB NO.
125-15

CONTRACT ID.

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TRANSPORTATION
ENGINEERS+PLANNERS

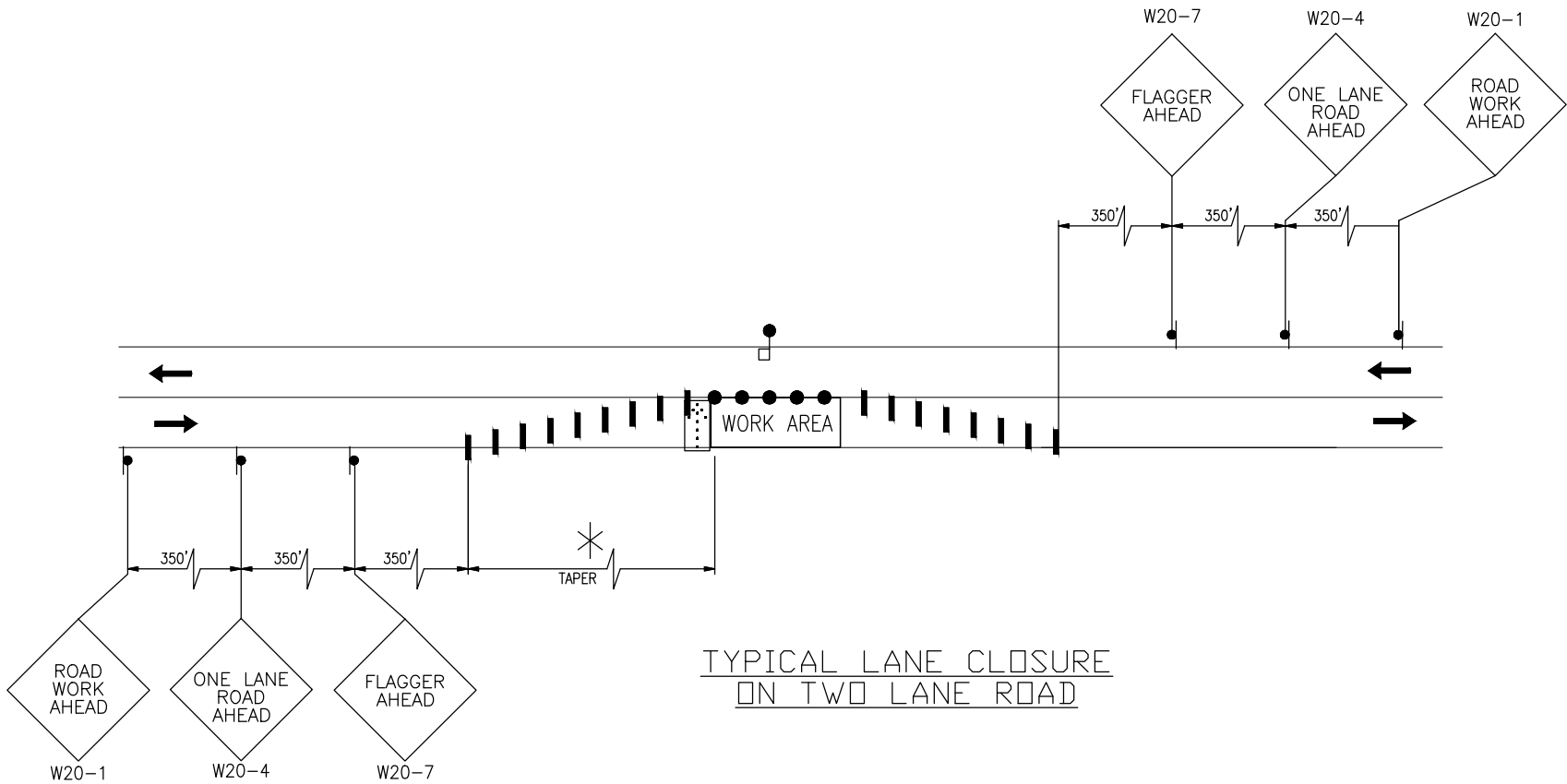
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CROSS SECTIONS
ST. JOSEPH SCHOOL

JEFFERSON COUNTY, MISSOURI

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* TAPER TABLE		
POSTED SPEED LIMIT (MPH)	MINIMUM TAPER LENGTH (feet)	MINIMUM NO. CHANNELIZERS AT MAX.SPACES IN TAPER
25	125	5 at 25'
30	180	6 at 30'
35	250	7 at 35'
40	325	8 at 40'
45	550	12 at 45'
50	600	12 at 50'
55	660	12 at 55'
Data from U.S.DoT Manual on Uniform Traffic Control Devices part VI(Latest Rev.)		

* THE TAPER LENGTH SHALL BE DETERMINED PER POSTED SPEED LIMITS PRIOR TO CONSTRUCTION. THE CHANNELIZER QUANTITIES SHOWN HAVE BEEN DETERMINED FOR THE MAXIMUM TAPER LENGTH AND 100' WORK AREA LENGTH.

- LEGEND
- CONSTRUCTION SIGN
- FLASHING ARROW PANEL
- CHANNELIZER DRUM
- DIRECTIONAL INDICATOR BARRICADE WITH LIGHT
- FLAGGER

NOT TO SCALE

NOTES:

1. TRAFFIC CONTROL SHALL BE MAINTAINED IN ACCORDANCE WITH THE CURRENT EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
2. TEMPORARY PAVEMENT MARKINGS SHALL BE CONSIDERED AS INCIDENTAL TO THE CONSTRUCTION OF THE PROJECT AND NO DIRECT PAYMENT WILL BE MADE FOR THIS ITEM. PAVEMENT MARKINGS SHALL BE MAINTAINED IN ACCORDANCE WITH THE MUTCD. INTERIM PAVEMENT MARKINGS MAY BE LEFT IN PLACE FOR SITUATIONS OF TWO WEEKS OR LESS.
3. CHANNELIZERS SHALL BE PLACED EVERY 20 FEET UNLESS SHOWN OTHERWISE ON THE PLANS. A MINIMUM 10 FOOT WIDE DRIVING LANE SHALL BE MAINTAINED. CHANNELIZERS SHALL BE PLACED IN OPEN TRENCH DURING NON-WORKING HOURS.
4. IF AN OPEN TRENCH CONDITION WILL REMAIN OPEN OVERNIGHT, "PAVEMENT EDGE TREATMENT" SHALL BE PROVIDED.
5. ALL SPACING AND DISTANCES ARE APPROXIMATE AND MAY BE ADJUSTED BY THE ENGINEER TO FIT FIELD CONDITIONS.
6. USE A FLAGGER WHEN MOVING EQUIPMENT ON AND OFF THE ROADWAY, OTHERWISE OPTIONAL.
7. PORTABLE STOP SIGNS WILL BE REQUIRED ON ALL APPROACHES DURING TRAFFIC SIGNAL "DOWN TIME".
8. JEFFERSON COUNTY PROJECT ENGINEER MUST APPROVE PRIOR TO ANY LANE CLOSURES.
9. ALL VEHICLES, EQUIPMENT, WORKERS AND THEIR ACTIVITIES SHALL BE RESTRICTED TO ONE SIDE OF THE PAVEMENT.
10. CONTRACTOR SHALL COVER EXISTING SIGNS THAT CONFLICT WITH THE TRAFFIC CONTROL PLAN.
11. USE CHANNELIZERS FOR DAY AND NIGHT TIME OPERATION.
12. NO DIRECT PAYMENT WILL BE MADE FOR RELOCATING SIGNS, CHANNELIZERS OR ARROW PANELS.
13. NO OVER NIGHT LANE CLOSURES WILL BE PERMITTED

Corporate Engineering
Certificate # 000381

CIVIL ENGINEER

DATE PREPARED
3/3/17

ROUTE
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STATE
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DISTRICT
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SHEET NO.
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COUNTY
JEFFERSON

JOB NO.
125-15

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

TRANSPORTATION
ENGINEERS+PLANNERS

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TRAFFIC CONTROL PLAN

SUNRISE SCHOOL ADVANCED
WARNING BEACON
JEFFERSON COUNTY, MISSOURI

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