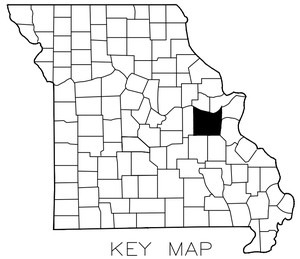


KEY MAP
SHOWING LOCATION OF FRANKLIN COUNTY

CUMBERLAND WAY CURB & SIDEWALK
(SPRINGFIELD RD. TO WAL-MART DR.)
PROJECT #17006

City of Sullivan
Franklin County, MO.
Springfield Rd. - Wal-Mart Drive

DESIGN DESIGNATION

FUCTIONAL CLASSIFICATION = NA
A.D.T. 2017 = NA
DESIGN SPEED = NA
% TRUCKS = NA

LENGTH OF PROJECT

NET LENGTH OF PROJECT = 1,150 L.F. +/-

SHEET INDEX

DESCRIPTION	SHEET NO.
TITLE SHEET	1
PLAN & DETAILS	2
DETAILS	3

CITY COUNCIL

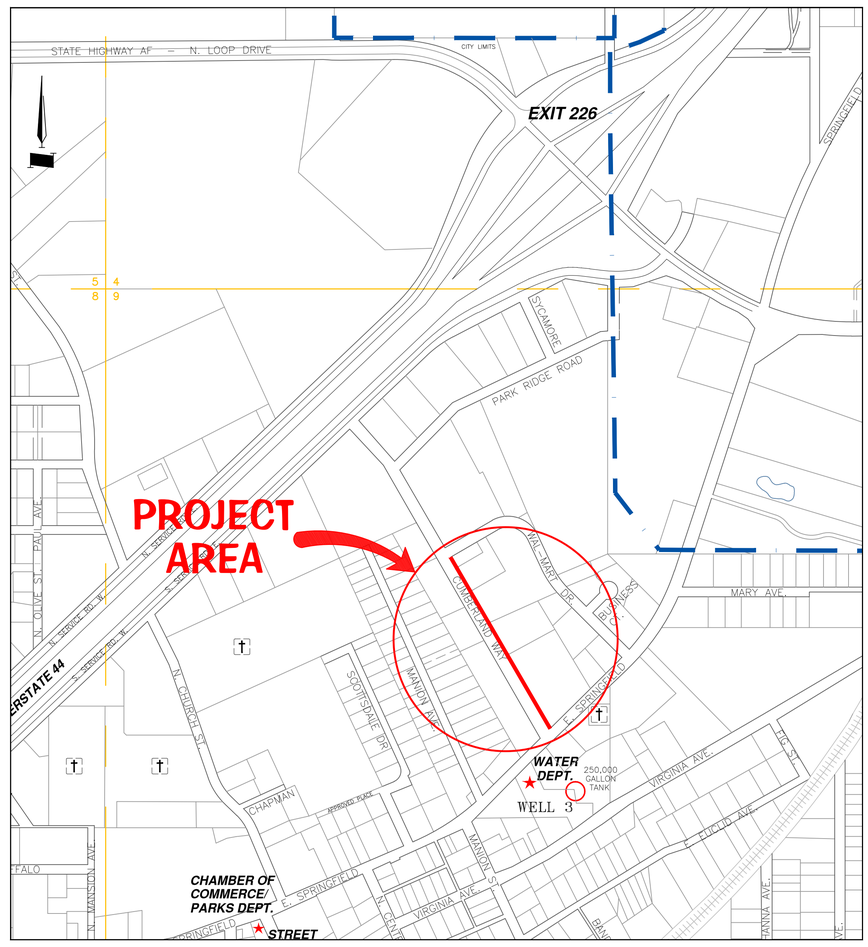
Dennis Watz, Mayor
Tony Wessler, Ward I Alderman
Mark Dalton, Ward I Alderman
T.J. Carey, Ward II Alderman
Jason Alexander, Ward II Alderman
Paul McCulloch, Ward III Alderman
Bobby Maupin, Ward III Alderman

CITY ADMINISTRATOR

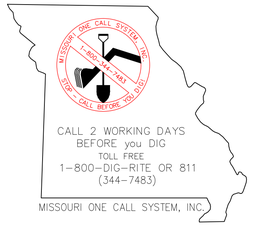
J.T. Hardy

DIRECTORY

CITY ENGINEERING DEPARTMENT Robert Schaffer, P.E., City Engineer	(573) 468-8965
CITY BUILDING DEPARTMENT Dan King, Code Administrator	(573) 468-8965
CITY STREET DEPARTMENT Larry Cuneio, Street Commissioner	(573) 468-4912
CITY WATER & SEWER DEPARTMENT John Garner, Water & Sewer Commissioner	(573) 468-4812
CITY ELECTRIC DEPARTMENT Joe Thurmond, Electric Commissioner	(573) 468-4712
CITY PARKS & RECREATION DEPARTMENT David Wall, Parks Director	(573) 468-5216
MISSOURI NATURAL GAS CO.	(800) 675-6577
MOGAS PIPELINE, LLC	(800) 282-4916
CHARTER CABLE TELEVISION	(636) 239-2197
FIDELITY TELEPHONE CO.	(573) 468-8081



PROJECT LOCATION MAP



ABBREVIATIONS

ASPH.	ASPHALT
CL or ℄	CENTER LINE
CLR	CLEAR
CONC.	CONCRETE
DIP	DUCTILE IRON PIPE
ELEV. or EL.	ELEVATION
EX.	EXISTING
FL	FLOWLINE
FT	FEET
HORIZ.	HORIZONTAL
I.D.	INSIDE DIAMETER
LF	LINEAL FEET
LH	LAMPHOLE
LR	LONG RADIUS
MAX.	MAXIMUM
MH	MANHOLE
MIN.	MINIMUM
MJ	MECHANICAL JOINT
NO.	NUMBER
N.T.S.	NOT TO SCALE
O.C.	ON CENTER
PL	PROPERTY LINE
PVMT.	PAVEMENT
R or RAD.	RADIUS
REINF.	REINFORCING
SAN.	SANITARY
SHT	SHEET
STRUC.	STRUCTURE
T.B.R.	TO BE REMOVED
TYP.	TYPICAL
U.I.P.	USE IN PLACE
VERT.	VERTICAL
W/	WITH

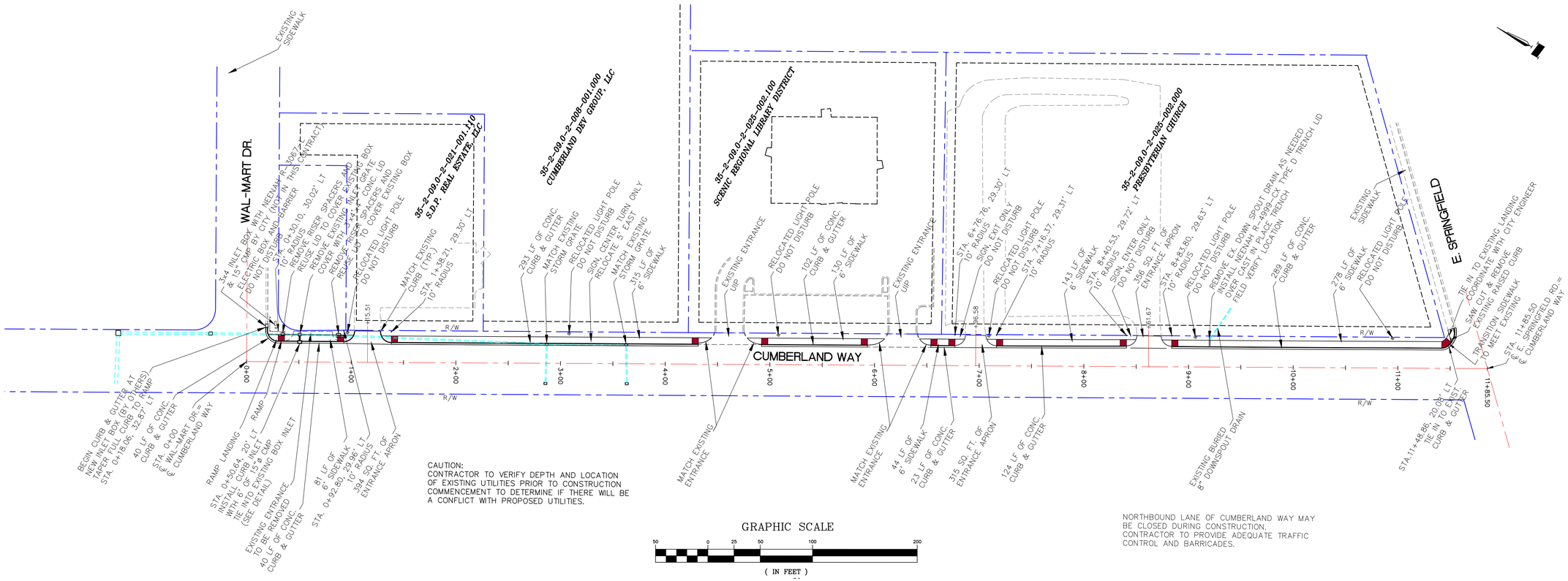
REVISIONS BY

PROJECT FOR:
CUMBERLAND WAY CURB and SIDEWALK
SULLIVAN, MISSOURI

TITLE SHEET

SULLIVAN MISSOURI
"Values and Tradition - Vision and Progress"
210 W. WASHINGTON
SULLIVAN, MO. 63080
PH: 573-468-8965
FAX: 573-468-8964
www.sullivan.mo.us
sullivanmissouri
@CityofSullivan

DRAWN BY: DG
CHECKED BY: RS
DATE: 6/06/2018
SCALE: NTS
PROJECT No. 17006
FILE: 17006T1
SHEET 1 OF 3 SHEETS



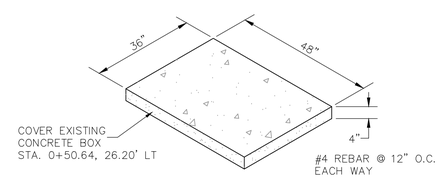
NOTES:

12:1 SLOPE ON ALL CONCRETE CURB RAMPS, PROVIDE A LANDING THE SAME WIDTH AS CURB RAMP AND 6' LONG ADJACENT TO CURB RAMP WITH MAXIMUM 2% SLOPE IN ANY DIRECTION.

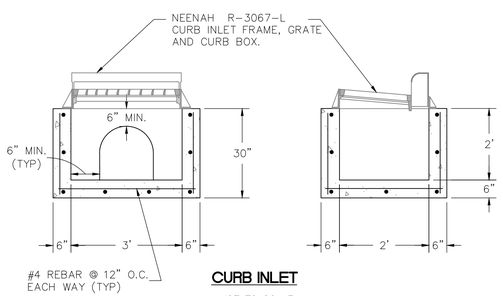
TINTED COCNRETE (AS PER STANDARD SPECIFICATION 1056) SHALL BE USED ON CURB RAMP ONLY.

CONCRETE FOR ENTRANCES SHALL BE 6" THICK, 8 BAG HIGH EARLY MIX

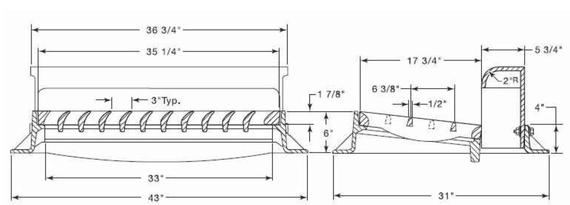
CONCRETE FOR SIDEWALK SHALL BE 4" THICK, 3,000 PSI MIN.



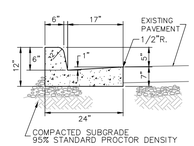
CONCRETE BOX LID DETAIL
N.T.S.



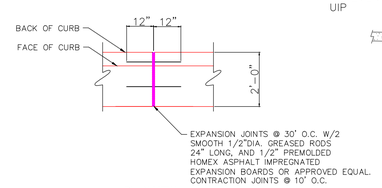
CURB INLET
NOT TO SCALE



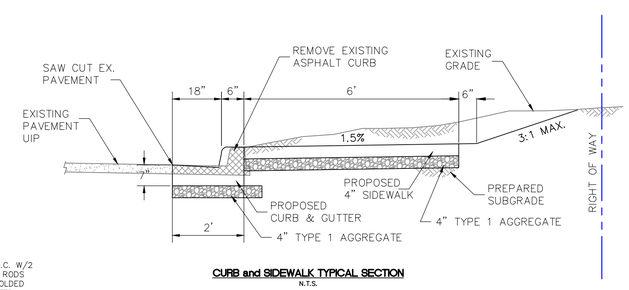
NEENAH R-3067-L DETAIL
N.T.S.



TYPICAL CURB DETAIL
N.T.S.



PLAN VIEW
N.T.S.



CURB and SIDEWALK TYPICAL SECTION
N.T.S.

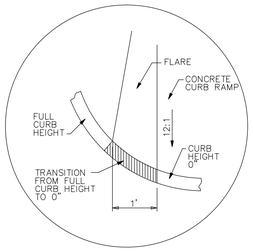
REVISIONS	BY

PROJECT FOR:
CUMBERLAND WAY CURB and SIDEWALK
SULLIVAN, MISSOURI

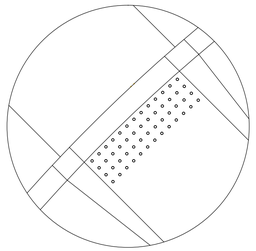
PLAN

SULLIVAN MISSOURI
" Values and Tradition – Vision and Progress "
210 W. WASHINGTON
SULLIVAN, MO 63080
PH: 573-468-8965
FAX: 573-468-8964
www.sullivan.mo.us
sullivanmissouri
@cityofSullivan

DRAWN BY:	DG
CHECKED BY:	RS
DATE:	JUN. 6, 2018
SCALE:	1"= 50'
PROJECT No.	17006
FILE:	17006base.dwg
SHEET	2 OF 3 SHEETS



DETAIL A

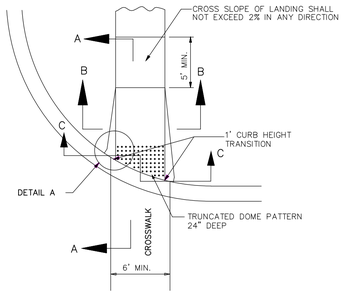


DETAIL B

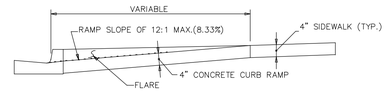
GENERAL NOTES:

12:1 SLOPE ON ALL CONCRETE CURB RAMPS, PROVIDE A LANDING THE SAME WIDTH AS CURB RAMP AND 5' LONG ADJACENT TO CURB RAMP WITH MAXIMUM 2% SLOPE IN ANY DIRECTION.

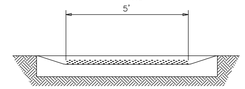
CAST IN PLACE PANEL FOR TRUNCATED DOMES.



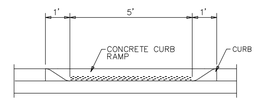
CONCRETE SIDEWALK AND CURB RAMPS



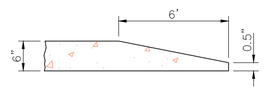
SECTION A–A
NTS



SECTION B–B



SECTION C–C



CURB TERMINUS DETAIL

R-4999

HEAVY DUTY BOLTED TRENCH WITH DEBRIS CHUTE

Materials: All frames and grates/lids are furnished standard in gray iron, meeting ASTM A48 Class 35-B for heavy-duty use. For extra heavy-duty use or superior durability requirements, see our ductile iron Airport and Port Grating Series on pages 286.

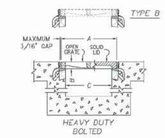
Neenah recommends project designers avoid the use of light duty trench installations because it is likely that applications will be subjected to heavy delivery vehicle traffic at some time. Furthermore, the use of a site could be changed to heavy duty use patterns at some unanticipated future date.

*Patented

Dimensions in inches

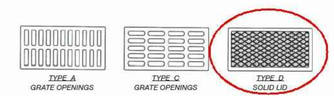
Bolted Catalog No.	A	B	C	Type A	Type C	Type D	Type E	Type P	Type Q
R-4999-AX	8	1 1/2	6	x	x	x	x	x	
R-4999-BX	10	1 1/2	8	x	x	x	x	x	
R-4999-CX	12	1 1/2	10	x	x	x	x	x	x
R-4999-DX	14	1 1/2	12	x	x	x	x	x	x
R-4999-EX	17	1 1/2	15	x	x	x	x	x	
R-4999-FX	20	1 1/2	18	x	x	x	x	x	
R-4999-GX	23	1 1/2	21	x	x*	x			
R-4999-HX	26	1 1/2	24	x	x*	x	x		x
R-4999-JX	30	2	27	x	x	x			
R-4999-KX	33	2	30	x	x	x*	x		
R-4999-LX	36	2	33	x	x	x*			
R-4999-MX	39	2	36	x	x*	x			
R-4999-NX	45	2	42	x	x*	x			
R-4999-OX	51	2	48	x		x*			

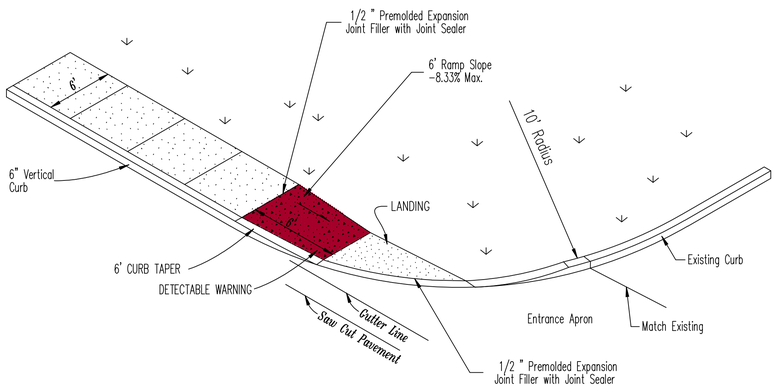
x - Indicates availability.
* Deep Ribs (consult shop drawing for dimensions).
Deep Ribs = "B" dimension times 2 or greater.



General schematic shown may not apply to all designs. Bar and rib depths, plate thicknesses, and seating widths vary on different sizes and styles. If your project has design restrictions, contact your sales representative or product engineering.

Illustrating Type C bolted trench. Bolted trench sections are furnished in 24" standard lengths. When bolted trench is furnished, they are shipped assembled – AT NO TIME should the units be disassembled during installation. When removing covers, do not mix or rotate 180 degrees as bolt holes may lose alignment and improper bearing may occur.





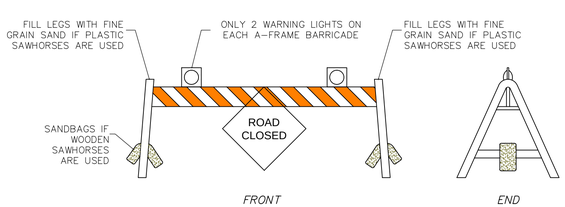
AT DRIVEWAYS

Sidewalk at Back of Curb

STRAIGHT CURB RAMP - 6" VERTICAL CURB (TYPE 1)

GENERAL NOTES

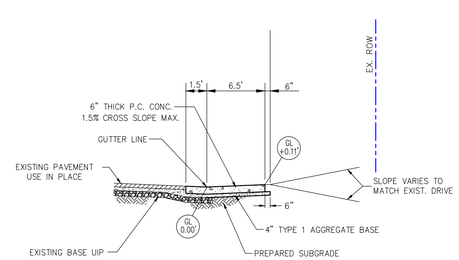
1. Do not scale drawing. Follow dimensions.
2. Sidewalks and sidewalk curb ramps shall be constructed in accordance with these details and the current approved "Americans with Disabilities Act Accessibility Guidelines" (ADAAG)
3. Minimum sidewalk width along 6" vertical curb shall be 6 feet.
4. Maximum sidewalk cross slope 0.02'/ft..
5. All sidewalk sections shall be 4" thick. All sidewalk sections and curb ramps, regardless of thickness, shall be paid for as "Concrete Sidewalk."
6. Where curb ramp meets pavement, bullnose will not be permitted.
7. Construct a diagonal ramp when the maximum corner radius allowed for a straight ramp is exceeded.
8. If monolithic concrete curb is constructed, strike a dummy joint across bottom of ramp at curb line. If concrete curb is doweled-on, block out pavement to provide full depth curb across ramp from outer point of curb taper to outer point of curb taper.
9. For pavement longitudinal and transverse joints and tie bar requirements and dimensions, refer to the Pavement Construction Details for "Joints and Curbs," Std. Dwg. C502.03.
10. All curb ramps shall have a detectable warning complying with "Americans with Disabilities Act Accessibility Guidelines" (ADAAG).



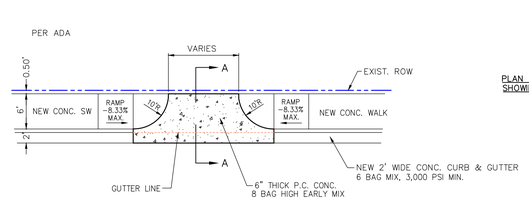
8' SAWHORSE ("A-FRAME") BARRICADES WITH SAWHORSES
NTS

W20-1C
(36" x 36")

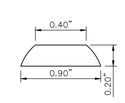
TRAFFIC SIGNAGE AS NEEDED TO MAINTAIN PROPER TRAFFIC FLOW



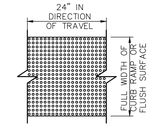
SECTION A–A
NTS



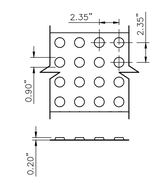
NEW CONC. ENTRANCES
NTS



SECTION VIEW OF DOME



PLAN VIEW OF A DETECTABLE WARNING SURFACE SHOWING DOMES ALIGNED IN ROWS, NOT SKEWED DIAGONALLY.



PLAN AND SECTION VIEWS OF DETECTABLE WARNING DOMES AND THEIR RELATIVE SPACING ON THE X AND Y AXIS

RED PRECAST 2'X4' CERAMIC TILES ON HC RAMPS AT STREET INTERSECTIONS AND ALLEYS. DO NOT USE STAMPED IN PLACE DOMES.

TYPICAL DETAIL OF DETECTABLE WARNING SURFACE
NOT TO SCALE

REVISIONS	BY

PROJECT FOR:
CUMBERLAND WAY CURB and SIDEWALK
SULLIVAN, MISSOURI

DETAILS

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DRAWN BY:	DG
CHECKED BY:	RS
DATE:	JUN. 5, 2018
SCALE:	1"= 50'
PROJECT No.	17006
FILE:	17006base.dwg
SHEET	3 OF 3 SHEETS