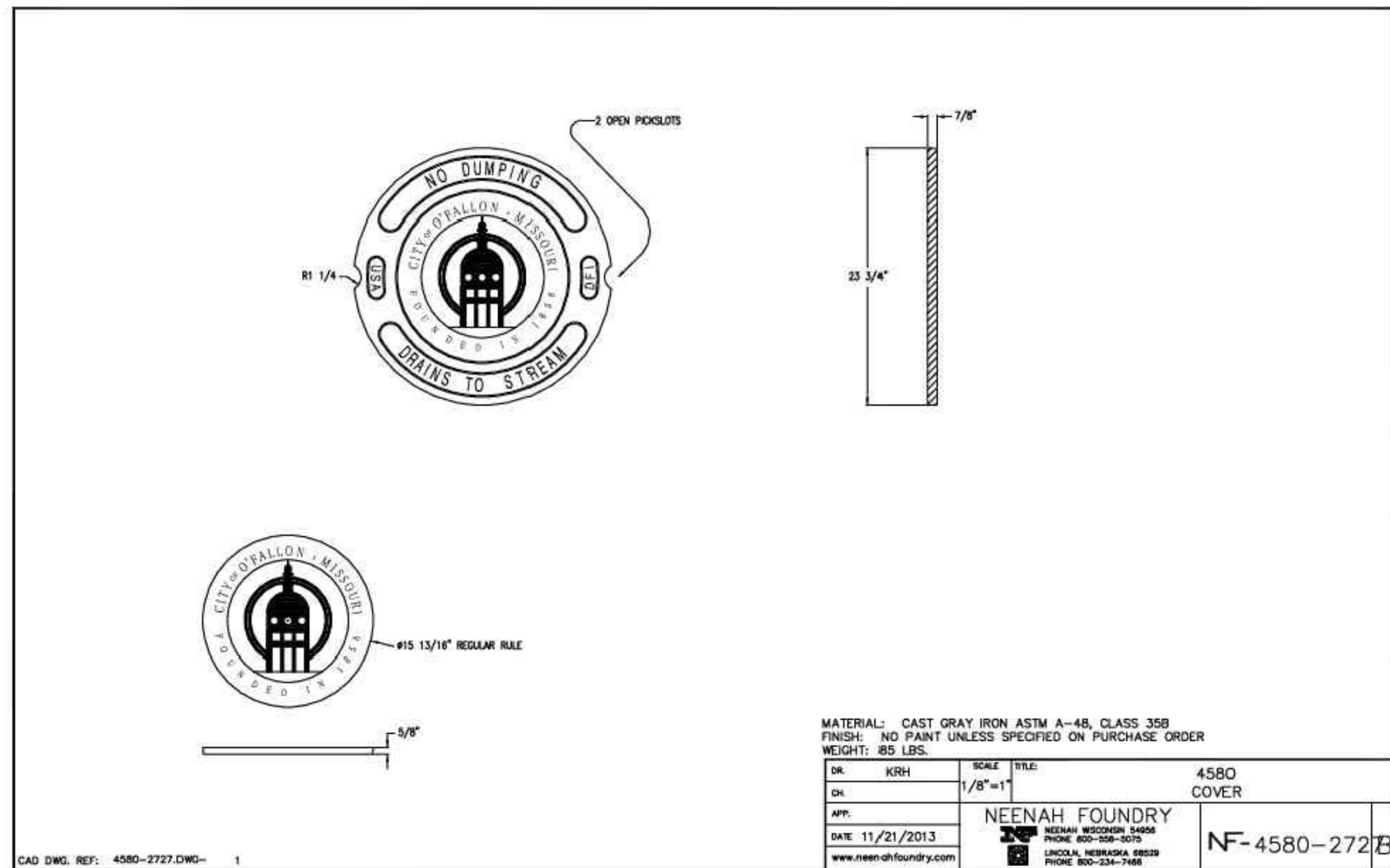
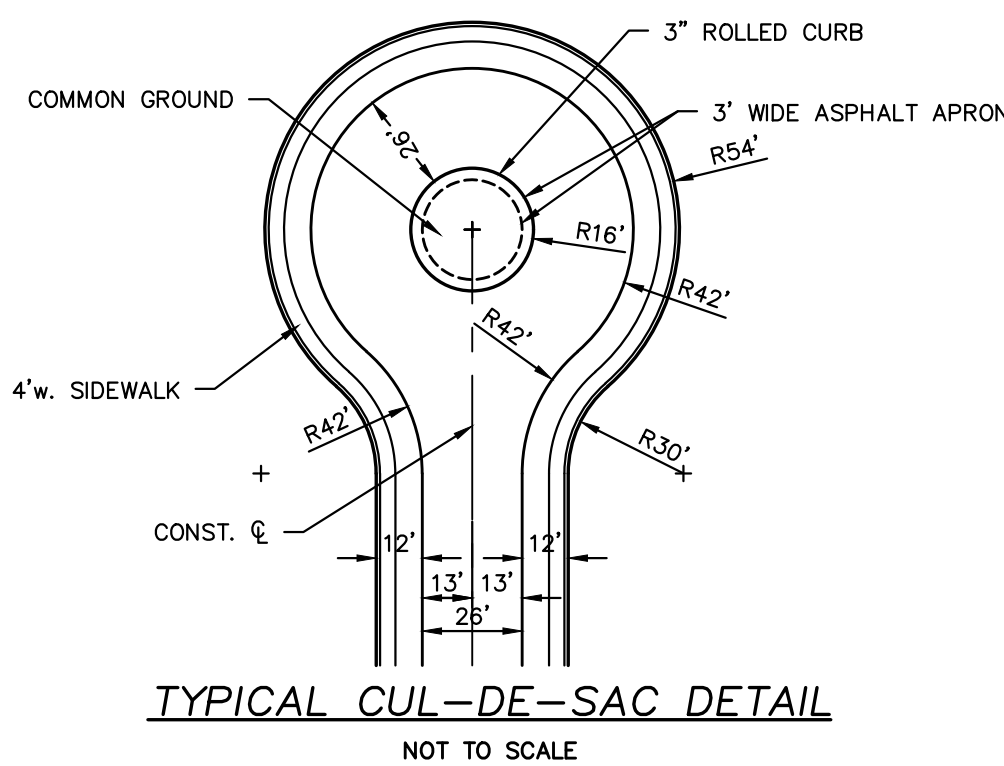
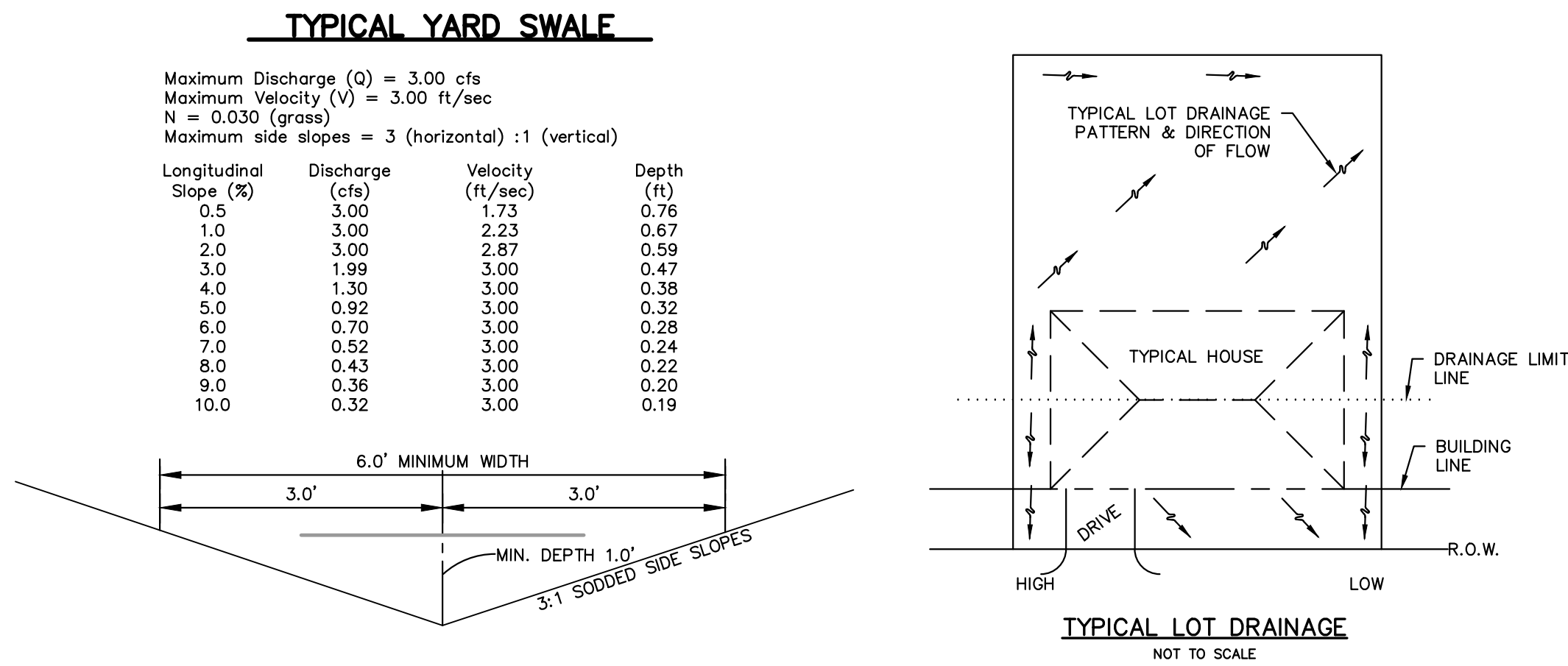


SHADY CREEK ADDITION									
EMERGENCY RELIEF PATH CALCULATIONS									
E.R.P.	Structure	Swale Type	Drainage Areas	Total 15 YR Q	ERP FL	15 YR Water Depth	Total 100 YR Q	100 YR Water Elev.	MLS Elevation
Lot 8/9	CI 103	Side Yard	2, 3, 4, 5, 6, 7, 16	11.27	560.5	0.52	15.21	0.60	n/a
Lot 6	CI 106	Street Inlet	3, 4, 5, 6	5.06	564.6	0.24	6.83	0.27	n/a
Lot 55/54	AI 116	Rear Yard	11, 12, 13, 14, 15	7.79	562.7	0.42	10.52	0.50	564.2
Lot 56/53/54	AI 117	Rear Yard	12, 13, 14, 15	7.13	561.3	0.40	9.63	0.48	562.4
Lot 61	AI 210	Rear Yard	25, 26, 27, 28, 32	9.46	578.3	0.47	12.77	0.55	n/a
Lot 45/46	CI 213	Side Yard	28	2.19	609.2	0.21	2.96	0.25	n/a
Lot 68	CI 216	Street Inlet	29, 30	3.23	561.8	0.20	4.36	0.23	n/a
Lot 35/36	CI 220	Side Yard	32	5.26	607.4	0.34	7.10	0.40	n/a
Lot 41/42	AI 307	Side Yard	36, 37	1.89	614.2	0.20	2.55	0.23	614.6



616.8-3 (TA-3) Shoulder Work on Two-Lane Highways with Edgelines - MT

SPEED	SIGN SPACING (ft)		TAPER LENGTH (ft)		OPTIONAL BUFFER LENGTH (ft.) (B)	CHANNELIZER SPACING (ft.)	
	Undivided (S)	Divided (S)	Shoulder ¹ (T1)	Lane ² (T2)		Tapers	Buffer/ Work Areas
0-35	200	-	70	-	250	35	50
40-45	350	-	150	-	380	40	100
50-55	500	-	185	-	495	50	100
60-70	1000	-	235	-	730	60	100

ROADWAY TYPE	SIGN HEIGHT	MAXIMUM WORK ZONE LENGTH (L)
URBAN	1' Portable 7' Post	1 Mi.
RURAL UNDIVIDED	1' Portable 5' Post	3 Mi.

In addition to shoulder work, this typical application is applicable to work beyond shoulder where vehicles and equipment are parked on the shoulder.

A protective vehicle **shall** be used while work is in progress. The protective vehicle **should** be equipped with a TMA and positioned at least 150 ft. in advance of the work space.

If encroachment onto driving surface occurs and there is not 10 ft. of driving surface available for the lane of traffic, that traffic lane **shall** be closed. Refer to appropriate lane closure typical applications.

If an arrow panel is used for an operation on the shoulder, the caution mode **shall** be displayed.

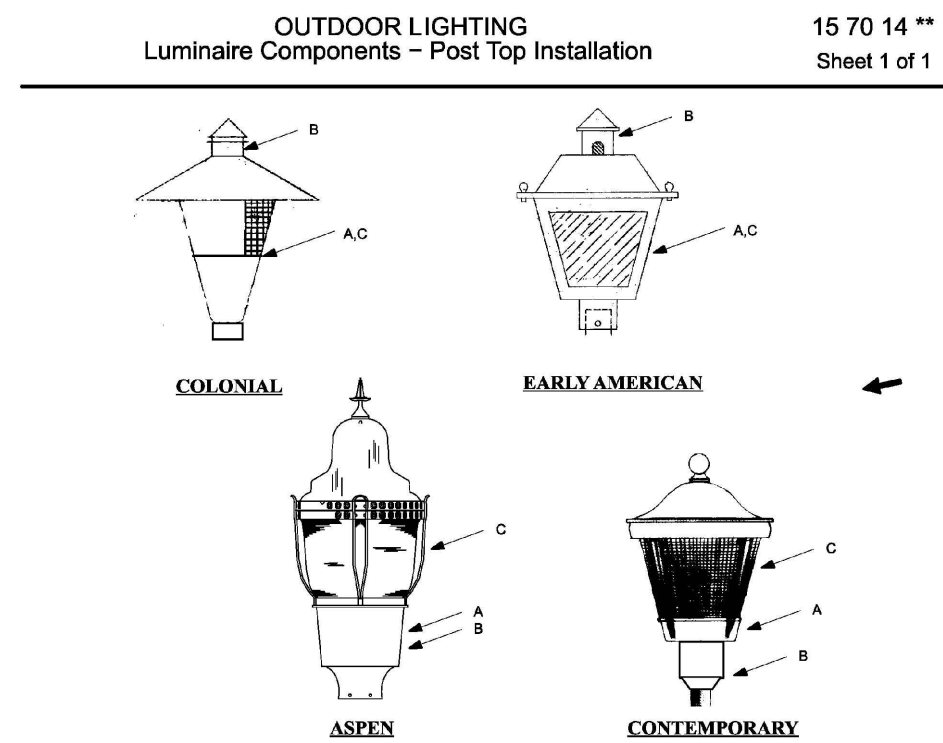
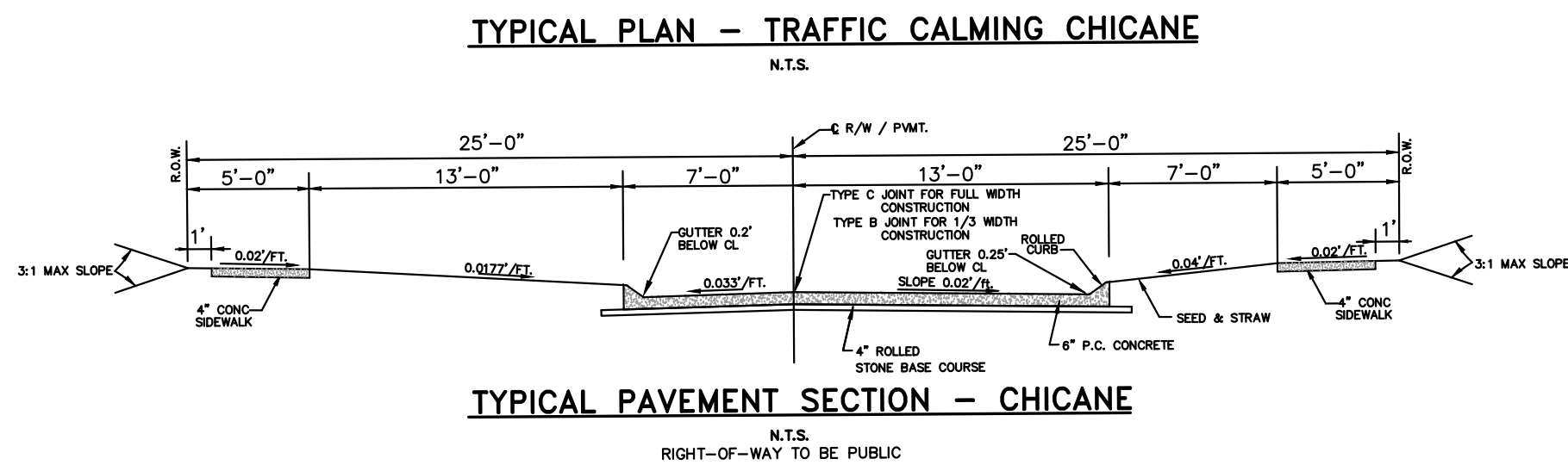
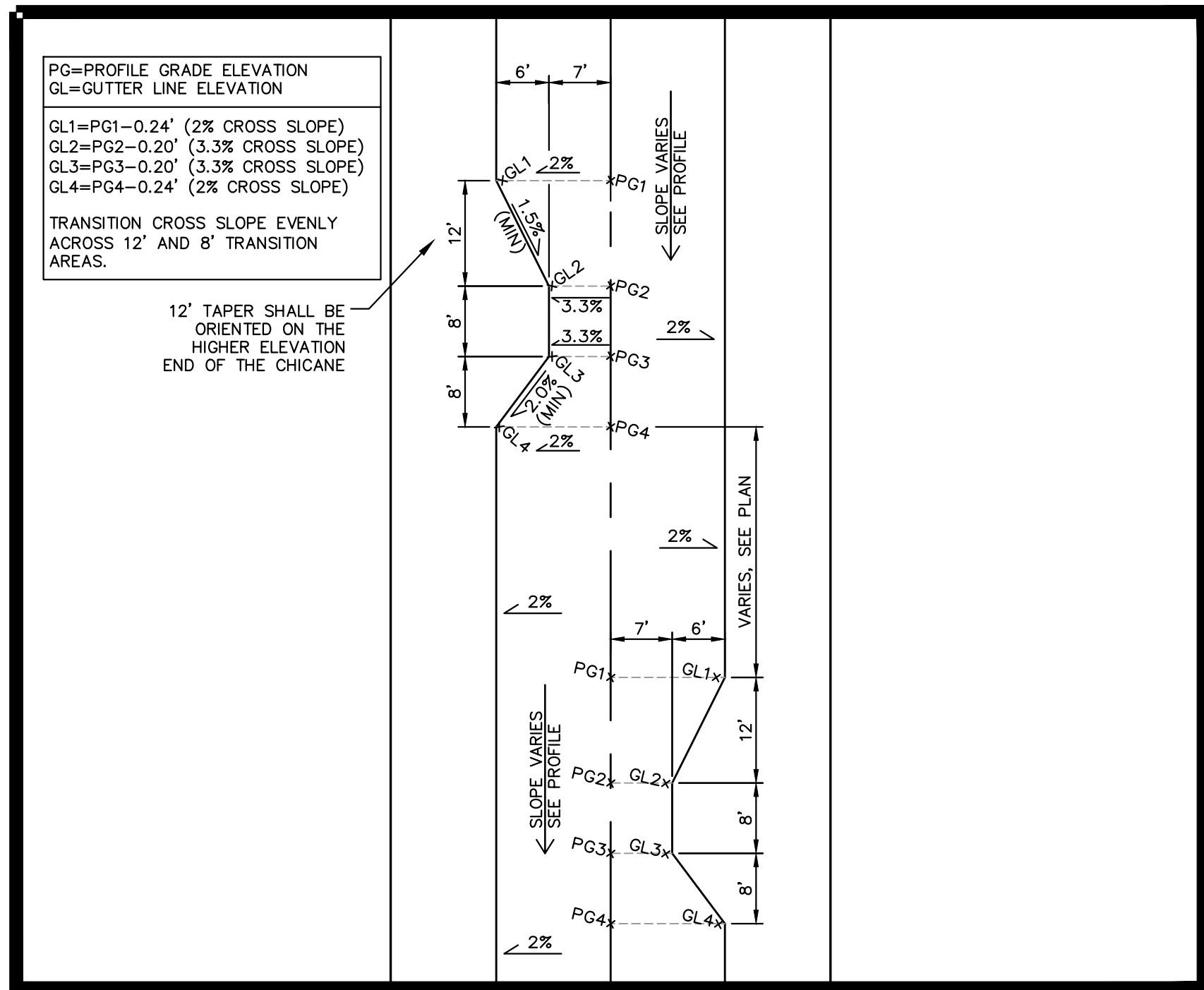
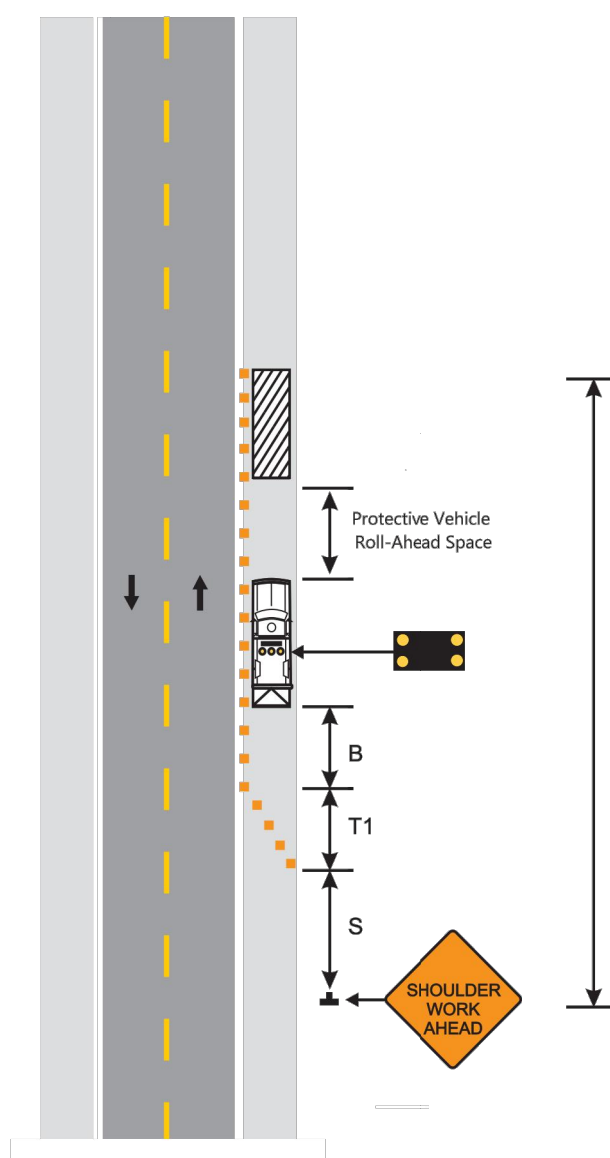
For short duration or mobile operations, signs, channelization devices, and protective vehicles **may** be reduced or eliminated if a work vehicle with activated rotating lights or strobe lights is used. However, if limited sight distance exists, a protective vehicle **should** be used. This protective vehicle **should** be equipped with a TMA and truck mounted flashing arrow panel and positioned at least 150 ft. in advance of the work space or work vehicle, as applicable. If a protective vehicle is used, a vehicle mounted sign **shall** be mounted at a recommended height of 48 in. above the road surface.

For work beyond shoulder, where vehicles and equipment are parked on the shoulder, the protective vehicle **may** be eliminated if a work vehicle with activated rotating lights or strobe lights is used.

Vehicle hazard warning signals **shall** not be used instead of the vehicle's rotating lights or strobe lights.

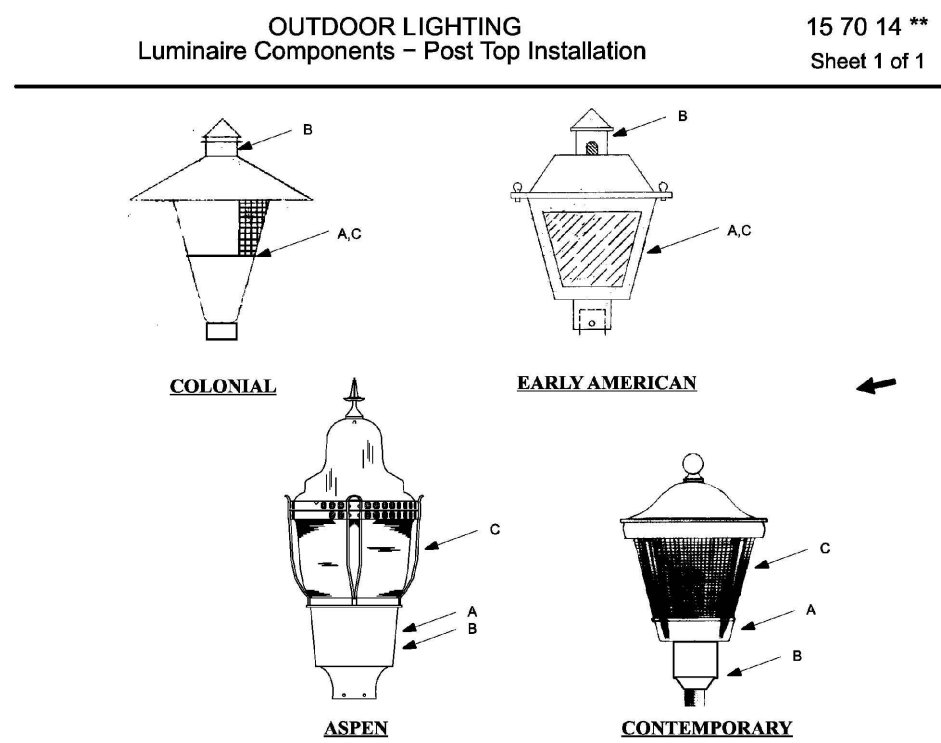
Additional warning signs **shall** be erected at each intersection with another state highway within the work zone. Upon the discretion of the supervisor, additional warning signs **may** be erected at other intersections within the work zone.

Other appropriate signs **may** be used in lieu of SHOULDER WORK AHEAD sign.



Std / Ssk. No.	Description	15 70 14 **	01	02	03	04	05	06	07	08	09	10
A 38 01 524	Colonial, 100w, HPS, Type III	MO	1									
38 01 525	Colonial, 100w, HPS, Type V	MO		1								
38 01 517	Early American, 100w, HPS, Type III	ALL		1								
38 01 518	Early American, 100w, HPS, Type V	MO			1							
38 01 942	Early American, 175w, MH, Type III	IL						1				
38 01 513	Contemporary, 100w, HPS, Type II	MO				1						
38 01 514	Contemporary, 100w, HPS, Type V	MO					1					
38 01 584	Aspen, 100w, HPS, Type III	MO						1				
38 01 585	Aspen, 100w, HPS, Type V	MO							1			
B 38 51 366	Switch, Photo electric Cell		1	1	1	1	1	1	1	1	1	1
C 26 55 260	Lamp, 100w, HPS											
C 26 55 260	Lamp, 175w, MH									1	1	

DISTRIBUTION CONSTRUCTION STANDARDS **Ameren** ENG-WYV REV. NO. 1 REV. DATE: 02/13/07 Page 15 - 9



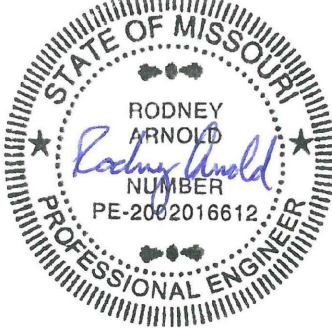
Std / Ssk. No.	Description	15 70 14 **	01	02	03	04	05	06	07	08	09	10
A 38 01 524	Colonial, 100w, HPS, Type III	MO	1									
38 01 525	Colonial, 100w, HPS, Type V	MO		1								
38 01 517	Early American, 100w, HPS, Type III	ALL		1								
38 01 518	Early American, 100w, HPS, Type V	MO			1							
38 01 942	Early American, 175w, MH, Type III	IL						1				
38 01 513	Contemporary, 100w, HPS, Type II	MO				1						
38 01 514	Contemporary, 100w, HPS, Type V	MO					1					
38 01 584	Aspen, 100w, HPS, Type III	MO						1				
38 01 585	Aspen, 100w, HPS, Type V	MO							1			
B 38 51 366	Switch, Photo electric Cell		1	1	1	1	1	1	1	1	1	1
C 26 55 260	Lamp, 100w, HPS											
C 26 55 260	Lamp, 175w, MH										1	1

DISTRIBUTION CONSTRUCTION STANDARDS **Ameren** ENG-WYV REV. NO. 1 REV. DATE: 02/13/07 Page 15 - 9

TYPICAL STREET LIGHTING

PROJECT TITLE
SHADY CREEK ADDITION

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5055 New Baumgartner Road
St. Louis, Missouri 63129
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www.sterling-eng-survey.com
Corporate Certificate of Authority #001348



Date: 12/02/2020
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MISCELLANEOUS DETAILS

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Job No. 14-12-405

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