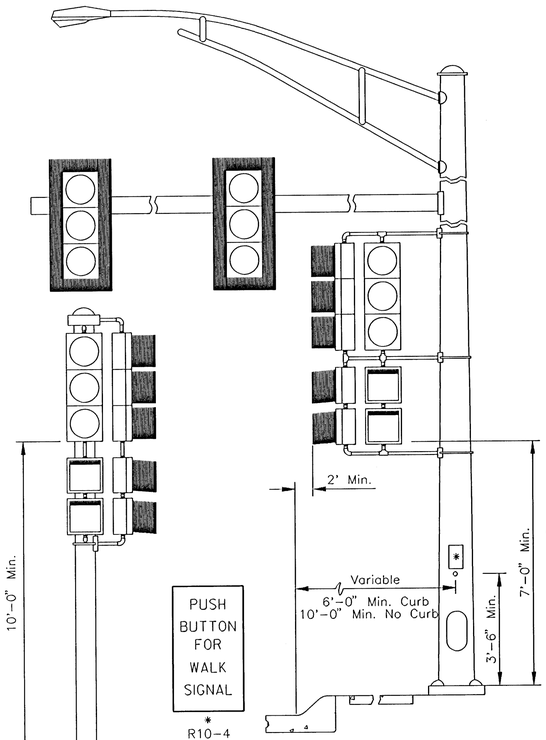
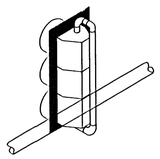
	STATE	PROJECT NUMBER	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	KANSAS	618-34	1998	80	100



Dimensions shown are typical only. Actual dimensions shall be supplied by the MFR.

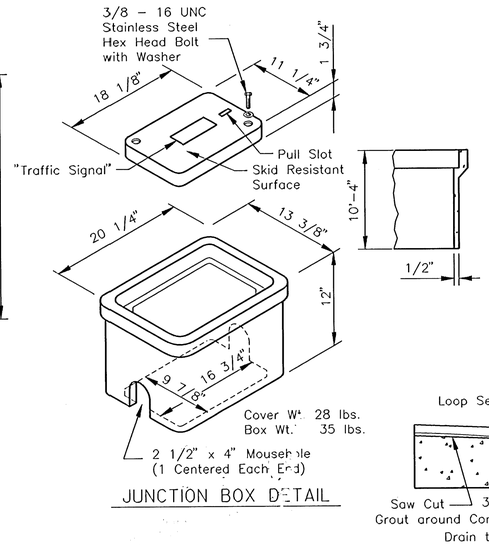


GENERAL NOTES

All traffic signal heads and brackets to be traffic yellow. Doors and visors of traffic signal heads to be black. Controller cabinet to be brushed aluminum.

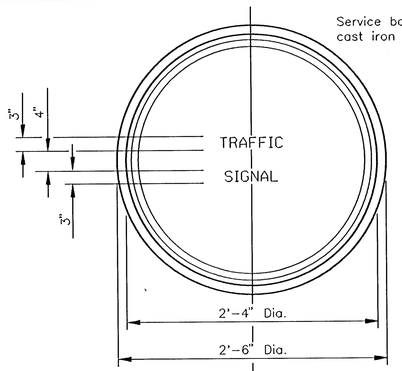
All aluminum traffic signal pedestals shall have a polished finish on shaft and be delivered with a protective paper wrap. The paper wrap shall be removed after installation.

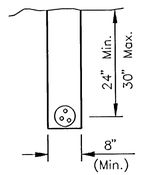
Wiring installed shall conform to the National Electrical Code and local ordinances and requirements.



JUNCTION BOX DETAIL

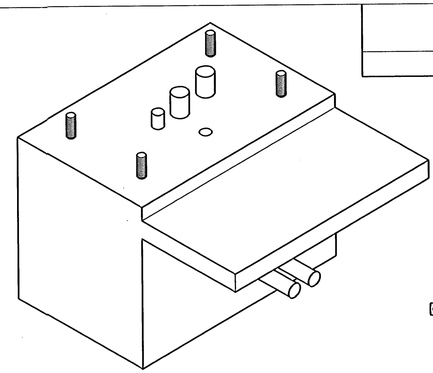
Service box ring and cover to be cast iron unless otherwise noted.

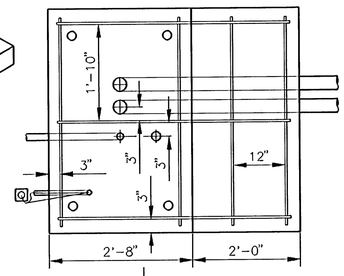


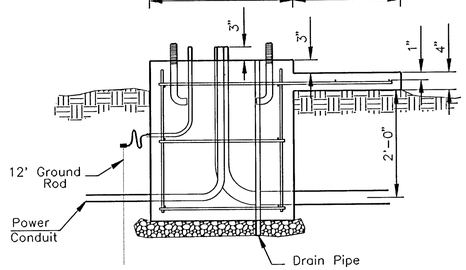


TRENCH DETAIL

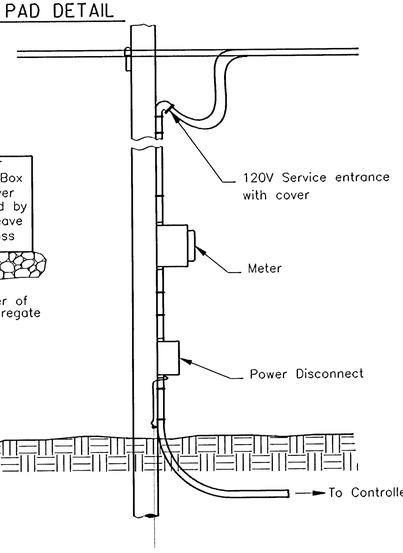
Backfill to be free of rock and rubble. Pitch conduit to drain.

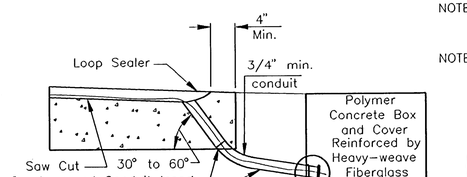






CONTROLLER PAD DETAIL

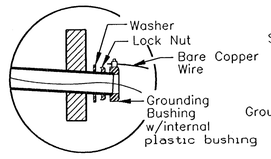




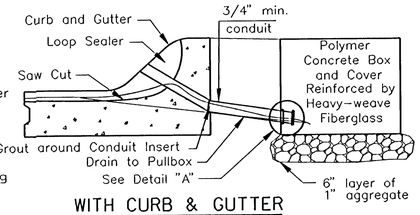
WITHOUT CURB & GUTTER

NOTE: All conduits shall be electronically bonded by a grounding bushing and #6 bare copper wire.

NOTE: Holes shall be drilled before the saw cut.

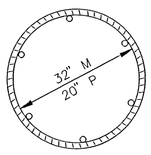


DETAIL A

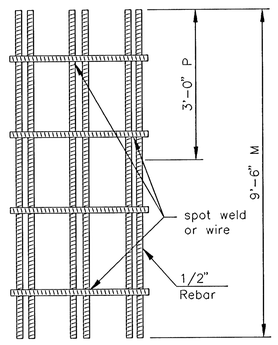


WITH CURB & GUTTER

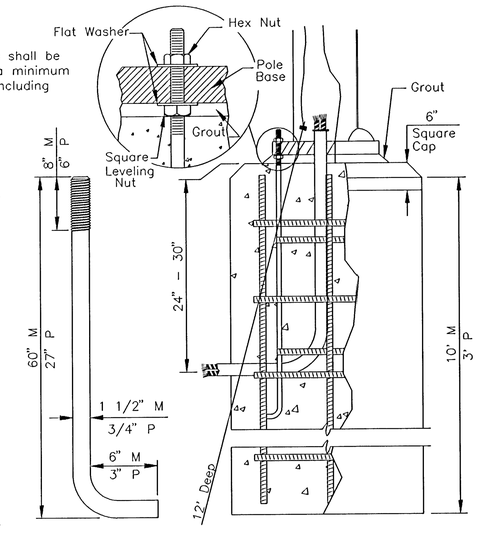
JUNCTION BOX INSTALLATION DETAILS



All anchor bolts shall be galvanized for a minimum length of 12" including threads.

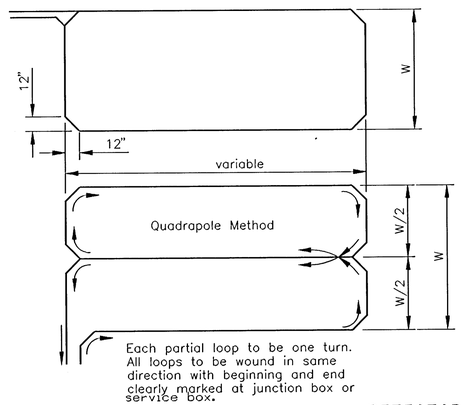


REBAR CAGE



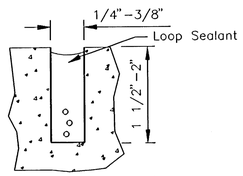
M=Mastarm, P=Pedestal

ANCHOR BOLT DETAIL



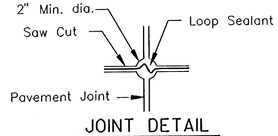
Each partial loop to be one turn. All loops to be wound in same direction with beginning and end clearly marked at junction box or service box.

DETECTOR LOOP DETAILS



SAW CUT DETAIL

Saw cuts in pavement to be 1/4" to 3/8" wide and 1-1/2" to 2" deep. the saw cut filler and encapsulant shall be a one-part polyurethane compound requiring no mixing, measuring or applicator or heat prior to or during installation. Each saw cut shall be filled to within 1/8" of pavement surface. Loop wire and loop lead-in wire shall be continuous runs with no splices except for a "western union" type splice at their junction. The loop wire between the junction box and the loop shall be twisted 2-5 turns per foot.



JOINT DETAIL

TRAFFIC SIGNAL INSTALLATION DETAILS

T.S. No. 2.0

PREPARED BY
SEDGWICK COUNTY BUREAU OF PUBLIC SERVICES
HIGHWAY DIVISION

DAVID C. SPEARS, P.E. DIRECTOR/COUNTY ENGINEER

REVISED	SCALE	DESIGNED	TRACED	CHECKED	SHEET NO.
				WDH	
	DATE				
	PLANFILE TS-2-0-M.DWG		TOTAL SHEETS		

80

i:/1995/95297/002/sigdtls.dgn
Drawn by: mef 7-25-97
Plotted by: mef 7-25-97