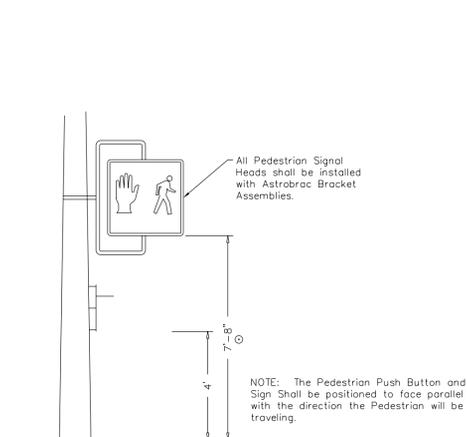
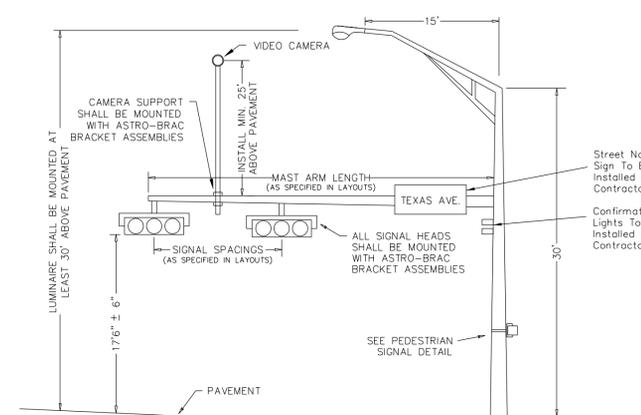


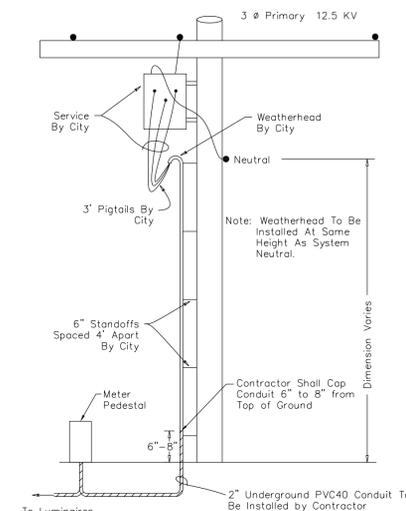
CONFIRMATION LIGHT INSTALLATION



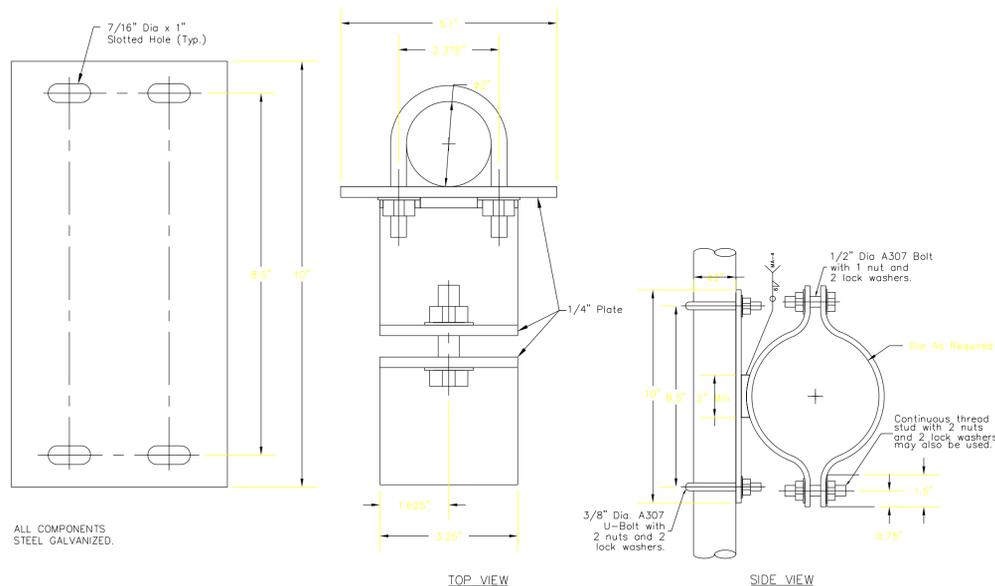
PEDESTRIAN SIGNAL DETAIL



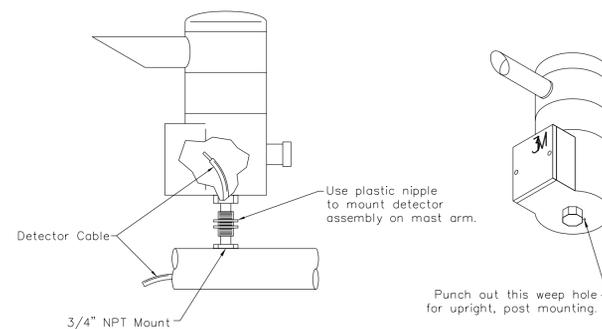
SIGNAL POLE, VIDEO CAMERA, STREET NAME SIGN, AND LUMINAIRE MOUNTINGS



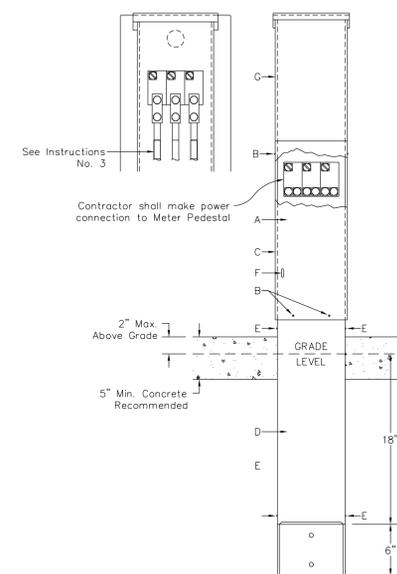
POWER OUTLET FROM POLE



BRACKET ASSEMBLY DETAIL FOR VIDEO CAMERA



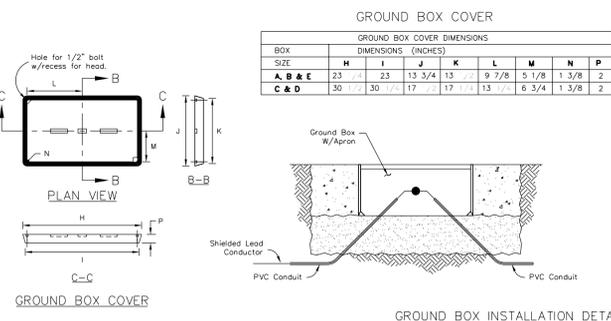
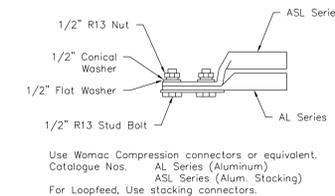
DETECTOR MOUNT AND WEEP HOLE LOCATION PRIORITY CONTROL SYSTEM DETECTOR INSTALLATION



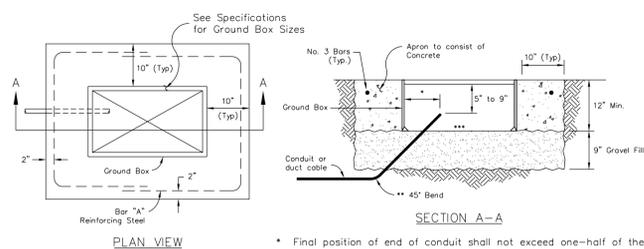
METER PEDESTAL

INSTALLATION INSTRUCTIONS

1. Remove cover "A" by removing (4) screws "B". Slide cover slightly towards bottom of post (allowing top of cover to clear top retaining bracket) and pull cover away from post.
  2. Remove cover "D" by removing (4) screws "E". Pull cover away from post.
  3. Location "G" - When load conductors exit the bottom of the post, remove the small horizontal barrier and rotate 90° to form a vertical barrier inside the post. Re-assemble using the same screw and mounting hole.
- When load conductors exit K.O., use suitable conduit connector for outdoor applications.
4. Noting diagram, properly position post, ensuring bottom of post is 24 inches below grade level.
  5. Lay wires in and attach to terminal bar. (See wiring diagram in post trough for torque and wire size information.)
  6. Replace cover "D" on post and fasten with (4) screws "E".
  7. Replace cover "A" on post and fasten with (4) screws "B".
  8. To padlock cover "A", utilize hasp "F".
  9. A concrete pad is recommended in some areas to strengthen installation. Pad should be approximately 18"x18" and 5" minimum thickness. Ensure pad does not extend more than 2" above grade to allow future removal of cover "A".

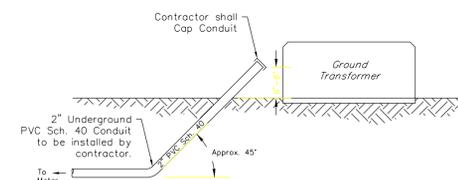


TYPICAL GROUND BOX DETAILS

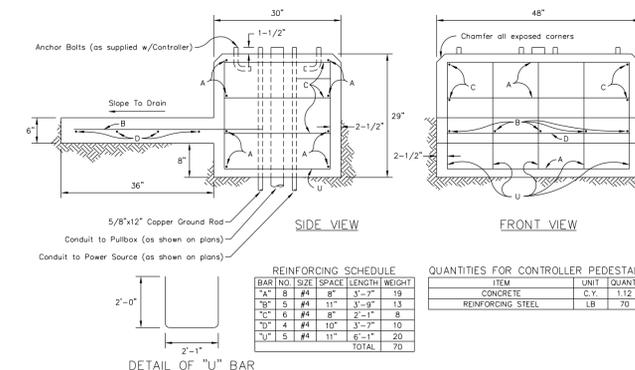


APRON FOR GROUND BOXES

- Final position of end of conduit shall not exceed one-half of the distance to the side of the box opposite of the conduit entry.
- 90° when approved by the engineer.
- Place gravel "under" the box, not "in" the box. Gravel should not encroach on the interior volume of the box.



POWER OUTLET FROM GROUND TRANSFORMER



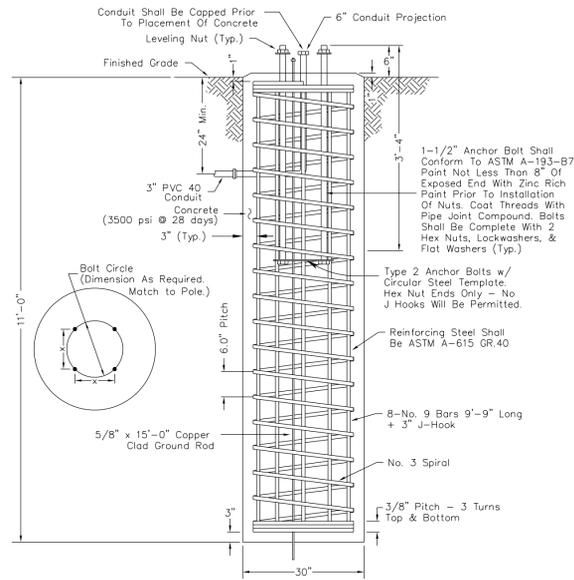
CONTROLLER PEDESTAL

REVISIONS

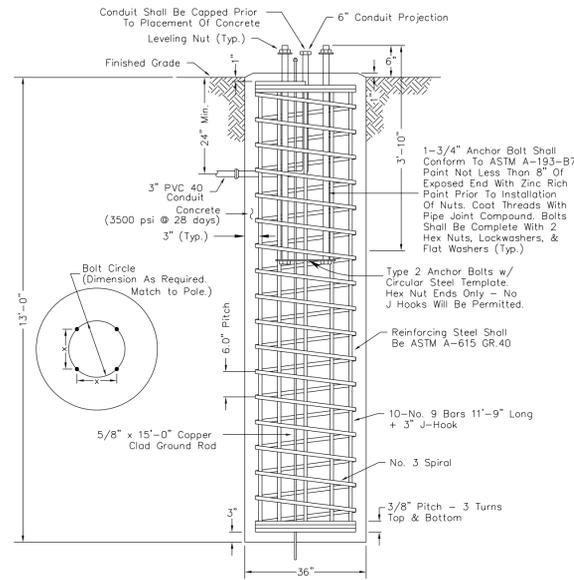
DATE:	xxx
DRAWN BY:	xxx
DESIGNED BY:	xxx
CHECKED BY:	xx

TRAFFIC SIGNAL DETAILS

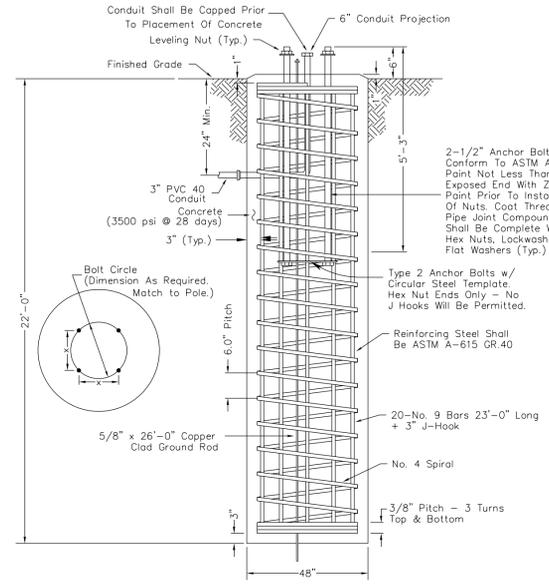
SHEET NO.



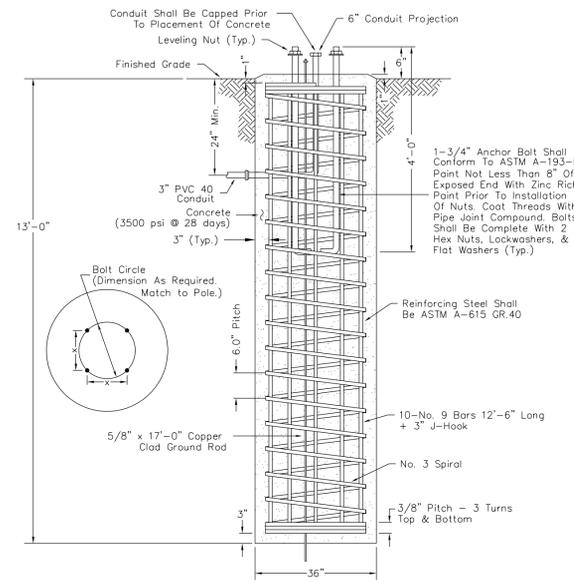
**CANTILEVER TRAFFIC POLE FOUNDATION**  
(Single Mast Arms 32' in Length or Shorter)



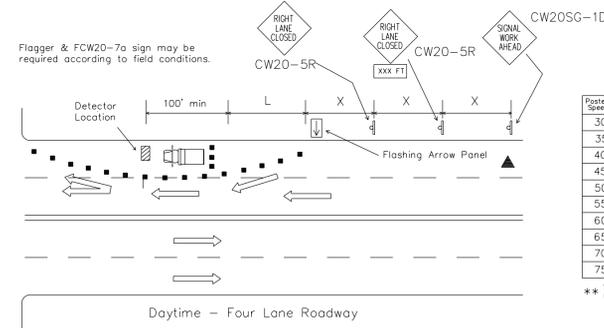
**CANTILEVER TRAFFIC POLE FOUNDATION**  
(Single Mast Arms 33'-48' in Length)



**CANTILEVER TRAFFIC POLE FOUNDATION**  
(Single Mast Arms 50' or greater in Length)  
\*See TxDOT Traffic Signal Support Structures - Long Mast Arm Assembly Detail Sheets (4 Sheets, Dated July 2000) for Additional Information.

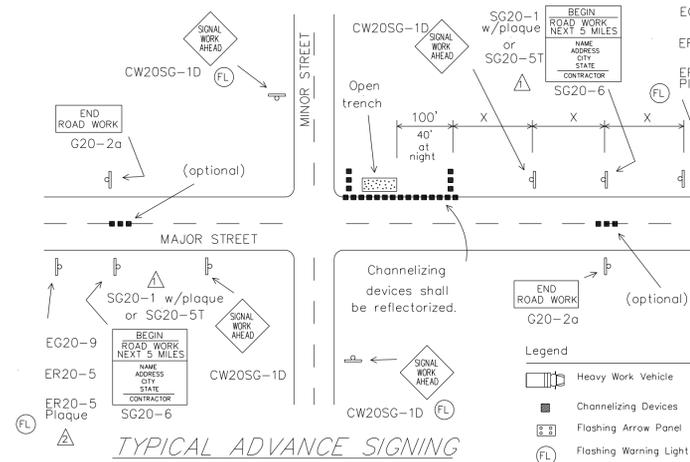


**DUAL-MAST-ARM CANTILEVER TRAFFIC POLE FOUNDATION**  
(Dual Mast Arms Each Less Than 45' in Length)

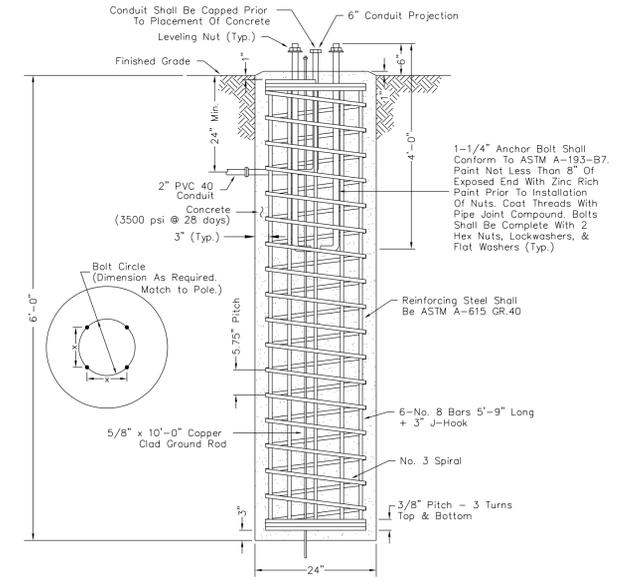


Posted Speed	Formula	Minimum Obstructible Taper Lengths			Suggested Maximum Spacing of Device		Minimum Sign Spacing
		10' Offset	11' Offset	12' Offset	On or Beyond Tangent	X Distance	
30	L = WS <sup>2</sup> / 60	150'	165'	180'	30'	60'-75'	120'
35		205'	225'	245'	35'	70'-90'	160'
40	L = WS <sup>2</sup> / 60	265'	295'	320'	40'	80'-100'	240'
45		450'	495'	540'	45'	90'-110'	320'
50	L = WS <sup>2</sup> / 60	500'	550'	600'	50'	100'-125'	400'
55		550'	605'	660'	55'	110'-140'	500'
60	L = WS <sup>2</sup> / 60	600'	660'	720'	60'	120'-150'	600'
65		650'	715'	780'	65'	130'-165'	700'
70	L = WS <sup>2</sup> / 60	700'	770'	840'	70'	140'-175'	800'
75		750'	825'	900'	75'	150'-185'	900'

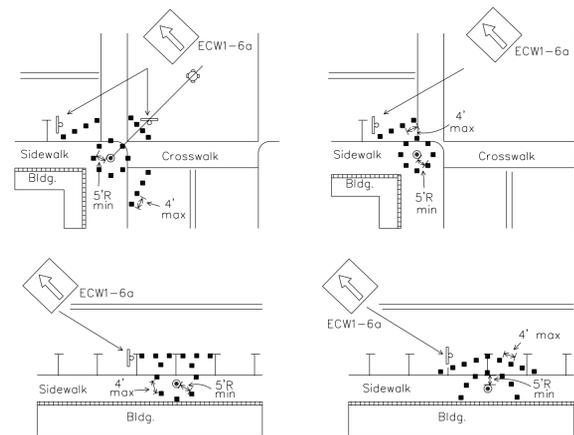
\*\* Taper lengths have been rounded off.  
L=Length of Taper (FT) W=Width of Offset (FT) S=Posted Speed (MPH)



**TYPICAL ADVANCE SIGNING**  
FOR LONG TERM and INTERMEDIATE-TERM STATIONARY WORK OPERATIONS  
Observe Warning Signs State Law (R20-3) shall be required.  
See BC(2).  
Location will be as directed by the Engineer.



**PEDESTAL POLE FOUNDATION**



**TYPICAL RESTRICTED PEDESTRIAN MOVEMENTS**  
FOR ALL WORK OPERATIONS REGARDLESS OF WORK DURATION

- 1. Typical channelizing device is the 28" cone.
- 2. Plastic drums or vertical panels may be used if approved by the Engineer.
- 3. For several closely adjoining projects, advance signing may not be required in advance of each intersection, but only in advance of the intersections at the project limits.
- 4. See details elsewhere in the plans for advance signing requirements.
- 5. Advance signs shall be in place when signal construction operations are in progress.
- 6. The contractor shall remove advance signs when no construction operations are underway.
- 7. Obstructions or hazards at the work area shall be clearly marked and delineated at all times.
- 8. All holes, trenches or other hazardous areas shall be adequately protected by lights or other protective devices.
- 9. Trenches shall be covered or surrounded with orange plastic construction fence as directed by the Engineer.
- 10. Flagger and FCW20-7a sign may be required according to field conditions.
- 11. Vehicles parked in roadway shall be equipped with two strobes.
- 12. High level flags at corners of vehicle may also be used.
- 13. Work operations that require work vehicle in traveled way 20 minutes or less may use cones, high level flags and strobes as advance warning devices.
- 14. Cones should only be placed around vehicle.

DATE: xxx  
DRAWN BY: xxx  
DESIGNED BY: xxx  
CHECKED BY: xx

REVISIONS

TRAFFIC SIGNAL DETAILS

SHEET NO.