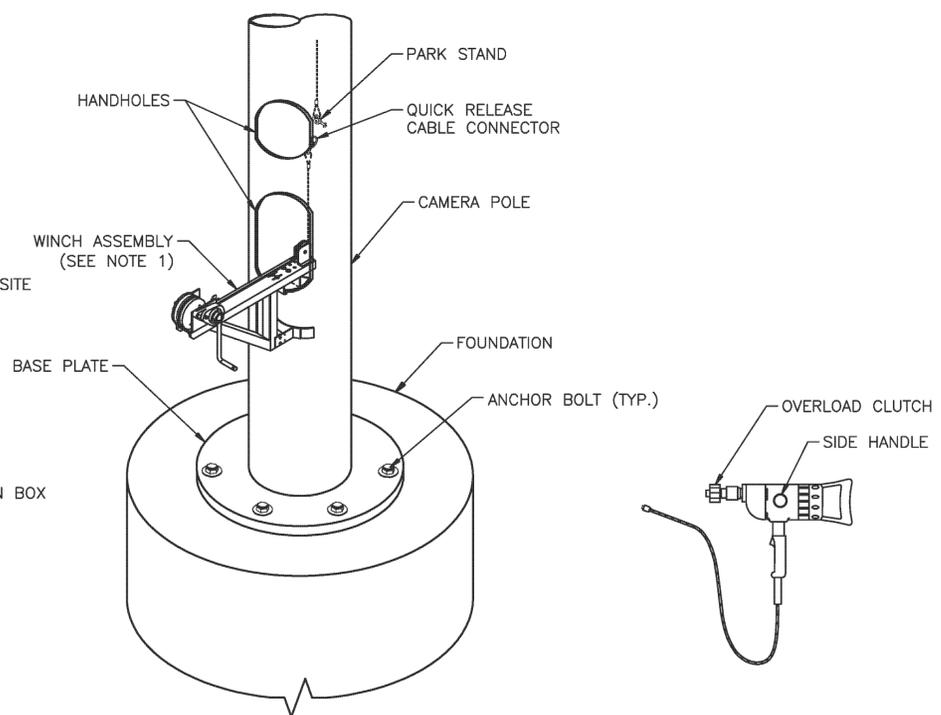
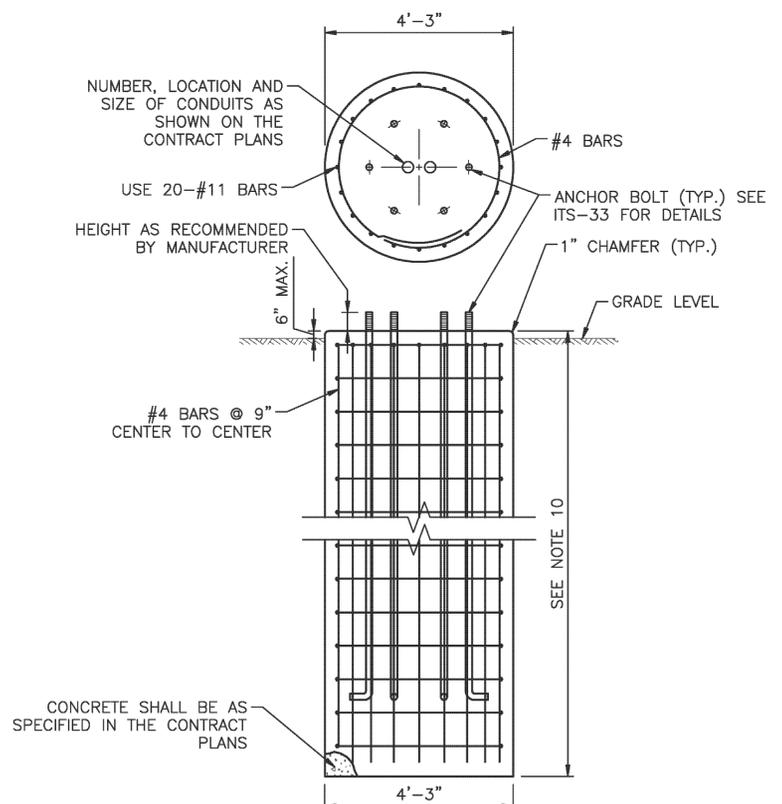


**LOWERING DEVICE DETAIL**  
N.T.S.



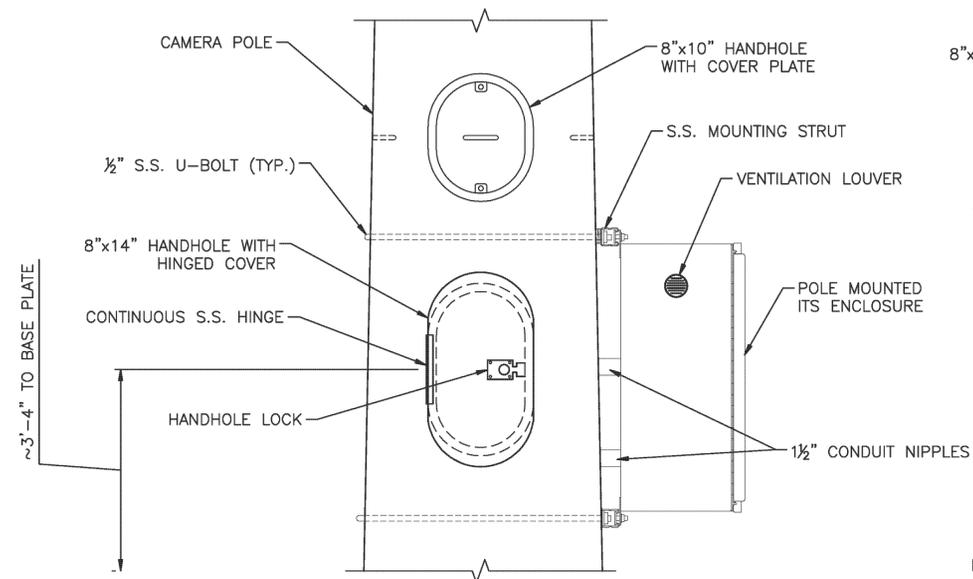
**WINCH ASSEMBLY DETAIL**  
(POLE MOUNTED ITS ENCLOSURE NOT SHOWN FOR CLARITY)  
**LOWERING TOOL**  
(SEE NOTE 7)  
N.T.S.



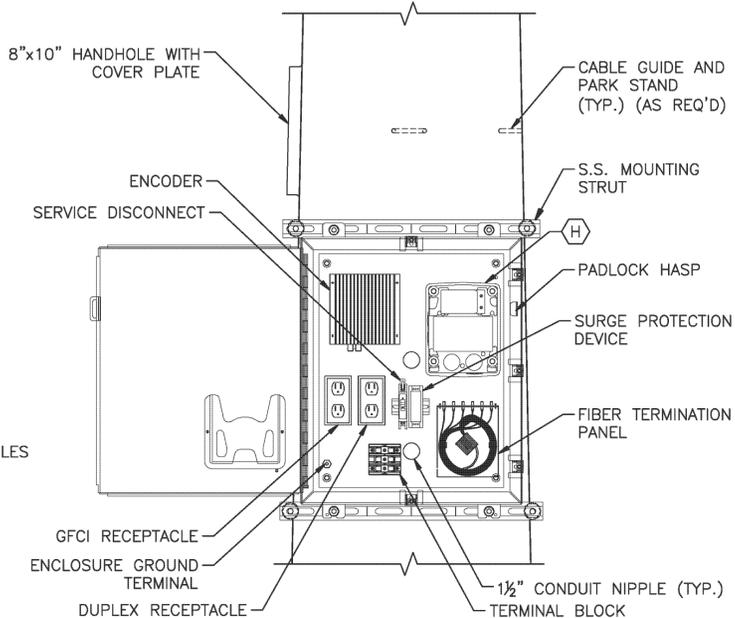
**FOUNDATION**  
(SEE NOTE 10 AND 11)  
SCALE: 1/2" = 1'-0"

**NOTES:**

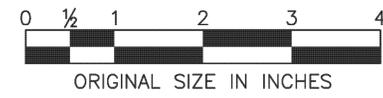
1. PROVIDE SEALED, SELF LUBRICATED BEARINGS, OIL TIGHT BRONZE BEARINGS OR SINTERED BRONZE BUSHINGS WITH ALL PULLEYS FOR THE CAMERA LOWERING DEVICE AND PORTABLE LOWERING TOOL.
2. ENSURE THE LOWERING CABLE HAS A MINIMUM OF 1/8" DIAMETER STAINLESS STEEL AIRCRAFT CABLE WITH A MINIMUM BREAKING STRENGTH OF 1740 POUNDS WITH (7) STRANDS OF 19 WIRE EACH.
3. PROTECT ALL ELECTRICAL AND VIDEO COAXIAL CONNECTIONS BETWEEN THE FIXED AND LOWERABLE PORTION OF THE SUSPENSION DISCONNECT UNIT FROM EXPOSURE TO THE WEATHER WITH A WATERPROOF SEAL TO PREVENT DEGRADATION OF THE ELECTRICAL CONTACTS.
4. THE COMPOSITE SIGNAL CABLE SHALL CONTAIN THE FOLLOWING (AT A MINIMUM):
  - 4.1. (1) RG6 75Ω COAXIAL CABLE
  - 4.2. (3) #16 AWG POWER CABLES
  - 4.3. (2) #18 AWG TWISTED PAIR WITH DRAIN
5. PROVIDE INTERFACE AND LOCKING COMPONENTS MADE OF STAINLESS STEEL.
6. ENSURE THE SUSPENSION DISCONNECT UNIT HAS LOAD CAPACITY OF 200 POUNDS WITH A MINIMUM OF 4 TO 1 SAFETY FACTOR.
7. SUPPLY AN ADAPTOR FOR A STANDARD 1/2" ELECTRIC DRILL BIT.
8. SUBMIT WINCH ASSEMBLY AND CAMERA CABINET ENCLOSURE MOUNTING DETAILS FOR APPROVAL.
9. THE LIGHTNING ROD SHALL BE ATTACHED TO THE POLE WITH A GROUNDING LUG EITHER UNDERNEATH THE POLE TOP DOME OR DIRECTLY TO THE POLE SHAFT. WHEN CONNECTED TO THE POLE SHAFT THE GROUNDING LUG SHALL BE WELDED TO THE POLE. COPPER CABLE CONNECTING THE ROD TO THE POLE SHALL BE BARE-COPPER.
10. DESIGN OF FOUNDATION SHALL BE AS PER CONTRACT PLANS. FOUNDATION DETAIL NOT FOR CONSTRUCTION.
11. THE DRILLED SHAFT DIAMETER SHOWN ON THIS STANDARD DRAWING IS REPRESENTATIVE OF A TYPICAL CCTV CAMERA FOUNDATION. LARGER DRILLED SHAFT DIAMETERS MAY BE REQUIRED AS DICTATED BY LOCAL GEOTECHNICAL CONDITIONS. IT IS THE RESPONSIBILITY OF THE DESIGN ENGINEER TO DESIGN THE DRILL SHAFT DIAMETER, DEPTH, AND REINFORCEMENT.
12. PAYMENT FOR FURNISHING AND INSTALLATION OF THE AIR TERMINAL WILL BE INCLUDED IN THE PAY ITEM "CCTV CAMERA, POLE MOUNTED WITH LOWERING DEVICE".



**POLE MOUNTED ITS ENCLOSURE, SIDE ELEVATION**  
SCALE: 1/2" = 1'-0"



**POLE MOUNTED ITS ENCLOSURE, FRONT ELEVATION**  
SCALE: 1/2" = 1'-0"



HNTB, INC. 145 RT. 46 WEST, SUITE 400, WAYNE, NJ 07470 - COA# 24GA2800700  
 DATE: 08/20/10  
 DRAWING NO.: ITS-34

	BY	DATE
MADE	DR	08/20/10
TRACED	GMS	08/20/10
CHECKED	MS	08/20/10
SUPERVISED	ALB	08/20/10

APP. NO.	DATE	REVISION
0	08/20/10	ORIGINAL DRAWING

NEW JERSEY TURNPIKE AUTHORITY

**NEW JERSEY TURNPIKE**

**CCTV CAMERA, POLE MOUNTED WITH LOWERING DEVICE DETAILS - 2**

**HNTB** 145 RT. 46 WEST, SUITE 400, WAYNE, NJ 07470 - COA# 24GA2800700  
**ANTHONY L. BARTELLO**  
 New Jersey Professional Engineer License No. GE 48842

**STANDARD DRAWING ITS-34**