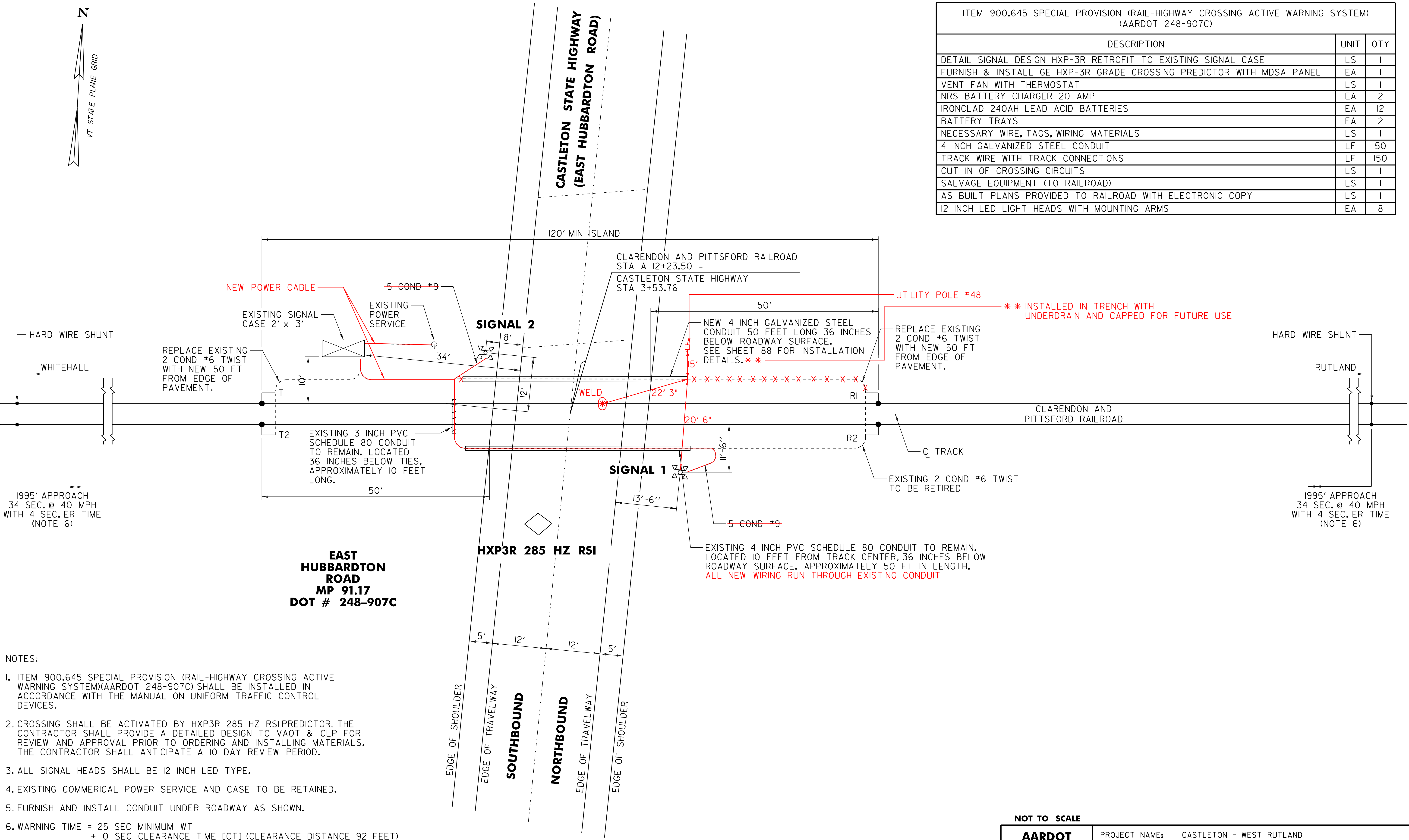


ITEM 900.645 SPECIAL PROVISION (RAIL-HIGHWAY CROSSING ACTIVE WARNING SYSTEM) (AARDOT 248-907C)		
DESCRIPTION	UNIT	QTY
DETAIL SIGNAL DESIGN HXP-3R RETROFIT TO EXISTING SIGNAL CASE	LS	1
FURNISH & INSTALL GE HXP-3R GRADE CROSSING PREDICTOR WITH MDSA PANEL	EA	1
VENT FAN WITH THERMOSTAT	LS	1
NRS BATTERY CHARGER 20 AMP	EA	2
IRONCLAD 240AH LEAD ACID BATTERIES	EA	12
BATTERY TRAYS	EA	2
NECESSARY WIRE, TAGS, WIRING MATERIALS	LS	1
4 INCH GALVANIZED STEEL CONDUIT	LF	50
TRACK WIRE WITH TRACK CONNECTIONS	LF	150
CUT IN OF CROSSING CIRCUITS	LS	1
SALVAGE EQUIPMENT (TO RAILROAD)	LS	1
AS BUILT PLANS PROVIDED TO RAILROAD WITH ELECTRONIC COPY	LS	1
12 INCH LED LIGHT HEADS WITH MOUNTING ARMS	EA	8



**EAST HUBBARDTON ROAD
MP 91.17
DOT # 248-907C**

HXP3R 285 HZ RSI

NOT TO SCALE

AARDOT 248-907C GRADE CROSSING SIGNAL SHEET	PROJECT NAME: CASTLETON - WEST RUTLAND
	PROJECT NUMBER: STP 2705(1)
	FILE NAME: p07cl68.dgn
	PLOT DATE: 04-JUN-2013 09:30
PROJECT LEADER: D.E.G.	DRAWN BY: W.G.P.
DESIGNED BY: S.L.W.	CHECKED BY: S.L.W.
IPARM FILE: p07cl68rr3.1	SHEET 89 OF 152

NOTES:

- ITEM 900.645 SPECIAL PROVISION (RAIL-HIGHWAY CROSSING ACTIVE WARNING SYSTEM)(AARDOT 248-907C) SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
- CROSSING SHALL BE ACTIVATED BY HXP3R 285 HZ RSPREDICTOR. THE CONTRACTOR SHALL PROVIDE A DETAILED DESIGN TO VAOT & CLP FOR REVIEW AND APPROVAL PRIOR TO ORDERING AND INSTALLING MATERIALS. THE CONTRACTOR SHALL ANTICIPATE A 10 DAY REVIEW PERIOD.
- ALL SIGNAL HEADS SHALL BE 12 INCH LED TYPE.
- EXISTING COMMERCIAL POWER SERVICE AND CASE TO BE RETAINED.
- FURNISH AND INSTALL CONDUIT UNDER ROADWAY AS SHOWN.
- WARNING TIME = 25 SEC MINIMUM WT
+ 0 SEC CLEARANCE TIME [CT] (CLEARANCE DISTANCE 92 FEET)
+ 5 SEC BUFFER TIME [FT]
= 30 SEC DESIGNED WARNING TIME

+ 4 SECONDS EQUIPMENT RESPONSE TIME [ERT]
= 34 SECONDS OR 1995 FEET AT 40 MPH
- SEE SHEETS 87 & 88 FOR PROPOSED GRADE CROSSING SURFACE TREATMENT.