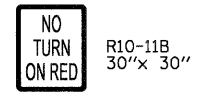


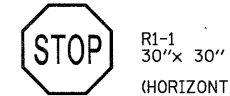
**TRAFFIC SIGNAL LEGEND**

PROPOSED	EXISTING	PROPOSED	EXISTING
CONTROLLER	[Symbol]	PEDESTRIAN PUSH-BUTTON DETECTOR	[Symbol]
SERVICE INSTALLATION	[Symbol]	DETECTOR LOOP, TYPE I	[Symbol]
SIGNAL HEAD	[Symbol]	CAST IRON JUNCTION BOX	[Symbol]
SIGNAL HEAD WITH BACKPLATE	[Symbol]	EMERGENCY VEHICLE SYSTEM DETECTOR	[Symbol]
SIGNAL HEAD, PEDESTRIAN	[Symbol]	CONFIRMATION BEACON	[Symbol]
SIGNAL POST	[Symbol]	SIGNAL HEAD OPTICALLY PROGRAMMED	[Symbol]
STEEL MAST ARM ASSEMBLY AND POLE	[Symbol]	CONDUIT SPLICE	[Symbol]
MAST ARM ASSEMBLY AND POLE, ALUMINUM	[Symbol]	WOOD POLE	[Symbol]
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE	[Symbol]	RACEWAY FOR MAGNETIC DETECTOR, TYPE I OR TYPE II	[Symbol]
UNIT DUCT	[Symbol]	VEHICLE DETECTOR, NON COMPENSATED MAGNETIC TYPE	[Symbol]
COMMON TRENCH	[Symbol]	RAILROAD CONTROL CABINET	[Symbol]
HANDHOLE	[Symbol]	TELEPHONE CONNECTION	[Symbol]
HEAVY DUTY HANDHOLE	[Symbol]	ILLUMINATED SIGN "NO LEFT TURN"	[Symbol]
DOUBLE HANDHOLE	[Symbol]	ILLUMINATED SIGN "NO RIGHT TURN"	[Symbol]
G.S. CONDUIT IN TRENCH (T) OR PUSHED (P)	[Symbol]	UNINTERRUPTIBLE POWER SUPPLY	[Symbol]

**SIGN "A"**

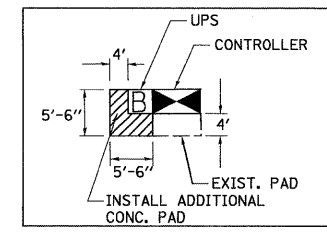


**SIGN "B"**



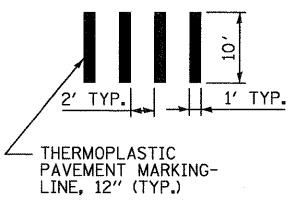
(HORIZONTAL FOLDING SIGN WITH "DRIVE CAREFULLY" MESSAGE ON BACK WHEN FOLDED)

**DETAIL "A"**

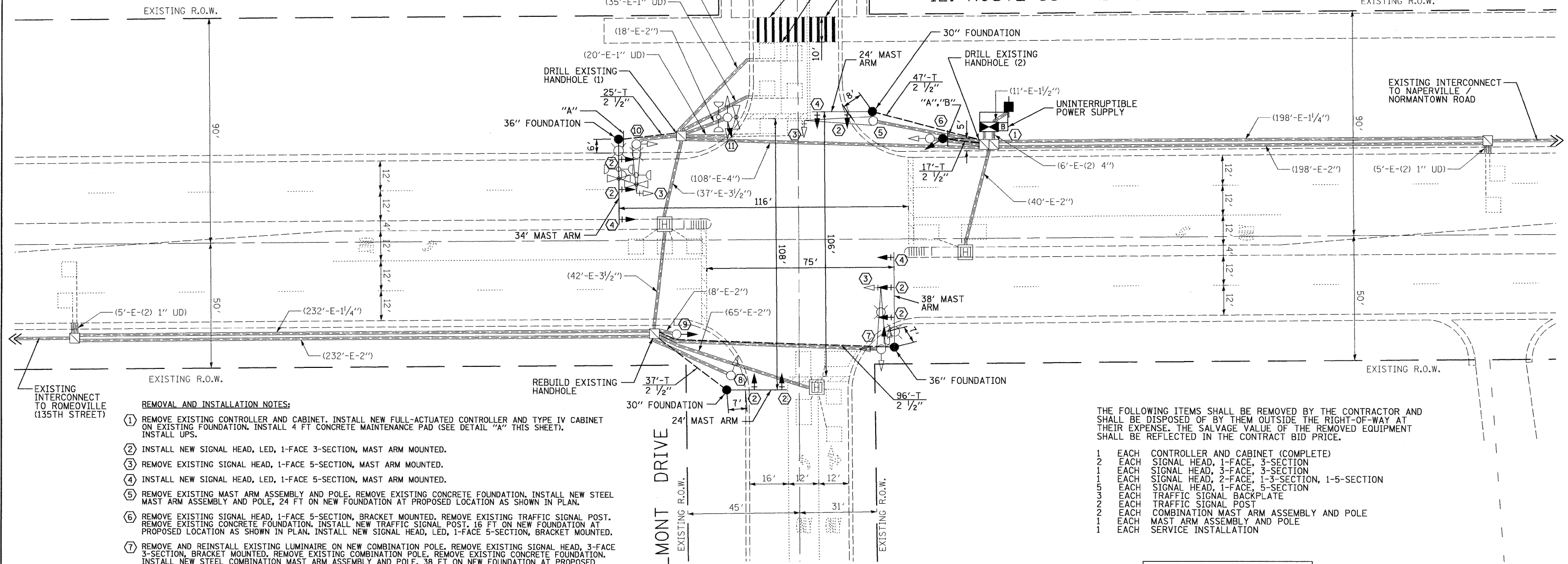


NOTE: THE WORK SHOWN IN DETAIL "A" SHALL BE INCLUDED IN THE COST FOR THE U.P.S. EQUIPMENT.

**DETAIL "B"**



- 1) 5" THICK CONCRETE PAD SHALL BE POURED NEXT TO NEW CONTROLLER AND /OR UPS TO PROVIDE EASY MAINTENANCE ACCESS.
- 2) MAINTENANCE PAD SHALL EXTEND TO THE EDGE OF EXISTING CONTROLLER FOUNDATION.
- 3) COST OF PAD SHALL BE INCLUDED IN THE PRICE OF THE UNINTERRUPTIBLE POWER SUPPLY PAY ITEM.



- REMOVAL AND INSTALLATION NOTES:**
- 1 REMOVE EXISTING CONTROLLER AND CABINET. INSTALL NEW FULL-ACTUATED CONTROLLER AND TYPE IV CABINET ON EXISTING FOUNDATION. INSTALL 4 FT CONCRETE MAINTENANCE PAD (SEE DETAIL "A" THIS SHEET). INSTALL UPS.
  - 2 INSTALL NEW SIGNAL HEAD, LED, 1-FACE 3-SECTION, MAST ARM MOUNTED.
  - 3 REMOVE EXISTING SIGNAL HEAD, 1-FACE 5-SECTION, MAST ARM MOUNTED.
  - 4 INSTALL NEW SIGNAL HEAD, LED, 1-FACE 5-SECTION, MAST ARM MOUNTED.
  - 5 REMOVE EXISTING MAST ARM ASSEMBLY AND POLE. REMOVE EXISTING CONCRETE FOUNDATION. INSTALL NEW STEEL MAST ARM ASSEMBLY AND POLE, 24 FT ON NEW FOUNDATION AT PROPOSED LOCATION AS SHOWN IN PLAN.
  - 6 REMOVE EXISTING SIGNAL HEAD, 1-FACE 5-SECTION, BRACKET MOUNTED. REMOVE EXISTING TRAFFIC SIGNAL POST. REMOVE EXISTING CONCRETE FOUNDATION. INSTALL NEW TRAFFIC SIGNAL POST, 16 FT ON NEW FOUNDATION AT PROPOSED LOCATION AS SHOWN IN PLAN. INSTALL NEW SIGNAL HEAD, LED, 1-FACE 5-SECTION, BRACKET MOUNTED.
  - 7 REMOVE AND REINSTALL EXISTING LUMINAIRE ON NEW COMBINATION POLE. REMOVE EXISTING SIGNAL HEAD, 3-FACE 3-SECTION, BRACKET MOUNTED. REMOVE EXISTING COMBINATION POLE. REMOVE EXISTING CONCRETE FOUNDATION. INSTALL NEW STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 38 FT ON NEW FOUNDATION AT PROPOSED LOCATION AS SHOWN IN PLAN.
  - 8 REMOVE EXISTING TRAFFIC SIGNAL POST. REMOVE EXISTING CONCRETE FOUNDATION.
  - 9 REMOVE EXISTING SIGNAL HEAD, 1-FACE 5-SECTION, BRACKET MOUNTED. INSTALL NEW SIGNAL HEAD, LED, 1-FACE 5-SECTION, BRACKET MOUNTED.
  - 10 REMOVE AND REINSTALL EXISTING LUMINAIRE ON NEW COMBINATION POLE. REMOVE AND REINSTALL EXISTING EMERGENCY VEHICLE PREEMPTION LIGHT DETECTOR AND CONFIRMATION BEACON. REMOVE EXISTING SIGNAL HEAD, 1-FACE 3-SECTION, BRACKET MOUNTED. REMOVE EXISTING COMBINATION POLE. REMOVE EXISTING CONCRETE FOUNDATION. INSTALL NEW STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 34 FT ON NEW FOUNDATION AT PROPOSED LOCATION AS SHOWN IN PLAN.
  - 11 REMOVE EXISTING SIGNAL HEAD, 2-FACE, 1-3 SECTION, 1-5 SECTION BRACKET MOUNTED. INSTALL NEW SIGNAL HEAD, 1-FACE, 5-SECTION, BRACKET MOUNTED.

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

- |   |      |   |
|---|------|---|
| 1 | EACH | CONTROLLER AND CABINET (COMPLETE)             |
| 2 | EACH | SIGNAL HEAD, 1-FACE, 3-SECTION                |
| 1 | EACH | SIGNAL HEAD, 3-FACE, 3-SECTION                |
| 1 | EACH | SIGNAL HEAD, 2-FACE, 1-3-SECTION, 1-5-SECTION |
| 5 | EACH | SIGNAL HEAD, 1-FACE, 5-SECTION                |
| 3 | EACH | TRAFFIC SIGNAL BACKPLATE                      |
| 2 | EACH | TRAFFIC SIGNAL POST                           |
| 2 | EACH | COMBINATION MAST ARM ASSEMBLY AND POLE        |
| 1 | EACH | MAST ARM ASSEMBLY AND POLE                    |
| 1 | EACH | SERVICE INSTALLATION                          |

NOTE: RELOCATE EXISTING MAST ARM MOUNTED SIGNS TO NEW MAST ARMS.

NOTE: THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

NOTE: CONTRACTOR SHALL REINSTALL "EVP" EQUIPMENT WHERE SHOWN TO NEW MAST ARM AND CONTROLLER. THIS WORK SHALL BE INCLUDED IN COST FOR "FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL".

NOTE: THE CONTRACTOR SHALL BE REQUIRED TO MAINTAIN THE OPERATION OF THE TRAFFIC SIGNALS DURING THE ENTIRE PROJECT.