



**SOLID ROCK EXCAVATION**  
STA. 203+50 TO 205+00, LT

**STONE FILL, TYPE I**  
STA. 204+90 TO 205+30, LT  
STA. 207+40 TO 207+50, LT  
STA. 208+50 TO 209+50, RT

**RELOCATE MAILBOX, SINGLE SUPPORT**  
STA. 207+73, RT  
STA. 207+75, RT

**DURABLE 4 INCH WHITE LINE**  
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)  
STA. 203+50 TO 209+50, SOLID LT & RT  
STA. 206+73, SOLID LT (EDGE LINES, PETTINGILL ROAD TH-44)

**DURABLE 4 INCH YELLOW LINE**  
(ALL LINES WILL INCLUDE C BREAKS FOR SIDE ROADS)  
STA. 203+50 TO 209+50, SOLID LT & RT  
STA. 206+73, DOUBLE SOLID LT (PETTINGILL ROAD TH-44)

**DURABLE 24 INCH STOP BAR**  
STA. 206+73, LT (PETTINGILL ROAD TH-44)

**DURABLE LETTER OR SYMBOL**  
STA. 206+73, LT (PETTINGILL ROAD TH-44) "STOP"

**TEMPORARY 4 INCH WHITE LINE, PAINT**  
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)  
STA. 203+50 TO 209+50, SOLID LT & RT  
STA. 206+73, SOLID LT (EDGE LINES, PETTINGILL ROAD TH-44)

**TEMPORARY 4 INCH YELLOW LINE, PAINT**  
(ALL LINES WILL INCLUDE C BREAKS FOR SIDE ROADS)  
STA. 203+50 TO 209+50, SOLID LT & RT  
STA. 206+73, DOUBLE SOLID LT (PETTINGILL ROAD TH-44)

**TEMPORARY 24 INCH STOP BAR, PAINT**  
STA. 206+73, LT (PETTINGILL ROAD TH-44)

**TEMPORARY LETTER OR SYMBOL, PAINT**  
STA. 206+73, LT (PETTINGILL ROAD TH-44) "STOP"

**GEOTEXTILE UNDER STONE FILL**  
STA. 204+90 TO 205+30, LT  
STA. 207+40 TO 207+50, LT  
STA. 208+50 TO 209+50, RT

**GRUBBING MATERIAL**  
STA. 204+90 TO 205+30, LT  
STA. 207+40 TO 207+50, LT  
STA. 208+50 TO 209+50, RT

**REMOVING SIGNS**  
AS SHOWN - 4

**STONE FILL, TYPE I**  
STA. 210+00 TO 211+30, RT  
STA. 210+00 TO 211+50, LT  
STA. 211+90 TO 212+40, RT

**DURABLE 4 INCH WHITE LINE**  
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)  
STA. 209+50 TO 215+50, SOLID LT & RT

**DURABLE 4 INCH YELLOW LINE**  
(ALL LINES WILL INCLUDE C BREAKS FOR SIDE ROADS)  
STA. 209+50 TO 215+50, SOLID LT & RT

**TEMPORARY 4 INCH WHITE LINE, PAINT**  
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)  
STA. 209+50 TO 215+50, SOLID LT & RT

**TEMPORARY 4 INCH YELLOW LINE, PAINT**  
(ALL LINES WILL INCLUDE C BREAKS FOR SIDE ROADS)  
STA. 209+50 TO 215+50, SOLID LT & RT

**GEOTEXTILE UNDER STONE FILL**  
STA. 210+00 TO 211+30, RT  
STA. 210+00 TO 211+50, LT  
STA. 211+90 TO 212+40, RT

**GRUBBING MATERIAL**  
STA. 210+00 TO 211+30, RT  
STA. 210+00 TO 211+50, LT  
STA. 211+90 TO 212+40, RT

**REMOVING SIGNS**  
AS SHOWN - 1

**UD-13**  
STA 214+50 TO 218+80, RT  
CONSTRUCT 6 INCH UNDERDRAIN PIPE,  
SEE SHEET 12 FOR DETAIL AND  
ASSOCIATED QUANTITIES.

**CURVE #32**  
PC = 214+59.75  
PT = 218+04.92  
R = 1200'  
Δ = 16°28'50", LT  
D = 4°46'29"  
e = 7.0%  
L = 345.17'  
SEE SHEET 79

**CURVE #31**  
PC = 211+18.14  
PT = 213+96.79  
R = 1650'  
Δ = 9°40'34", RT  
D = 3°28'21"  
e = 5.8%  
L = 278.65'  
SEE SHEET 79

- NOTES:**
- FOR LEGENDS, SEE SHEET 20.
  - ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.
  - SEE SHEETS 8 & 9 FOR DURABLE PAVEMENT MARKINGS OPTIONS.

SOIL BORING DATA			
BORING#	DEPTH (FT.)	PCC	COMMENTS
B-121	5.0'	NO	



NOT TO SCALE

**PROJECT LAYOUT SHEET #23**

**PROJECT NAME:** ESSEX-WESTFORD  
**PROJECT NUMBER:** STP 2912(I)

**FILE NAME:** p10c226.dgn  
**PROJECT LEADER:** JLL  
**DESIGNED BY:** STANTEC  
**IPARM FILE:** p10c226123.i

**PLOT DATE:** 2/20/2013  
**DRAWN BY:** STANTEC  
**CHECKED BY:** STANTEC  
**SHEET 42 OF 239**