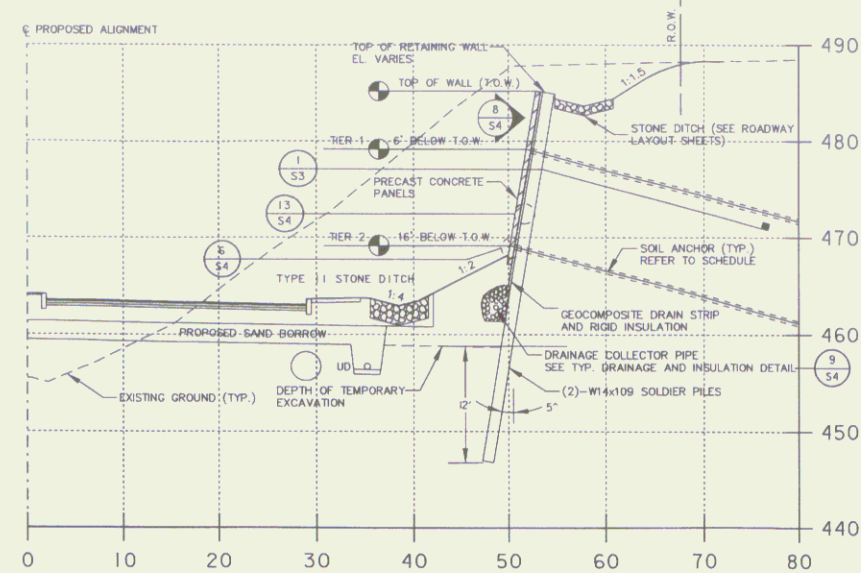
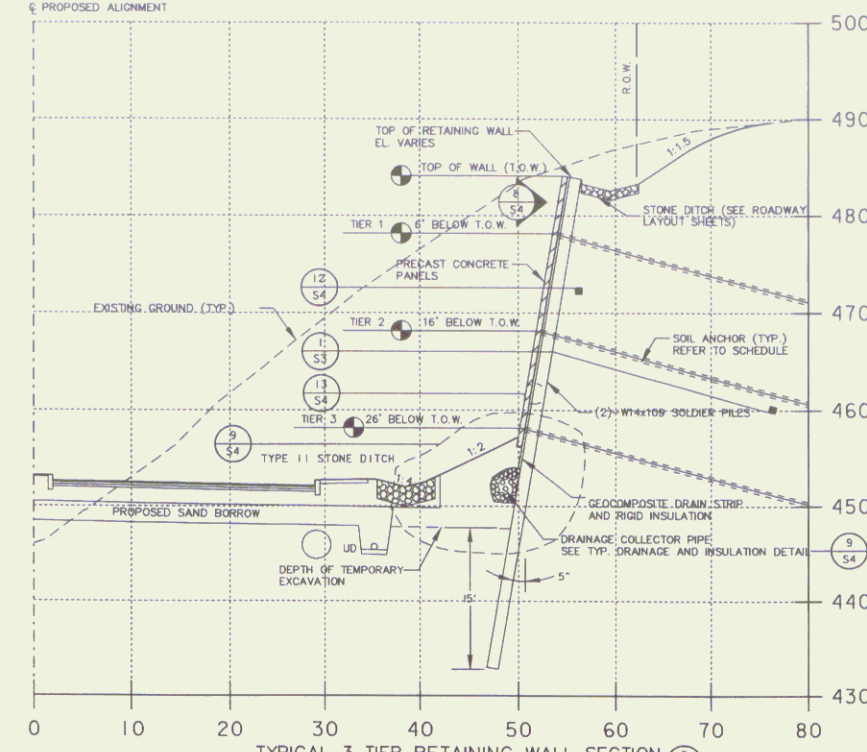


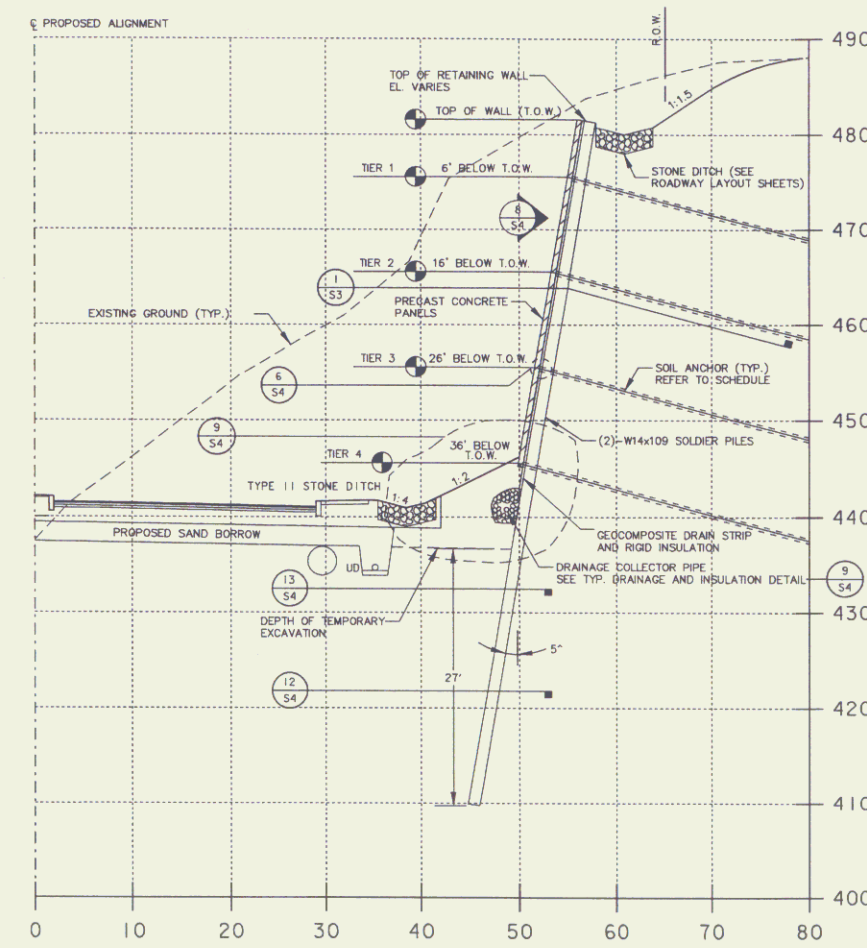
TYPICAL 1 TIER RETAINING WALL SECTION  
SCALE: 1"=10' (STA. 31+00 SHOWN)



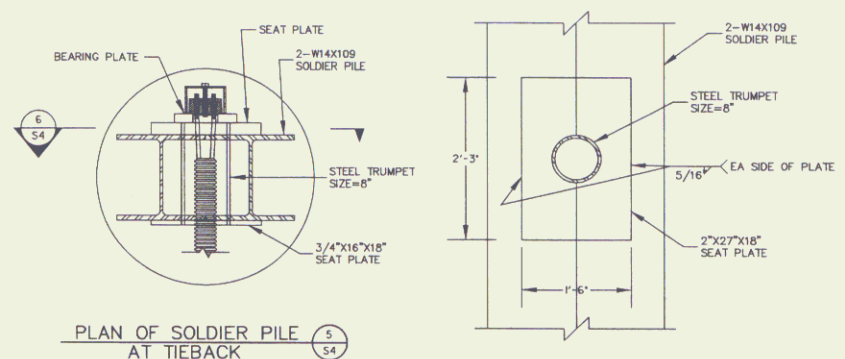
TYPICAL 2 TIER RETAINING WALL SECTION  
SCALE: 1"=10' (STA. 34+50 SHOWN)



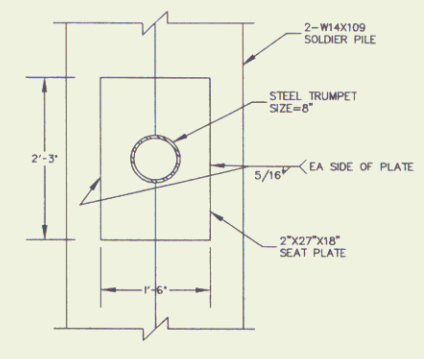
TYPICAL 3 TIER RETAINING WALL SECTION  
SCALE: 1"=10' (STA. 33+50 SHOWN)



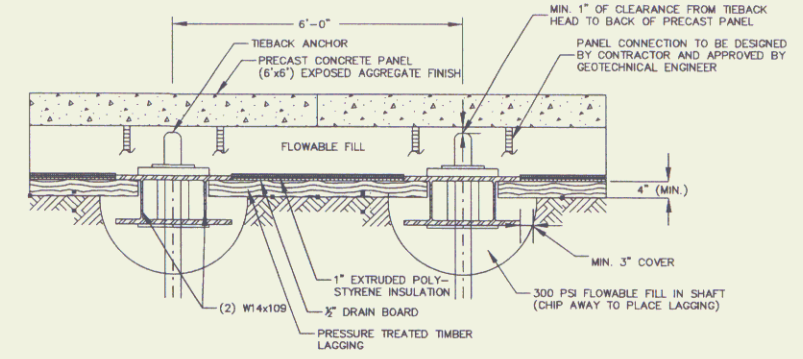
TYPICAL 4 TIER RETAINING WALL SECTION  
SCALE: 1"=10' (STA. 32+50 SHOWN)



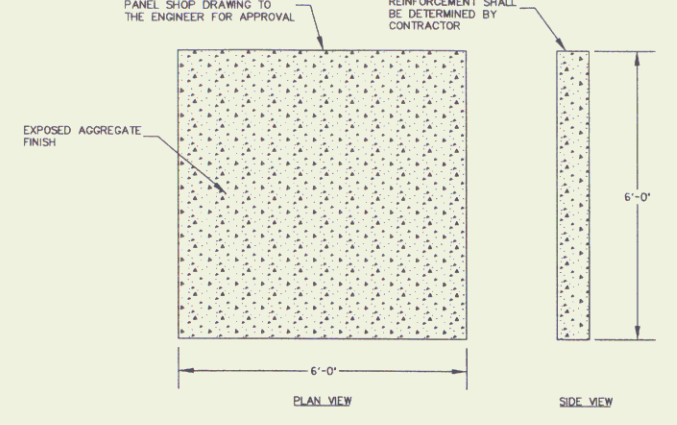
PLAN OF SOLDIER PILE AT TIEBACK  
N.T.S.



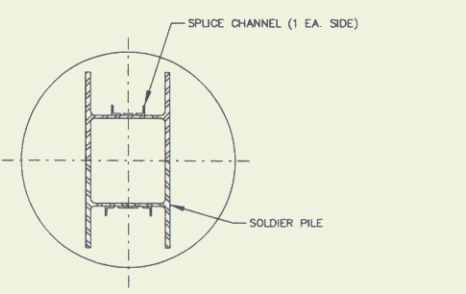
TYPICAL ELEVATION OF SOLDIER PILE AT TIEBACK  
SCALE: 3/4"=1'



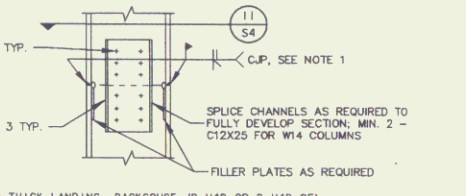
TYPICAL PLAN DETAIL AT PILE BETWEEN TIEBACKS  
SCALE: 1/2"=1'



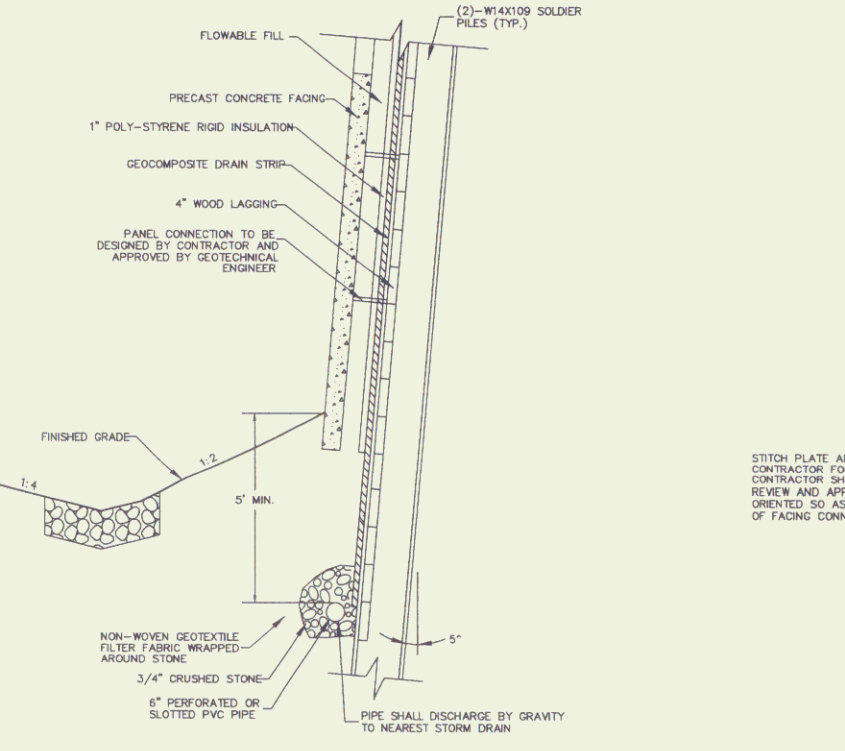
TYPICAL PRECAST PANEL DETAIL  
SCALE: 1/2"=1'



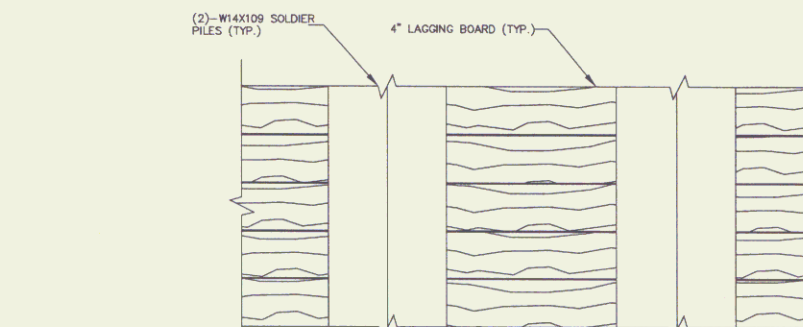
SECTION: PILE TO SUPPORT COLUMN SPLICE  
N.T.S.



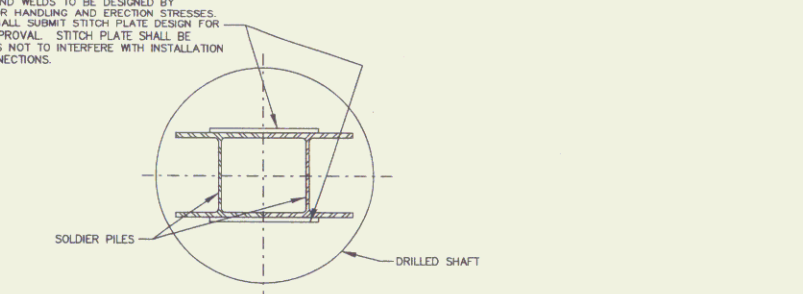
TYPICAL SOLDIER PILE SPLICE  
N.T.S.



TYPICAL DRAINAGE AND INSULATION DETAIL  
N.T.S.



TYPICAL ELEVATION VIEW FACING NOT SHOWN FOR CLARITY  
SCALE: 1/2"=1'



TYPICAL SECTION OF SOLDIER PILE  
N.T.S.

- NOTES:
- MIN. 1/4" THICK LAGGING, BACKGOUGE (B-U4B OR B-U4B-DF)
  - DESIGN CHANNEL AND BOLTS TO TRANSFER 100% OF THE COLUMN WEB SHEAR STRENGTH DEFINED AS 0.4 F<sub>TAK</sub>.
  - BOLT-WELDED SPLICE CHANNEL ACCEPTABLE ALTERNATE.
  - MIN. 3/8" DIA. A325 SLIP CRITICAL BOLTS.
  - CONTRACTOR TO DETERMINE LOCATION OF THE SOLDIER PILE SPLICE. MAX. ONE SPLICE PER PILE.
  - CONTRACTOR SHALL DESIGN SOLDIER PILE SPLICE DETAIL TO FULLY DEVELOP SECTION PROPERTIES AT THE SPLICE LOCATION. CONTRACTOR SHALL SUBMIT PROPOSED SPLICE DETAIL FOR REVIEW & APPROVAL BY THE GEOTECHNICAL ENGINEER.

PROJECT NAME: HARTFORD  
PROJECT NUMBER: RS 0113(40)  
FILE NAME: \*\*\*\*FILENAME\*\*\*  
PROJECT LEADER: KEVIN MARSHIA  
DESIGNED BY: J. HODKINSON  
EARTH RETENTION SYSTEM SHEET S4  
PLOT DATE: 03-JAN-2006  
DRAWN BY: P. MILEWSKI  
CHECKED BY: K. ISHIKURA  
ROW SHEET 9 of 62