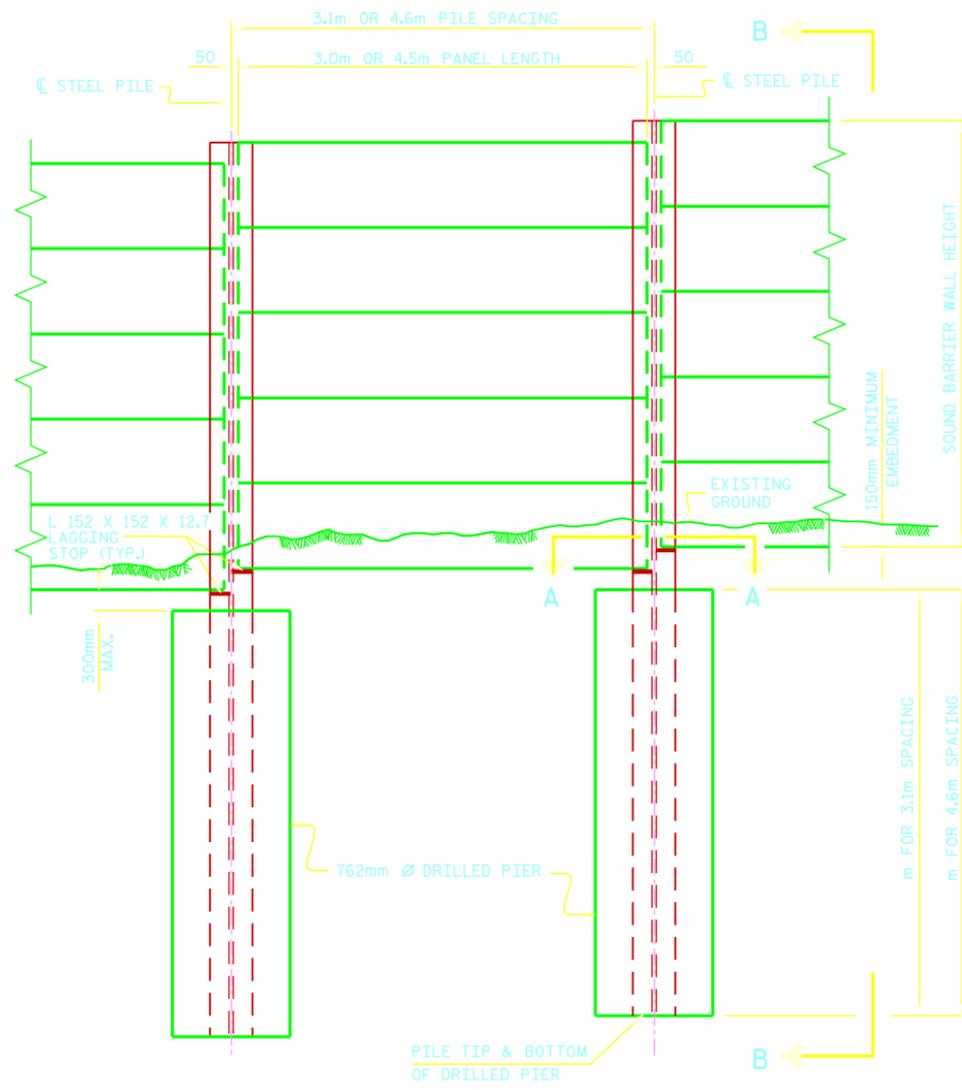
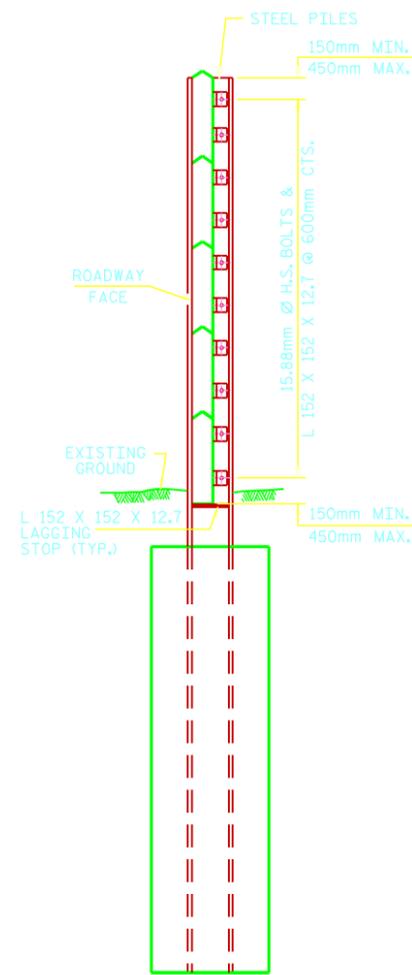


NOTES

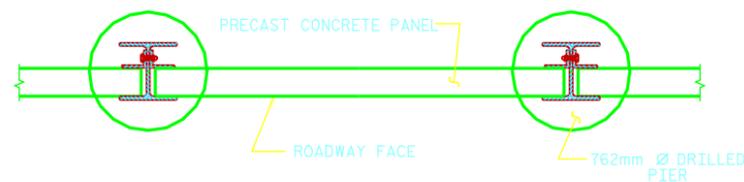
- ALL DIMENSIONS ARE SHOWN IN MILLIMETERS UNLESS OTHERWISE NOTED.
- FOR SOUND BARRIER WALL, SEE SPECIAL PROVISIONS.
- FOR METRIC STRUCTURAL STEEL, SEE SPECIAL PROVISIONS.
- SOUND BARRIER WALL SHALL BE CONSTRUCTED TO THE LINE AND GRADE AS SHOWN ON THE ROADWAY PLANS.
- THE BASE OF EACH BOTTOM PANEL SHALL BE FLAT.
- PILES, ANGLES, PLATES, AND LAGGING STOPS SHALL BE AASHTO M270 GRADE 345 GALVANIZED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS. BOLTS, NUTS, AND WASHERS SHALL ALSO BE GALVANIZED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS. ANY DAMAGE DONE TO GALVANIZATION DUE TO DRILLING, WELDING, OR OTHER OPERATION SHALL BE REPAIRED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS.
- ENGINEER WILL VERIFY LOCATION OF UNDERGROUND UTILITIES BEFORE DRILLING SHAFTS TO ENSURE SUFFICIENT CLEARANCE IS AVAILABLE.
- IN LIEU OF LAGGING STOPS, THE CONTRACTOR MAY USE A NON-SHRINK NON-METALLIC GROUT AS APPROVED BY THE ENGINEER BETWEEN THE FLANGES OF THE STEEL PILES FROM THE TOP OF THE DRILLED PIER CONCRETE TO THE ELEVATION REQUIRED TO SUPPORT THE BOTTOM PANEL.
- THE TOP AND BOTTOM OF DRILLED PIER ELEVATIONS SHALL BE ADJUSTED TO MAINTAIN 150mm MINIMUM EMBEDMENT OF BOTTOM PANEL.
- CONCRETE FOR PANELS SHALL BE CLASS AA. CONCRETE FOR DRILLED PIERS SHALL BE CLASS A.
- ALL PLATES AND ANGLES USED TO SECURE PANELS SHALL BE 150mm IN LENGTH AS MEASURED ALONG THE PILE.
- THE CONTRACTOR MAY USE EITHER 'W' PILES OR 'HP' PILES, PROVIDED THEY SATISFY THE MINIMUM PILE SIZE REQUIRED IN THE TABLE. PILES SMALLER THAN W310 OR HP310 ARE NOT PERMITTED. AT TURNS, ONLY W310 OR HP310 PILES ARE PERMITTED IN THE 914mm DIAMETER DRILLED PIERS.
- AT THE CONTRACTOR'S OPTION, PILE SPACING MAY BE 3.1m OR 4.6m.
- SPLICING OF PILES IS NOT PERMITTED.



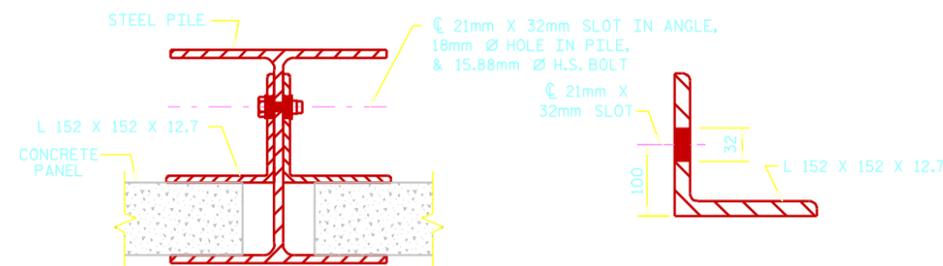
ELEVATION



SECTION B-B

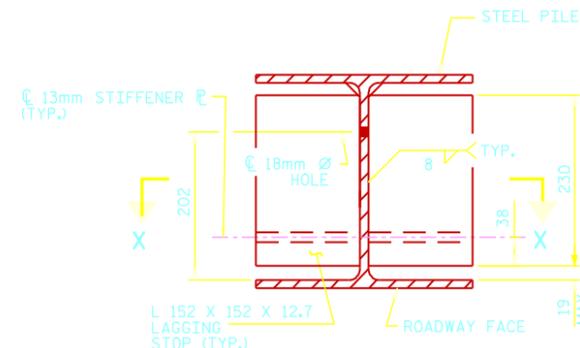


PLAN

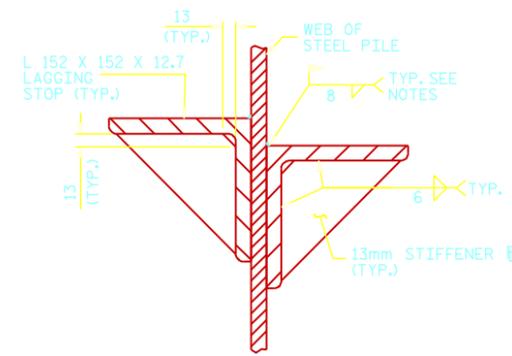


CONNECTION DETAIL

ANGLE DETAIL



SECTION A-A



SECTION X-X

PROJECT NO. _____

_____ COUNTY

STATION: _____

SHEET OF _____

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

**STANDARD
SOUND BARRIER WALL**

ASSEMBLED BY :	DATE :
CHECKED BY :	DATE :
DRAWN BY : JAD 5/01	REV. 2/4/03 RWW/CVC
CHECKED BY : RDR 5/01	REV. 5/7/03 RWW/JTE
	REV. 5/1/06 TLA/GM

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	TOTAL SHEETS
1			3			
2			4			