

STATE	FEDERAL PROJECT NO.	SHEET	TOTAL SHEETS
N. J.			
STRUCTURE NO.			
STRUCTURE NAME			

NOTE TO DESIGNER:

THIS SHEET IS NOT TO BE PLACED INTO THE CONTRACT SET OF PLANS AS IS. HOWEVER, INDIVIDUAL DETAILS SHALL BE UTILIZED IN PROVIDING PROJECT SPECIFIC REQUIREMENTS.

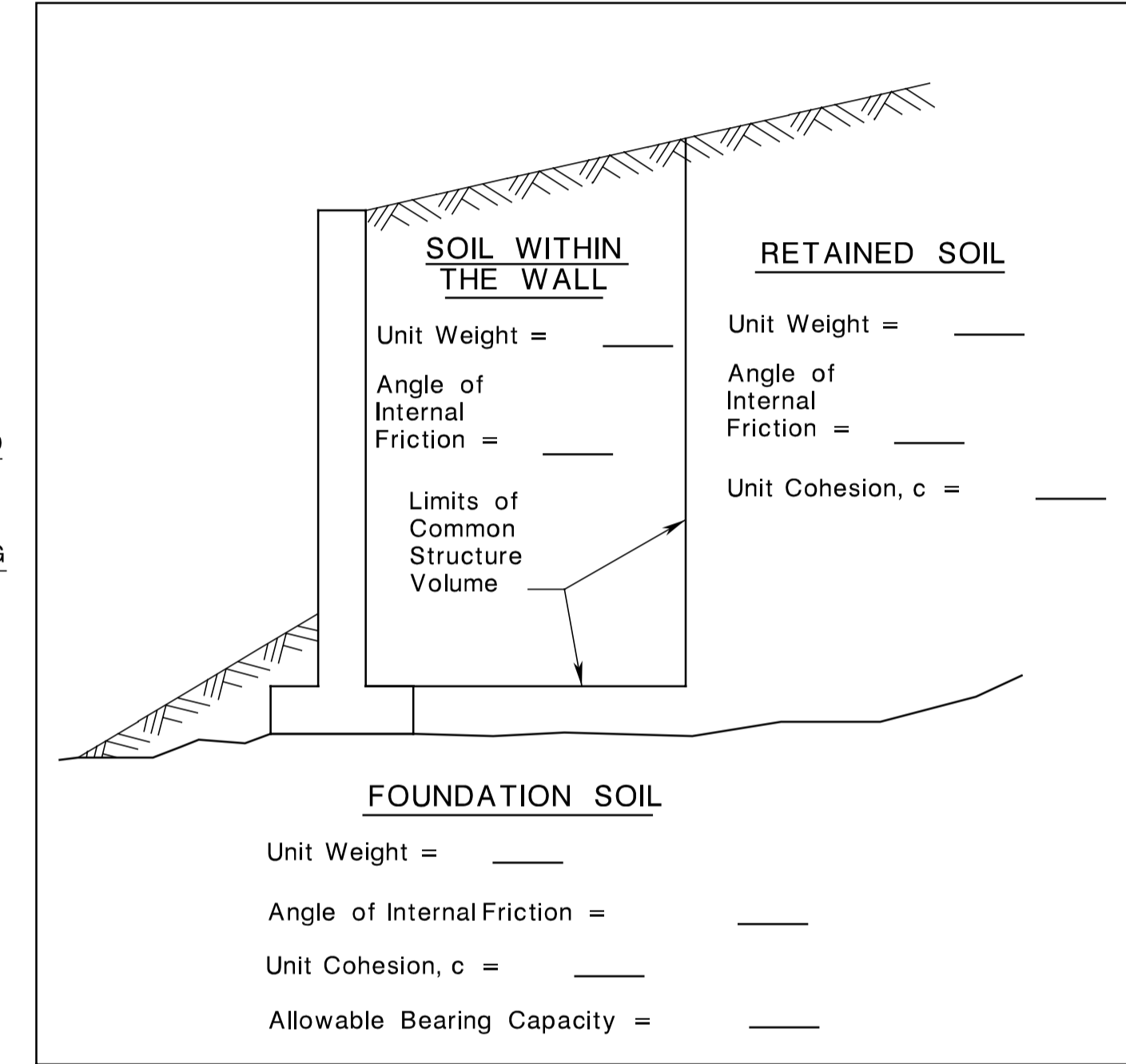
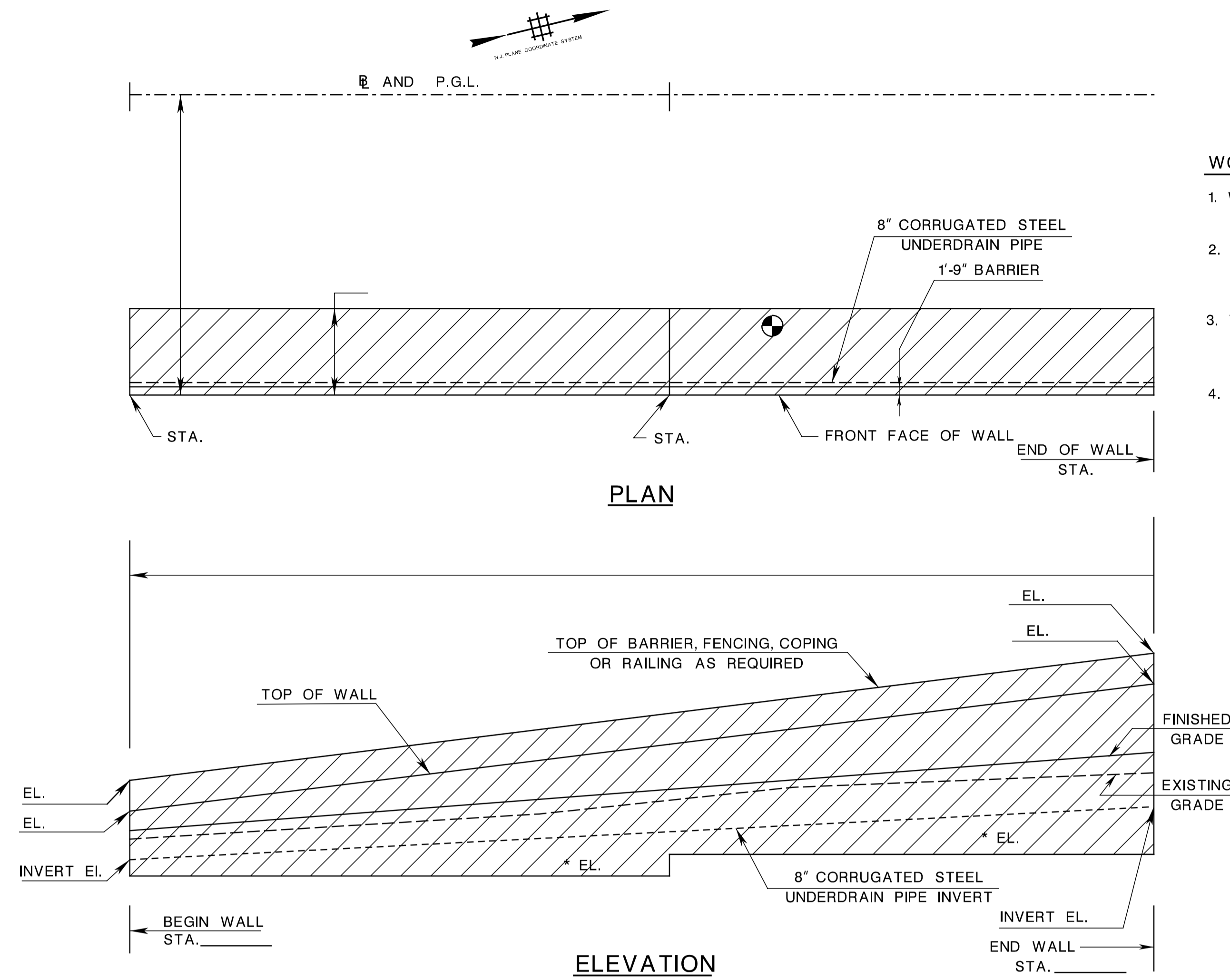
WORKING ITEMS:

1. WORK ITEMS WILL BE GOVERNED BY THE APPROPRIATE SECTIONS OF THE SPECIFICATIONS.
2. ALL ITEMS OF WORK TO COMPLETE THE COMMON STRUCTURE VOLUME SHALL BE FULLY DETAILED ON THE SHOP DRAWINGS AND SHALL BE CONSISTENT WITH THE DETAILS SHOWN ON THESE PLANS AND SPECIFICATIONS.
3. TEMPORARY SHEETING DESIGN AND INSTALLATION, IF REQUIRED, BE INCLUDED AS A SEPARATE ITEM AND ON A SEPARATE WORKING DRAWING FROM THE RETAINING WALL.
4. ROADWAY EXCAVATION IS NOT INCLUDED AS A WORK ITEM AND IS PAID FOR SEPARATELY.

GENERAL NOTES:

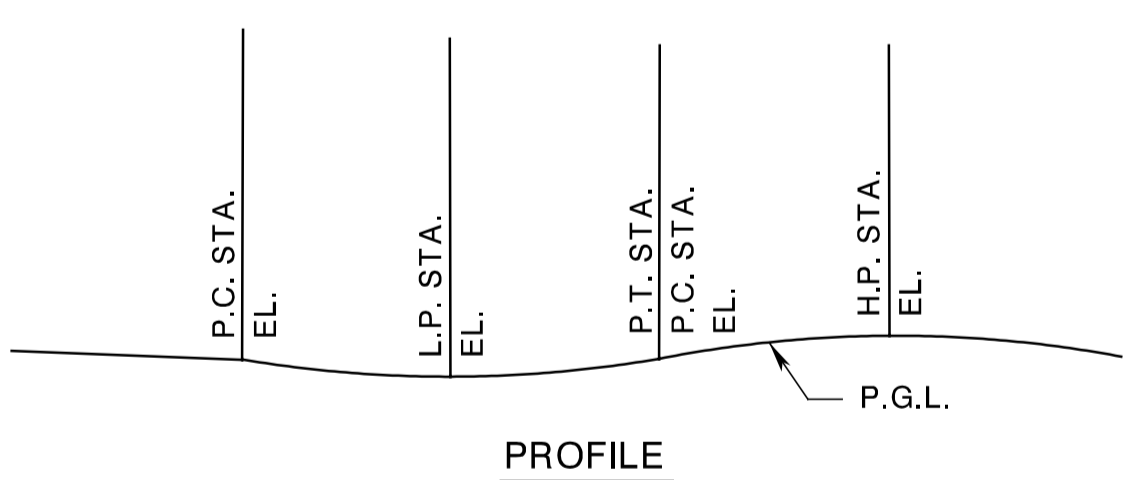
1. DESIGN SPECIFICATIONS
 - (A) 1996 (16TH EDITION) AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES (WITH CURRENT INTERIMS) AS MODIFIED BY SECTION 3A OF NJDOT DESIGN MANUAL FOR BRIDGES AND STRUCTURES.
 - (B) SEISMIC PERFORMANCE CATEGORY (SPC) = B.
ACCELERATION COEFFICIENT "A" = _____
SOIL PROFILE = _____
2. CONSTRUCTION SPECIFICATIONS
THE NJDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION WITH CURRENT SUPPLEMENTAL SPECIFICATIONS, AS MODIFIED BY THE SPECIAL PROVISIONS.
3. LIVE LOADINGS
LIVE LOAD SURCHARGE EQUAL TO 2'-0" OF EARTH PRESSURE.
4. LIVE LOAD DESIGN STRESSES
 - (A) SPECIFIED DESIGN COMPRESSIVE STRENGTHS (f'c)
CLASS A CONCRETE (PARAPETS) -----4,000 PSI
CLASS B CONCRETE (FOOTINGS, LEVELING PADS) -----3,000 PSI
CLASS P CONCRETE (PRECAST UNITS)-----5,000 PSI
 - (B) CLASS DESIGN STRENGTHS
CLASS A CONCRETE (PARAPETS) -----4,600 PSI
CLASS B CONCRETE (FOOTINGS, LEVELING PADS)-----3,700 PSI
CLASS P CONCRETE (PRECAST UNITS)-----5,500 PSI
 - (C) ALLOWABLE STRENGTHS, EXTREME FIBER IN COMPRESSION (fc)
CLASS A CONCRETE (PARAPETS) -----1,600 PSI
CLASS B CONCRETE (FOOTINGS, LEVELING PADS) -----1,200 PSI
CLASS P CONCRETE (PRECAST UNITS)-----2,000 PSI
5. REINFORCEMENT STEEL
ASTM A615 (GRADE 60) (Fs) = 24,000 PSI
6. BORINGS
 - INDICATES LOCATION OF BORINGS
 - LOG NO. _____
7. PREAPPROVED ALTERNATES:
AT THIS LOCATION, ALTERNATE WALL TYPES ARE PERMITTED. LISTED BELOW ARE THE WALL TYPES THAT MAY BE USED
 - PREFABRICATED MODULAR WALLS
 - MECHANICALLY STABILIZED EARTH WALL
 - ALTERNATE RETAINING WALL
8. WALLS SHALL BE DESIGNED USING THE FOLLOWING PARAMETERS :
 SLIDING FACTOR OF SAFETY1.5
 OVERTURNING FACTOR OF SAFETY2.0

* The note should be modified to reflect applicable year and updated Specifications.



WORK ITEMS - WALL 1				
FOR INFORMATION ONLY (Price to be included in Wall Items)				
DESCRIPTION	UNIT	APPROXIMATE QUANTITY		
		**	**	**
FOUNDATION EXCAVATION	C.Y.			
CONCRETE LEVELING PAD	L.F.			
CONCRETE IN STRUCTURES, FOOTINGS	C.Y.			
CONCRETE IN SUPERSTRUCTURES, PARAPET (BARRIER CURB)	L.F.			
POROUS FILL I-9	C.Y.			
8" CORRUGATED STEEL UNDERDRAIN PIPE	L.F.			
SPECIFIED BACKFILL	C.Y.			
PRECAST WALL ELEMENT	S.F.	***	***	***
BORROW EXCAVATION, ZONE-3	C.Y.			
(1)				
(1)				

(1) ADD ITEMS AS REQUIRED ** INSERT THE NAMES OF ALL FEASIBLE WALL TYPES
 *** THE LIMIT OF THIS QUANTITY EXTENDS FROM TOP OF THE LEVELING PAD TO THE BOTTOM OF THE CONCRETE BARRIER



CURVE DATA			
CURVE NO. 1	P.C.	P.I.	P.T.
STATION			
BEARING			
COORDINATES			

LEGEND

- FOUNDATION EXCAVATION
- PAY LIMITS
- BOTTOM OF FOOTING ELEVATION

ESTIMATE OF QUANTITIES - WALL 1				
PAY ITEM NO.	STANDARD ITEM NO.	DESCRIPTION	UNIT	CONTRACT QUANTITY
		RETAINING WALL, LOCATION NO.	S.F.	
		NO ITEM		
		NO ITEM		
		NO ITEM		

CONTROL SECTION		JOB NO.	
DES. BY	CHK. BY		
DWN. BY	CHK. BY		
EST. BY	CHK. BY		
SPECS. BY			
IN CHARGE OF _____			

BDC04MB-01

STANDARD DRAWING PLATE 2.10-1

NEW JERSEY DEPARTMENT OF TRANSPORTATION
BUREAU OF STRUCTURAL ENGINEERING

WALL 1
SAMPLE CONTROL PLAN (SHEET 1)

ROUTE : _____ SECTION : _____

MUNICIPALITY : _____ COUNTY : _____

SCALE : NONE

BRIDGE SHEET NO. _____ OF _____

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