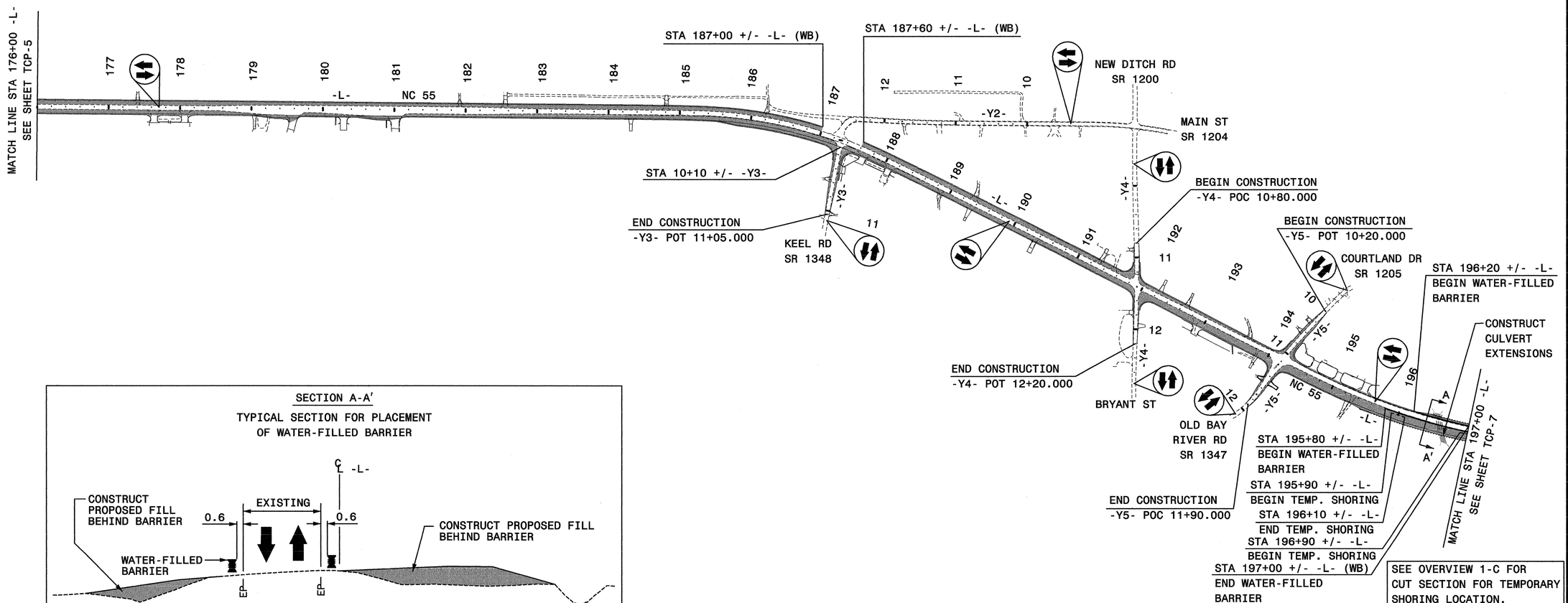
PROJ. REFERENCE NO.	SHEET NO.
R-2539C	TCP-6

GREENHORNE & O'MARA, INC.
5565 CENTERVIEW DRIVE, SUITE 107
RALEIGH, NORTH CAROLINA 27606
(919) 851-1919

FOR DESIGN OF TEMPORARY SHORING, USE THE FOLLOWING SOIL PARAMETERS:
UNIT WT. OF SOIL ABOVE WATER TABLE, γ = 120 lbs/ft^3
UNIT WT. OF SOIL BELOW WATER TABLE, γ' = 60 lbs/ft^3
FRICTION ANGLE, ϕ = 30°
COHESION, c = 0 psf

DO NOT USE STANDARD SHORING DESIGN FROM:
STA. 195+90 +/- TO STA. 196+10 +/--L- , 4.0m RT
STA. 196+90 +/- TO STA. 198+50 +/--L- , 4.0m RT
STA. 198+70 +/- TO STA. 199+70 +/--L- , 5.0m RT
STA. 200+10 +/- TO STA. 200+50 +/--L- , 6.5m RT
STA. 200+90 +/- TO STA. 201+20 +/--L- , 6.5m RT
STA. 201+20 +/- TO STA. 201+40 +/--L- , VARIES 6.5m TO 9.0m RT
STA. 201+40 +/- TO STA. 201+70 +/--L- , 9.0m RT
STA. 202+50 +/- TO STA. 202+70 +/--L- , 7.7m RT

CONTRACTOR IS RESPONSIBLE FOR SUBMITTING SHORING DESIGN. ON THE UNDERCUT SIDE OF ALL SHORING LOCATIONS, THE WATER TABLE MUST BE ASSUMED AT THE BOTTOM OF UNDERCUT. DESIGN MUST ADDRESS UNBALANCED HYDROSTATIC PRESSURE DUE TO REMOVAL OF UNSUITABLE MATERIAL.



SEE OVERVIEW 1-C FOR CUT SECTION FOR TEMPORARY SHORING LOCATION.

SECTION A-A'

TYPICAL SECTION FOR PLACEMENT OF WATER-FILLED BARRIER

BARRIER LOCATIONS

STA 195+80 +/- -L- (EB) TO STA 201+83 +/- -L- (EB)
STA 196+20 +/- -L- (WB) TO STA 197+00 +/- -L- (WB)
STA 199+20 +/- -L- (WB) TO STA 200+20 +/- -L- (WB)
STA 202+40 +/- -L- (EB) TO STA 202+80 +/- -L- (EB)
STA 205+65 +/- -L- (EB) TO STA 206+12 +/- -L- (EB)
STA 205+85 +/- -L- (WB) TO STA 206+30 +/- -L- (WB)

LEGEND

= PROPOSED CONSTRUCTION AND/OR RESURFACING

= WEDGING & WIDENING

APPROVED: Donna Keener DATE: 9-3-04

SEAL

NORTH CAROLINA PROFESSIONAL SEAL 18505 ENGINEER DONNA C. KEENER

PHASE I OVERVIEW (B)

SCALE:	NONE
DATE:	8/2/04
DWG. BY:	RPS/PMW
DESIGN BY:	PMW
REVIEWED BY:	DCK

DIVISION OF HIGHWAYS STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

REVISIONS

CADD FILE OVERVIEW1B.DGN

$$$$SYSTIME$$$$
$$$$DGN$$$$
$$$$USERNAME$$$$