



PROJ. REFERENCE NO.	SHEET NO.
R-2518A	TCP-2C

TEMPORARY SHORING NOTES

TEMPORARY SHORING NO. 1 (SEE SHEET TCP-12)

FOR TEMPORARY SHORING, SEE TEMPORARY SHORING SPECIAL PROVISION.

USE A TEMPORARY MSE WALL FROM STATION 19+58+/- -L-, 0.54 m LEFT, TO STATION 19+88+/- -L-, 0.83 m LEFT. SEE TEMPORARY SHORING SPECIAL PROVISION AND STANDARD TEMPORARY MSE WALL DETAILS.

NO SUBSURFACE INFORMATION IS AVAILABLE IN THE VICINITY OF THE TEMPORARY SHORING. THE INFORMATION PROVIDED FOR DESIGN WAS ASSUMED AND MAY NOT BE APPLICABLE TO THE ACTUAL SITE CONDITIONS ENCOUNTERED DURING CONSTRUCTION. SEE SUBSURFACE INVENTORY REPORTS FOR ANY ADDITIONAL INFORMATION.

DRIVEN PILING FOR TEMPORARY SHORING FROM STATION 19+58+/- -L-, 0.54 m LEFT, TO STATION 19+88+/- -L-, 0.83 m LEFT MAY NOT PENETRATE BELOW ELEVATION 650 m DUE TO THE PRESENCE OF AN OBSTRUCTION. VERY DENSE OR HARD SOIL, WEATHERED OR HARD ROCK. SEE SUBSURFACE INFORMATION FOR ADDITIONAL DETAILS.

FOR CONTRACTOR DESIGNED SHORING, SURVEY THE SHORING LOCATION TO DETERMINE EXISTING ELEVATIONS AND ACTUAL DESIGN HEIGHTS BEFORE BEGINNING DESIGN.

WHEN USING CONTRACTOR DESIGNED SHORING, USE THE FOLLOWING SOIL PARAMETERS:

- UNIT WEIGHT OF SOIL ABOVE WATER TABLE, $\gamma = 120$ PCF
- UNIT WEIGHT OF SOIL BELOW WATER TABLE, $\gamma = 60$ PCF
- FRICTION ANGLE, $\phi = 30$ DEGREES
- COHESION, $c = 0$ PSF

FOR PORTABLE CONCRETE BARRIERS ABOVE AND BEHIND TEMPORARY SHORING, USE AN NCDOT PORTABLE CONCRETE BARRIER (UNANCHORED OR ANCHORED) OR AN OREGON TALL F-SHAPE CONCRETE BARRIER IN ACCORDANCE WITH THE TRAFFIC CONTROL PLANS.

TEMPORARY SHORING NO. 2 (SEE SHEET TCP-12)

FOR TEMPORARY SHORING, SEE TEMPORARY SHORING SPECIAL PROVISION.

DO NOT USE STANDARD SHORING FROM STATION 19+53+/- -L-, 5.6 m RIGHT, TO STATION 19+85+/- -L-, 1.8 m RIGHT. CONTRACTOR DESIGNED SHORING IS REQUIRED. SEE TEMPORARY SHORING SPECIAL PROVISION.

IT MAY BE PREFERRED OR NECESSARY TO ANCHOR THE TEMPORARY SHORING FROM 19+53+/- -L-, 5.6 m RIGHT, TO STATION 19+85+/- -L-, 1.8 m RIGHT. THE TEMPORARY SHORING SPECIAL PROVISION DOES NOT APPLY TO ANCHORED TEMPORARY SHORING. IF ANCHORED TEMPORARY SHORING IS PROPOSED, THE ENGINEER WILL PROVIDE AN APPLICABLE SPECIAL PROVISION.

NO SUBSURFACE INFORMATION IS AVAILABLE IN THE VICINITY OF THE TEMPORARY SHORING. THE INFORMATION PROVIDED FOR DESIGN WAS ASSUMED AND MAY NOT BE APPLICABLE TO THE ACTUAL SITE CONDITIONS ENCOUNTERED DURING CONSTRUCTION. SEE SUBSURFACE INVENTORY REPORTS FOR ANY ADDITIONAL INFORMATION.

DRIVEN PILING FOR TEMPORARY SHORING FROM STATION 19+53+/- -L-, 5.6 m RIGHT, TO STATION 19+85+/- -L-, 1.8 m RIGHT MAY NOT PENETRATE BELOW ELEVATION 650 m DUE TO THE PRESENCE OF AN OBSTRUCTION. VERY DENSE OR HARD SOIL, WEATHERED OR HARD ROCK. SEE SUBSURFACE INFORMATION FOR ADDITIONAL DETAILS.

FOR CONTRACTOR DESIGNED SHORING, SURVEY THE SHORING LOCATION TO DETERMINE EXISTING ELEVATIONS AND ACTUAL DESIGN HEIGHTS BEFORE BEGINNING DESIGN.

WHEN USING CONTRACTOR DESIGNED SHORING, USE THE FOLLOWING SOIL PARAMETERS:

- UNIT WEIGHT OF SOIL ABOVE WATER TABLE, $\gamma = 120$ PCF
- UNIT WEIGHT OF SOIL BELOW WATER TABLE, $\gamma = 60$ PCF
- FRICTION ANGLE, $\phi = 30$ DEGREES
- COHESION, $c = 0$ PSF

FOR PORTABLE CONCRETE BARRIERS ABOVE AND BEHIND TEMPORARY SHORING, USE AN NCDOT PORTABLE CONCRETE BARRIER (UNANCHORED OR ANCHORED) OR AN OREGON TALL F-SHAPE CONCRETE BARRIER IN ACCORDANCE WITH THE TRAFFIC CONTROL PLANS.

TEMPORARY SHORING NO. 3 (SEE SHEET TCP-13)

FOR TEMPORARY SHORING, SEE TEMPORARY SHORING SPECIAL PROVISION.

USE A TEMPORARY MSE WALL FROM 21+24+/- -L-, 0.54 m LEFT, TO STATION 21+51+/- -L-, 0.86 m LEFT. SEE TEMPORARY SHORING SPECIAL PROVISION AND STANDARD TEMPORARY MSE WALL DETAILS.

NO SUBSURFACE INFORMATION IS AVAILABLE IN THE VICINITY OF THE TEMPORARY SHORING. THE INFORMATION PROVIDED FOR DESIGN WAS ASSUMED AND MAY NOT BE APPLICABLE TO THE ACTUAL SITE CONDITIONS ENCOUNTERED DURING CONSTRUCTION. SEE SUBSURFACE INVENTORY REPORTS FOR ANY ADDITIONAL INFORMATION.

DRIVEN PILING FOR TEMPORARY SHORING FROM STATION 21+24+/- -L-, 0.54 m LEFT, TO STATION 21+51+/- -L-, 0.86 m LEFT MAY NOT PENETRATE BELOW ELEVATION 655 m DUE TO THE PRESENCE OF AN OBSTRUCTION. VERY DENSE OR HARD SOIL, WEATHERED OR HARD ROCK. SEE SUBSURFACE INFORMATION FOR ADDITIONAL DETAILS.

FOR CONTRACTOR DESIGNED SHORING, SURVEY THE SHORING LOCATION TO DETERMINE EXISTING ELEVATIONS AND ACTUAL DESIGN HEIGHTS BEFORE BEGINNING DESIGN.

WHEN USING CONTRACTOR DESIGNED SHORING, USE THE FOLLOWING SOIL PARAMETERS:

- UNIT WEIGHT OF SOIL ABOVE WATER TABLE, $\gamma = 120$ PCF
- UNIT WEIGHT OF SOIL BELOW WATER TABLE, $\gamma = 60$ PCF
- FRICTION ANGLE, $\phi = 30$ DEGREES
- COHESION, $c = 0$ PSF

FOR PORTABLE CONCRETE BARRIERS ABOVE AND BEHIND TEMPORARY SHORING, USE AN NCDOT PORTABLE CONCRETE BARRIER (UNANCHORED OR ANCHORED) OR AN OREGON TALL F-SHAPE CONCRETE BARRIER IN ACCORDANCE WITH THE TRAFFIC CONTROL PLANS.

21-AUG-2008 16:36 \\dot\dfsroot\dot\pro\dot\pprojects-r\2518a\trafficcontrol\tcp-r-2518a.TC.TCP-2C.dgn

APPROVED: _____	DATE: _____	TEMPORARY SHORING NOTES	
	SCALE: NONE		REVISIONS
	DATE: 07/07		
	DWG. BY: RMG		
	DESIGN BY: RMG		
REVIEWED BY: JDK			