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FOR TEMPORARY BEFORE BEGINN	/ SHOR NING T
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STATION 13+47 26.0 FT RT. 1	7.00 + FO STA
	UN FR CO GB
LIMITED SUBSU 6.0 FT RT. TO	JRFACE ) STAT
26.0 FT RT, A PROVIDED FOR DURING CONSTR	AND FR TEMPO
DRIVEN PILING FROM STATION	G FOR 13+47
26.0 FT RT. T DENSE OR HARD	FO STA D SOIL
AT THE CONTRA TO STATION 13 AND FROM STAT STANDARD TEMF	ACTOR'S 3+47.0 FION 1 PORARY
SHORING LOCAT	TION N
FOR TEMPORARY BEFORE BEGINN	/ SHOR NING T
DESIGN TEMPOF	RARY S
18.8 FT RT. 1	2.00 + FO STA
	FR CO GR
LIMITED SUBSU 25.4 FT RT. 1	JRFACE
18.8 FF RF, A PROVIDED FOR DURING CONSTF	AND FR TEMPO RUCTIO
DRIVEN PILING FROM STATION	G FOR 16+82
DENSE OR HARD	D SOIL
AT THE CONTRA TO STATION 16 AND FROM STAT STANDARD TEMF	ACTOR'S 5+82.0 ION 1 PORARY

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SHORING CATION NO.	FROM STATION AND OFFSET	TO STATION AND OFFSET	ESTIMATED AVERAGE HEIGHT	ESTIMATED MAXIMUM HEIGHT	SHORING LOCATION TYPE
NO. 1	STA. 12+50.00+/L- 6.0 FT. RT.	STA. 13+47.00+/L- 19.8 FT. RT.	3.8 FT.	5.5 FT.	ROADWAY
	STA. 13+47.00+/L- 19.8 FT. RT.	STA. 13+99.00+/L- 26.0 FT. RT.	6.3 FT.	9.0 FT.	ROADWAY
	STA. 13+99.00+/L- 26.0 FT. RT.	STA. 14+18.00+/L- 26.0 FT. RT.	8.6 FT.	9.0 FT.	ROADWAY
NO. 2	STA. 16+59.00+/L- 25.4 FT. RT.	STA. 16+82.00+/L- 25.1 FT. RT.	8.8 FT.	9.0 FT.	ROADWAY
	STA. 16+82.00+/L- 25.1 FT. RT.	STA. 17+25.00+/L- 18.8 FT. RT.	4.8 FT.	9.0 FT.	ROADWAY
	STA. 17+25.00+/L- 18.8 FT. RT.	STA. 18+50.00+/L- 2.1 FT. LT.	2.6 FT.	3.0 FT.	ROADWAY

## TEMPORARY SHORING NOTES

SHORING AND POSITIVE PROTECTION FOR TEMPORARY SHORING, SEE PLANS AND TEMPORARY SHORING PROVISION. NG TEMPORARY SHORING DESIGN OR CONSTRUCTION, SURVEY EXISTING GROUND ELEVATIONS IN THE VICINITY OF ONS TO DETERMINE ACTUAL SHORING HEIGHTS.

RY SHORING FROM STATION 12+50.00 +/- -L-, 6.0 FT RT. TO STATION 13+47.00 +/- -L-, 19.8 FT RT, FROM DO +/- -L-, 19.8 FT RT. TO STATION 13+99.00 +/- -L-, 26.0 FT RT, AND FROM STATION 13+99.00 +/- -L-, STATION 14+18.00 +/- -L-, 26.0 FT RT. FOR THE FOLLOWING ASSUMED SOIL PARAMETERS AND GROUNDWATER ELEVATION:

UNIT WEIGHT  $(\mathcal{Y}) = 120 \text{ LB/CF}$ FRICTION ANGLE  $(\phi) = 30 \text{ DEGREES}$ COHESION (c) = 0 LB/SF GROUNDWATER ELEVATION = 850 FT

FACE INFORMATION IS AVAILABLE IN THE VICINITY OF TEMPORARY SHORING FROM STATION 12+50.00 +/- -L-, STATION 13+47.00 +/- -L-, 19.8 FT RT, FROM STATION 13+47.00 +/- -L-, 19.8 FT RT. TO STATION 13+99.00 +/- -L-, D FROM STATION 13+99.00 +/- -L-, 26.0 FT RT. TO STATION 14+18.00 +/- -L-, 26.0 FT RT. THE INFORMATION EMPORARY SHORING DESIGN WAS ASSUMED AND MAY NOT BE APPLICABLE TO THE ACTUAL SITE CONDITIONS ENCOUNTERED CTION.

FOR TEMPORARY SHORING FROM STATION 12+50.00 +/- -L-, 6.0 FT RT. TO STATION 13+47.00 +/- -L-, 19.8 FT RT, 3+47.00 +/- -L-, 19.8 FT RT. TO STATION 13+99.00 +/- -L-, 26.0 FT RT, AND FROM STATION 13+99.00 +/- -L-, STATION 14+18.00 +/- -L-, 26.0 FT RT. MAY NOT PENETRATE BELOW ELEVATION 835 FT DUE TO OBSTRUCTIONS, VERY SOIL, BOULDERS OR WEATHERED OR HARD ROCK.

TOR'S OPTION, USE STANDARD TEMPORARY SHORING FOR TEMPORARY SHORING FROM STATION 12+50.00 +/- -L-, 6.0 FT RT. 47.00 +/- -L-, 19.8 FT RT, FROM STATION 13+47.00 +/- -L-, 19.8 FT RT. TO STATION 13+99.00 +/- -L-, 26.0 FT RT, ON 13+99.00 +/- -L-, 26.0 FT RT. TO STATION 14+18.00 +/- -L-, 26.0 FT RT. SEE STANDARD DETAIL NO. 1801.01 FOR RARY SHORING.

<u>ON NO. 2</u>

SHORING AND POSITIVE PROTECTION FOR TEMPORARY SHORING, SEE PLANS AND TEMPORARY SHORING PROVISION. NG TEMPORARY SHORING DESIGN OR CONSTRUCTION, SURVEY EXISTING GROUND ELEVATIONS IN THE VICINITY OF DNS TO DETERMINE ACTUAL SHORING HEIGHTS.

RY SHORING FROM STATION 16+59.00 +/- -L-, 25.4 FT RT. TO STATION 16+82.00 +/- -L-, 25.1 FT RT, FROM DO +/- -L-, 25.1 FT RT. TO STATION 17+25.00 +/- -L-, 18.8 FT RT, AND FROM STATION 17+25.00 +/- -L-, STATION 18+50.00 +/- -L-, 2.1 FT LT. FOR THE FOLLOWING ASSUMED SOIL PARAMETERS AND GROUNDWATER ELEVATION:

UNIT WEIGHT  $(\gamma) = 120 \text{ LB/CF}$ FRICTION ANGLE  $(\phi) = 30 \text{ DEGREES}$ COHESION (c) = 0 LB/SF GROUNDWATER ELEVATION = 855 FT

FACE INFORMATION IS AVAILABLE IN THE VICINITY OF TEMPORARY SHORING FROM STATION 16+59.00 +/- -L-, STATION 16+82.00 +/- -L-, 25.1 FT RT, FROM STATION 16+82.00 +/- -L-, 25.1 FT RT. TO STATION 17+25.00 +/- -L-, D FROM STATION 17+25.00 +/- -L-, 18.8 FT RT. TO STATION 18+50.00 +/- -L-, 2.1 FT LT. THE INFORMATION EMPORARY SHORING DESIGN WAS ASSUMED AND MAY NOT BE APPLICABLE TO THE ACTUAL SITE CONDITIONS ENCOUNTERED CTION.

FOR TEMPORARY SHORING FROM STATION 16+59.00 +/- -L-, 25.4 FT RT. TO STATION 16+82.00 +/- -L-, 25.1 FT RT, 6+82.00 +/- -L-, 25.1 FT RT. TO STATION 17+25.00 +/- -L-, 18.8 FT RT, AND FROM STATION 17+25.00 +/- -L-, STATION 18+50.00 +/- -L-, 2.1 FT LT. MAY NOT PENETRATE BELOW ELEVATION 844 FT DUE TO OBSTRUCTIONS, VERY SOIL, BOULDERS OR WEATHERED OR HARD ROCK.

TOR'S OPTION, USE STANDARD TEMPORARY SHORING FOR TEMPORARY SHORING FROM STATION 16+59.00 +/- -L-, 25.4 FT RT. 32.00 +/- -L-, 25.1 FT RT, FROM STATION 16+82.00 +/- -L-, 25.1 FT RT. TO STATION 17+25.00 +/- -L-, 18.8 FT RT, ON 17+25.00 +/- -L-, 18.8 FT RT. TO STATION 18+50.00 +/- -L-, 2.1 FT LT. SEE STANDARD DETAIL NO. 1801.01 FOR RARY SHORING.

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APPROVED: Shiping Yang
DATE:
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DOCUMENT NOT CONSIDER UNLESS ALL SIGNATURES C

