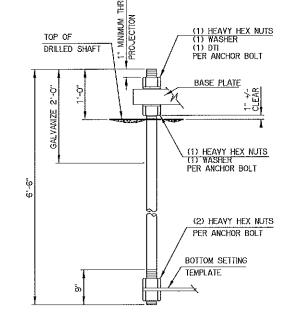


TYPICAL SECTION THRU

60" DRILLED SHAFT



2<sup>1</sup>/2" Ø ANCHOR BOLT DETAIL (F1554 GR. 55)

## DRILLED SHAFT NOTES:

MATERIAL PROPERTIES

CLASS 'AA' CONCRETE = 4,000 PSI REINFORCING STEEL = 60,000 PSI

THE DRILLED SHAFT FOR THE MONOTUBE SIGN STRUCTURE HAS BEEN DESIGNED FOR THE FOLLOWING PROPERTIES:

-- COHESIYE SOIL
UNIT WEIGHT = 120 PCF
COHESION = 1000 PSF
-- GRANULAR SOIL
UNIT WEIGHT = 120 PCF
INTERNAL FRICTION ANGLE = 28 DEGREES

IF SITE CONDITIONS ARE ENCOUNTERED THAT DIFFER FROM THOSE SPECIFIED ABOVE, THE ENGINEER SHALL BE CONTACTED. SUCH CONDITIONS ARE, BUT NOT LIMITED TO, AS FOLLOWS:

- -- SOIL HAS HIGH ORGANIC CONTENT OR CONSISTS OF SATURATED SILT AND CLAY.
- -- THE SITE WON'T SUPPORT THE WEIGHT OF THE DRILLING RIG.
- -- ROCK IS ENCOUNTERED.

DRILLED SHAFTS SHALL BE CONSTRUCTED ACCORDING TO THE OKLAHOMA DEPARTMENT OF TRANSPORTATION'S STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION AND ASSOCIATED SPECIAL PROVISIONS. THE USE OF THE "DOUBLE CASING METHOD" IS NOT ALLOWED FOR THIS DESIGN.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONFIRMING THAT THE LOCATION AND ELEVATION OF THE DRILLED SHAFT ARE AS REQUIRED IN THE PLANS. THE CONTRACTOR SHALL COORDINATE WITH THE MONOTUBE SUPPLIER TO ENSURE THAT THE ORIENTATION OF THE ANCHOR BOLTS IN THE DRILLED SHAFT ALLOW FOR PROPER ALIGNMENT OF ALL BASE PLATES AND FLANGES UPON FINAL INSTALLATION.

NOTE: FOR ADDITIONAL DRILLED SHAFT DETAILS,
SEE "MONOTUBE STRUCTURE (DRILLED SHAFT
DETAILS) (SHEET 3 OF 3)".
FOR DRILLED SHAFT DETAILS IN THE MEDIAN,
SEE "MONOTUBE STRUCTURE (DRILLED SHAFT
DETAILS) (SHEET 2 OF 3)".

DRILLED SHAFT BAR LIST (INCLUDED IN CONTRACT UNIT PRICE OF DRILLED SHAFT)						
MARK	SIZE	NO.	FORM	LENGTH		
PLAIN REINFORCING BARS						
DS	W20	1	BNT	1,052'-9"		
DΥ	#11	22	STR	35'-7"		

		BASIS OF PAYMENT	
	ITEM NO.	DESCRIPTION	UNIT
(2)	516(A)	DRILLED SHAFTS 60" DIAMETER	L.F.

(2) ALL COSTS OF CONCRETE AND REINFORCING IN DRILLED SHAFTS SHALL BE INCLUDED IN THE PRICE BID FOR "DRILLED SHAFTS 60" DIAMETER".

MONOTUBE STRUCTURE (DRILLED SHAFT DETAILS) (SHEET 1 OF 3)

Design	JG	JW
Detail	JG	J¥
Check	JG	J
<b>Squot</b> Si	JPERVI	SOR
Engr. €7	<b>IGINEE</b>	R

STATE OF DEPARTMENT OF TRANSPORTATION OKLAHOMA JOS PECEND. 21899(04) JOSET NO. 1812 NO. 1812