

FIGURE 1 - GEOGRID OVERLAP DETAIL  
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TABLE 1 – GEOGRID INSTALLATION REQUIREMENTS					
SUBGRADE STRENGTH <sup>(1)</sup>	EDGE-OVER-EDGE OVERLAP <sup>(2)</sup> (FT)	END-OVER-END OVERLAP <sup>(2)</sup> (FT)	CABLE TIES REQUIRED <sup>(3)</sup>	DIRECT TRAFFIC BY TRACKED EQUIPMENT?	DIRECT TRAFFIC BY RUBBER-TIRED EQUIPMENT <sup>(4)</sup>
CBR < 0.5	3	4	YES	NO	NO
0.5 < CBR < 2	2-3	2-3	NO	NO	NO
2 < CBR < 4	1-2	1-2	NO	NO	LIMITED
4 < CBR	1	1	NO	NO	YES

GEOGRID TABLE NOTES:

1. CBR = CALIFORNIA BEARING RATIO
2. GEOGRID SHALL BE STRETCHED TAUT AND SECURELY PINNED TO THE SUBGRADE WITH STEEL PINS OR STAPLES DURING INSTALLATION.
3. NYLON CABLE TIES ("ZIP TIES") SHALL BE USED TO CONNECT ADJACENT GEOGRID ROLLS WHERE THE SUBGRADE CBR VALUE IS 0.5 OR LESS. SEE FIGURES 5A AND 5B FOR CABLE TIE SPACING. CABLE TIES ARE NOT REQUIRED WHERE THE SUBGRADE CBR VALUE IS HIGHER THAN 0.5, ALTHOUGH THEY MAY BE STILL BE USED AS A CONSTRUCTION AID IN THESE CASES TO HELP MAINTAIN THE REQUIRED OVERLAP DIMENSIONS.
4. IN THOSE CASES WHERE RUBBER-TIRED EQUIPMENT IS ALLOWED, TURNS AND SUDDEN STOPS/STARTS SHALL BE AVOIDED. VEHICLE SPEEDS SHALL BE 5 MPH MAXIMUM. DISCONTINUE TRAFFIC IF SUBGRADE RUTTING OCCURS.

TABLE 2 – RECOMMENDED FILL FOR GEOGRIDS	
D <sub>50</sub> SIZE <sup>(5)(7)</sup>	GEOGRID <sup>(6)</sup>
D <sub>50</sub> < 22 mm	TX130s, TX8
D <sub>50</sub> < 25 mm	BX1100, BX1200, TX140, TX160, TX5, TX7
D <sub>50</sub> < 40 mm	TX150L, TX190L

5. D<sub>50</sub> IS A REFERENCE TO THE MEDIAN PARTICLE DIAMETER OF THE FILL MATERIAL PLACED ON THE GEOGRID. 50% OF THE PARTICLES IN THE FILL ARE SMALLER THAN THIS VALUE, 50% ARE GREATER.
6. TENSAR GEOGRIDS ARE REFERENCED HERE. FOR OTHER MANUFACTURERS' GEOGRIDS, CONSULT THE GEOTECHNICAL ENGINEER.
7. FILL MATERIALS WITH THE D<sub>50</sub> VALUES SHOWN HERE ARE COMPATIBLE WITH THE APERTURE SIZES OF THE INDICATED GEOGRIDS AND WILL ENSURE A SUITABLE INTERLOCK BETWEEN THE GEOGRID AND THE AGGREGATE IN THE FILL. CONSULT THE GEOTECHNICAL ENGINEER BEFORE USING FILL THAT DOES NOT MEET THE D<sub>50</sub> REQUIREMENTS SHOWN.

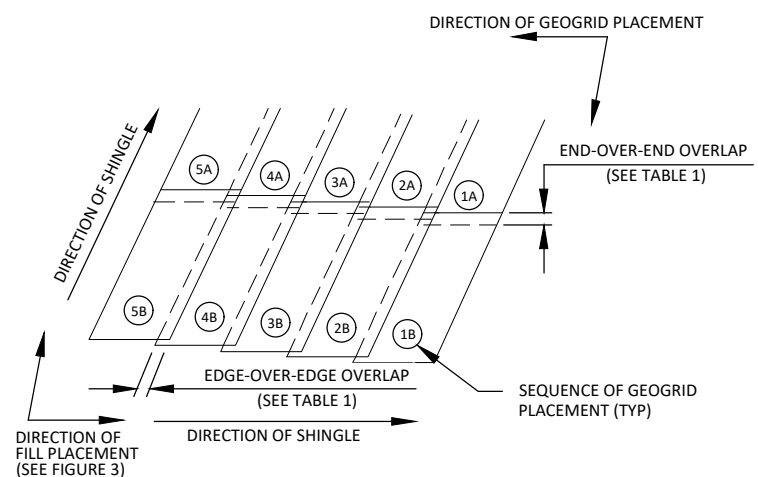


FIGURE 2 - GEOGRID PLACEMENT SEQUENCE  
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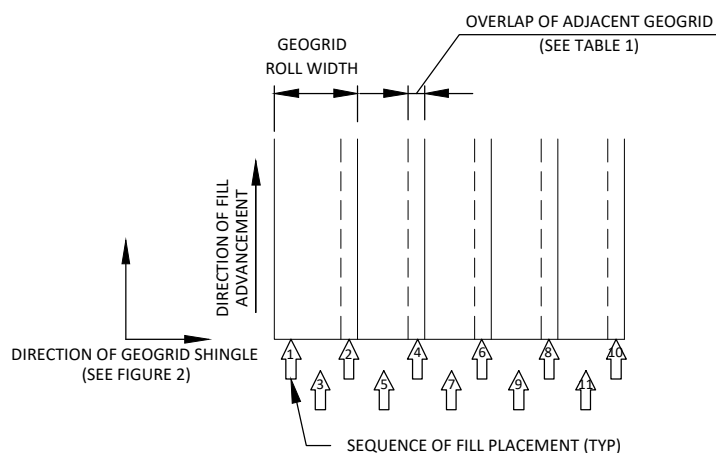


FIGURE 3 - INITIAL FILL PLACEMENT SEQUENCE  
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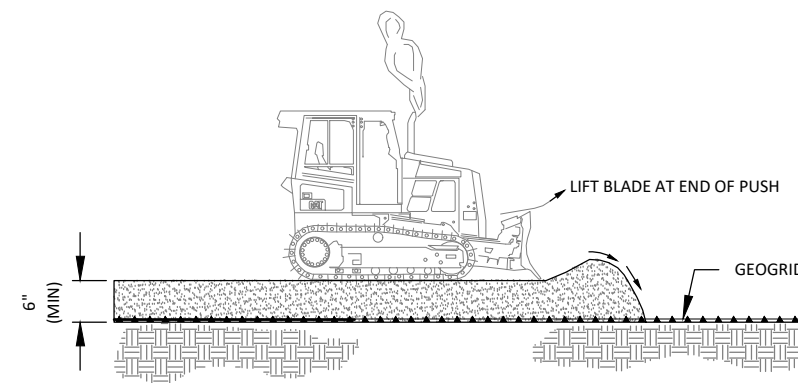


FIGURE 4 - DOZER TECHNIQUE FOR INITIAL LIFT PLACEMENT  
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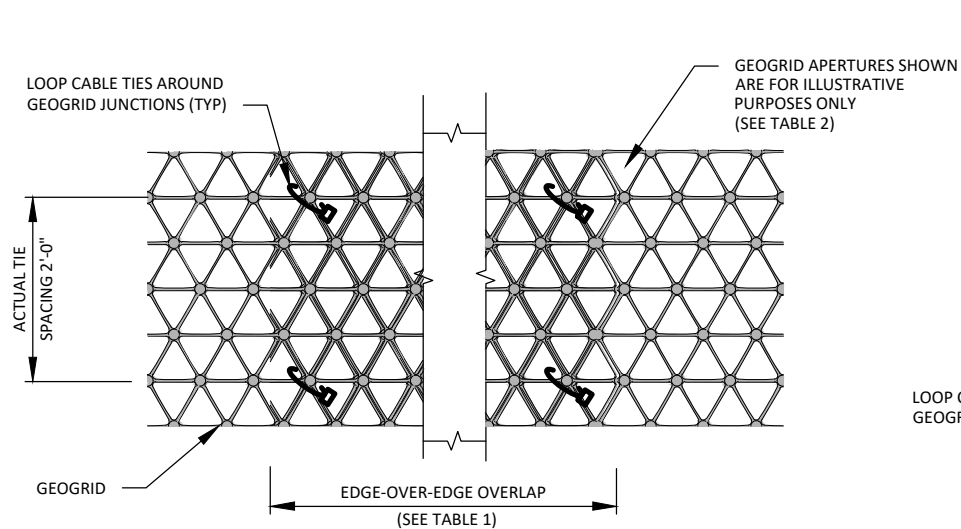


FIGURE 5A - CABLE TIE LOCATION AT EDGE OVERLAPS  
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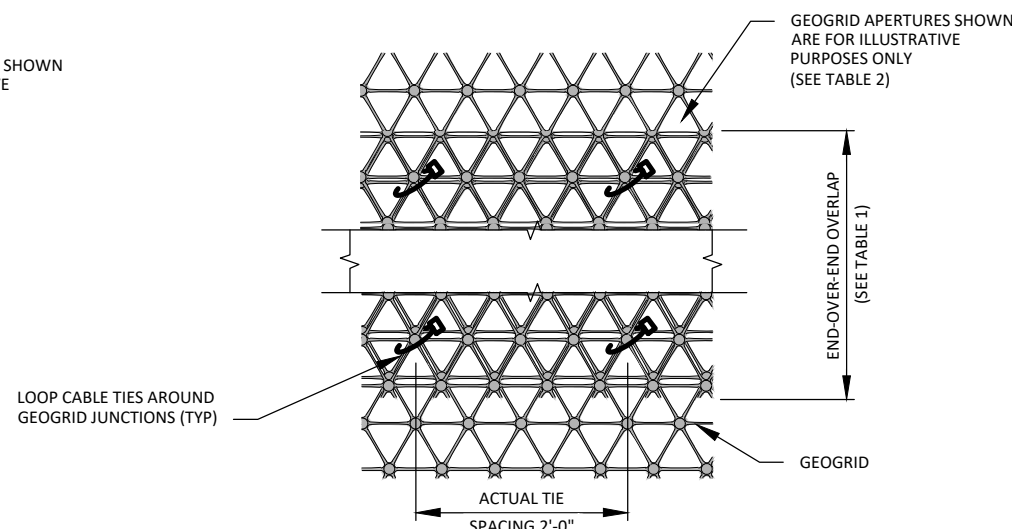


FIGURE 5B - CABLE TIE LOCATION AT END OVERLAPS  
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GEOGRID INSTALLATION REQUIREMENTS  
NTS

- PRELIMINARY -  
NOT FOR CONSTRUCTION

ISSUED FOR REVIEW				
REV	DESIGN BY	DRAWN BY	CHECKED BY	DATE
A	XXX	XXX	XXX	OPEN
OWNER PROJECT				
GEOGRID INSTALLATION DETAILS				
ENGINEER/DESIGN ORIGINATOR XXX			DRAWING NUMBER	
LEAD ENG XXX			DRAWING NUMBER	
ENG MGR XXX			DRAWING NUMBER	
PROJ MGR XXX			DRAWING NUMBER	