PROJECT REFERENCE NO.	SHEET NO.
R-5769	2G-10

GEOTECHNICAL ENGINEER

SIGNATURE DATE

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

GEOTEXTILE FOR EMBANKMENT STABILIZATION

NOTES

FOR GEOTEXTILE FOR EMBANKMENT STABILIZATION, SEE GEOTEXTILE FOR EMBANKMENT STABILIZATION SPECIAL PROVISION.

DO NOT GRUB, ONLY CLEAR THE AREA WITHIN THE LIMITS OF THE GEOTEXTILE FOR EMBANKMENT STABILIZATION.

PLACE THE GEOTEXTILE FOR EMBANKMENT STABILIZATION WITHOUT ANY WRINKLES OR CREASES.

THE TERMS ROLL AND MACHINE DIRECTION ARE USED INTERCHANGEABLY.

GEOTEXTILE FOR EMBANKMENT STABILIZATION SHEETS SHOULD BE CONTINOUS IN THE MACHINE DIRECTION PERPENDICULAR TO -L- AS SHOWN IN THE PLANS AND OF SUFFICIENT LENGTH TO COVER THE AREA INDICATED. THE GEOTEXTILE SHOULD BE PLACED NEAR THE BASE OF THE EMBANKMENT FROM TOE OF SLOPE TO TOE OF SLOPE BETWEEN -L- STA. 24+50 AND -L- 30+00.

GEOTEXTILE FOR EMBANKMENT STABILIZATION 2 WITH MACHINE/ROLL DIRECTION PARALLEL TO -L- MUST HAVE A CONTINUOS LENGTH OF 120 FEET FROM -L- STA. 31+50 TO 32+68.73.

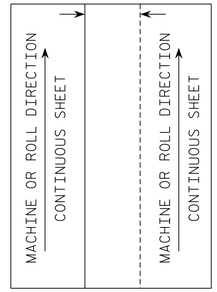
GEOTEXTILE FOR EMBANKMENT STABILIZATION 2 WITH MACHINE/ROLL DIRECTION PARALLEL TO -L- MUST HAVE A CONTINUOS LENGTH OF 142 FEET FROM -L- STA. 33+68.73 TO 35+10.

NO SEAMS OR JOINTS ARE ALLOWED IN THE GEOTEXTILE MACHINE/ROLL DIRECTION.

THE MINIMUM OVERLAP BETWEEN ADJACENT GEOTEXTILE OF THE SAME MACHINE/ROLL DIRECTION IS 18 INCHES UNLESS SEWING IS USED TO ACHIEVE THE REQUIRED SEAM STRENGTH.

ESTIMATED QUANTITIES GEOTEXTILE FOR EMBANKMENT STABILIZATION	
GEOTEXTILE FOR EMBANKMENT STABILIZATION	12,700 SY
GEOTEXTILE FOR EMBANKMENT STABILIZATION - CONTINGENCY	500 SY

18 INCHES MIN. OVERLAP OR SEE MANUFACTURER GUIDELINES IF SEWN.



REINFORCING GEOTEXTILE OVERLAP DETAIL

ROCK EMBANKMENTS

NOTES

FOR ROCK EMBANKMENTS, SEE ROCK EMBANKMENTS SPECIAL PROVISION.

CONSTRUCT ROCK EMBANMKMENTS AS SHOWN IN THE EMBANKMENT CONSTRUCTION GEOTECHNICAL DETAILS SHEETS AND IN ACCORDANCE WITH THE ROCK EMBANKMENTS SPECIAL PROVISION.

USE RIP RAP CLASS B, RIP RAP CLASS A, AND #57 STONE (SELECT MATERIAL, CLASS VI) TO CONSTRUCT ROCK EMBANKMENTS AS SHOWN IN THE PLANS. RIP RAP CLASS A AND #57 STONE SHOULD BE USED TO CHOKE OFF VOIDS IN RIP RAP CLASS B ROCK EMBANKMENTS BEFORE PLACING SEPARATION GEOTEXTILES AND SOIL EMBANKMENT FILL.

RIP RAP CLASS B AND RIP RAP CLASS A SHOULD MEET THE REQUIREMENTS IN SECTION 1042 OF THE STANDARD SPECIFICATIONS.

#57 STONE (SELECT MATERIAL, CLASS VI) SHALL MEET THE GRADATION REQUIREMENTS IN SECTION 1016 OF THE STANDARD SPECIFICATIONS.

INSTALL GEOTEXTILE ON TOP OF ROCK EMBANKMENTS IN ACCORDANCE WITH THE ROCK EMBANKMENTS SPECIAL PROVISION AND ARTICLE 270-3 OF THE STANDARD SPECIFICATIONS.

ESTIMATED QUANTITIES ROCK EMBANKMENTS	
ROCK EMBANKMENTS	12,200 TONS
ROCK EMBANKMENTS - CONTINGENCY	6,100 TONS
#57 STONE (SELECT MATERIAL, CLASS VI)	3,900 TONS
#57 STONE - CONTINGENCY	2,000 TONS
GEOTEXTILE FOR ROCK EMBANKMENTS, TYPE 2	15,500 SY

ROCK EMBANKMENT LOCATIONS SUMMARY		
APPROXIMATE BEGINNING STATION	APPROXIMATE ENDING STATION	TOP OF ROCK EMBANKMENT ELEVATION
-L- 20+80	-L- 29+40	287.5 FT.
-L- 35+80	-L- 43+57.04	286.5
-L1- 10+00	-L1- 15+07.87	286.5
-L2- 10+00	-L2- 11+40	286.5

REINFORCED AGGREGATE PLATFORMS

NOTES

FOR REINFORCED AGGREGATE PLATFORMS, SEE REINFORCED AGGREGATE PLATFORMS SPECIAL PROVISION.

CONSTRUCT REINFORCED AGGREGATE PLATFORMS AS SHOWN IN THE EMBANKMENT CONSTRUCTION GEOTECHNICAL DETAILS SHEETS AND IN ACCORDANCE WITH THE REINFORCED AGGREGATE PLATFORMS SPECIAL PROVISION.

USE RIP RAP, CLASS A AND #57 STONE (SELECT MATERIAL, CLASS VI) FOR AGGREGATE PLATFORMS TO CONSTRUCT REINFORCED AGGREGATE PLATFORMS AS SHOWN IN THE PLANS. DO NOT PLACE RIP RAP CLASS A WITHIN 5 FEET OF BRIDGE FOUNDATION PILES. USE ONLY #57 STONE TO CONSTRUCT REINFORCED AGGREGATE PLATFORMS WITHIN 5 FEET OF BRIDGE FOUNDATION PILES.

SLIT THE REINFORCEMENT GEOTEXTILE FOR AGGREGATE PLATFORMS APPROXIMATELY 20 INCHES IN THE MACHINE DIRECTION USING A HOT KNIFE AT THE BRIDGE FOUNDATION PILE LOCATIONS.

FOR REINFORCEMENT GEOTEXTILE FOR AGGREGATE PLATFORMS, SEE REINFORCED AGGREGATE PLATFORMS SPECIAL PROVISION.

PLACE THE GEOTEXTILE FOR EMBANKMENT STABILIZATION WITHOUT ANY WRINKLES OR CREASES.

THE TERMS ROLL AND MACHINE DIRECTION ARE USED INTERCHANGEABLY.

REINFORCEMENT GEOTEXTILE FOR AGGREGATE PLATFORMS WITH MACHINE/ROLL DIRECTION PARALLEL TO -L- MUST HAVE A CONTINUOS LENGTH OF 120 FEET FROM -L- STA. 31+50 TO 32+68.73.

REINFORCEMENT GEOTEXTILE FOR AGGREGATE PLATFORMS WITH MACHINE/ROLL DIRECTION PARALLEL TO -L- MUST HAVE A CONTINUOS LENGTH OF 142 FEET FROM -L- STA. 33+68.73 TO 35+10.

NO SEAMS OR JOINTS ARE ALLOWED IN THE GEOTEXTILE MACHINE/ROLL DIRECTION.

THE MINIMUM OVERLAP BETWEEN ADJACENT GEOTEXTILE OF THE SAME MACHINE/ROLL DIRECTION IS 18 INCHES UNLESS SEWING IS USED TO ACHIEVE THE REQUIRED SEAM STRENGTH.

RIP RAP CLASS A SHOULD MEET THE REQUIREMENTS IN SECTION 1042 OF THE STANDARD SPECIFICATIONS.

#57 STONE (SELECT MATERIAL, CLASS VI) SHALL MEET THE GRADATION REQUIREMENTS IN SECTION 1016 OF THE STANDARD SPECIFICATIONS.

INSTALL GEOTEXTILE WITHIN AND ON TOP OF REINFORCED AGGREGATE PLATFORMS IN ACCORDANCE WITH THE ROCK EMBANKMENTS SPECIAL PROVISION AND ARTICLE 270-3 OF THE STANDARD SPECIFICATIONS.

ESTIMATED QUANTITIES REINFORCED AGGREGATE PLATFORMS	
RIP RAP, CLASS A	500 TONS
#57 STONE (SELECT MATERIAL, CLASS VI)	800 TONS
SEPARATION GEOTEXTILE, TYPE 2	2,200 SY
REINFORCEMENT GEOTEXTILE FOR AGGREGATE PLATFORMS	5,500 SY

REINFORCED AGGREGATE PLATFORMS LOCATIONS SUMMARY	
APPROXIMATE BEGINNING STATION	APPROXIMATE ENDING STATION
-L- 31+42	-L- 32+68.73
-L- 33+68.73	-L- 35+10

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GEOTECHNICAL EMBANKMENT CONSTRUCTION NOTES

REVISIONS

NO.	BY	DATE	NO.	BY	DATE
1	MJA	07/2016	3		
2	MJA	08/2016	4		