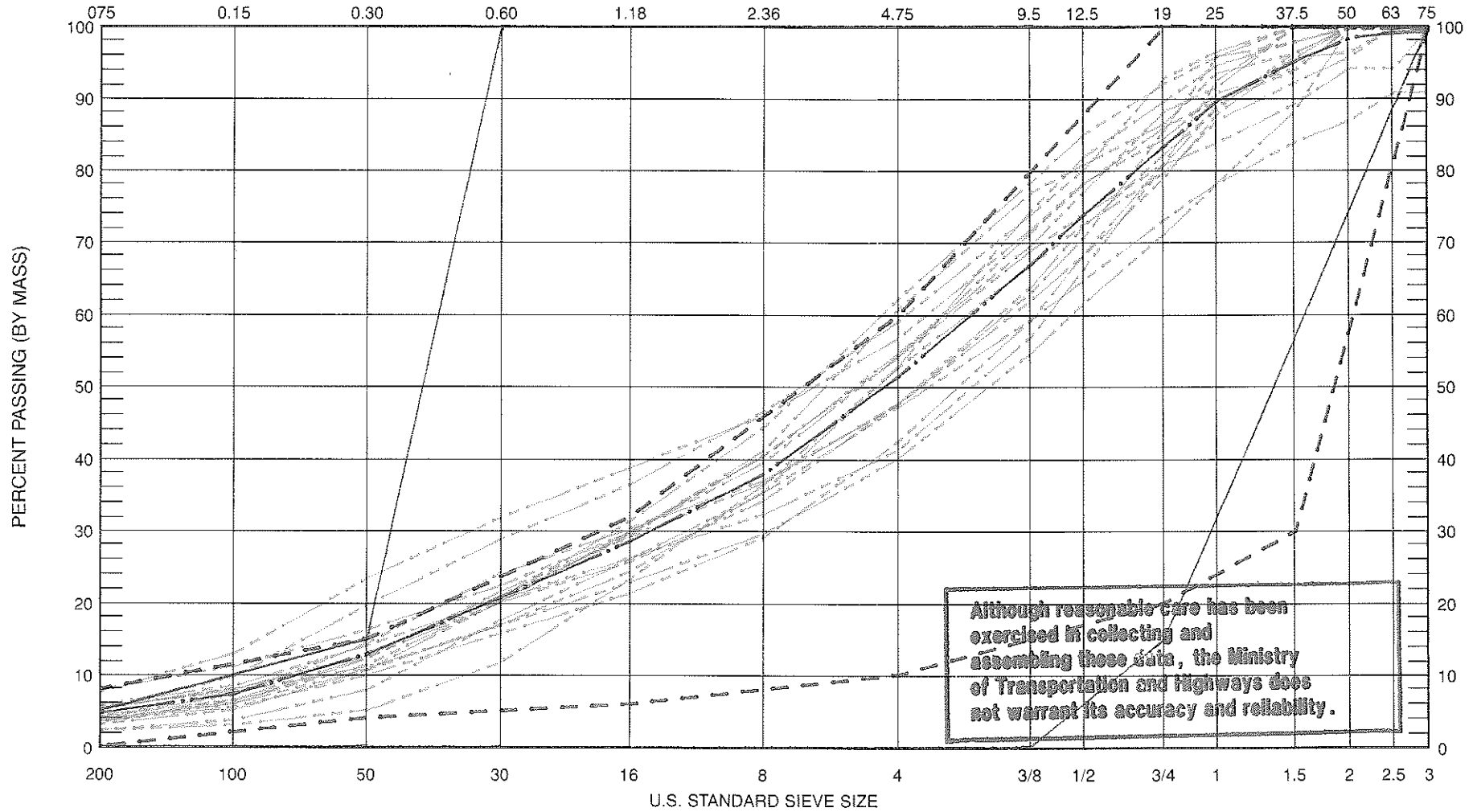


AGGREGATE GRADATION CHART

SIEVE OPENING (mm)

PROJECT: COOK CREEK PRIVATE
DISTRICT: NORTH ISLAND



Although reasonable care has been exercised in collecting and assembling these data, the Ministry of Transportation and Highways does not warrant its accuracy and reliability.

BAG #	SAMPLE #	TESTHOLE/PIT	DEPTH	SAMPLE OF	SAMPLED BY	METHOD	DATE	TESTED BY	DATE
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COOK CREEK PIT RUN (THURBER)

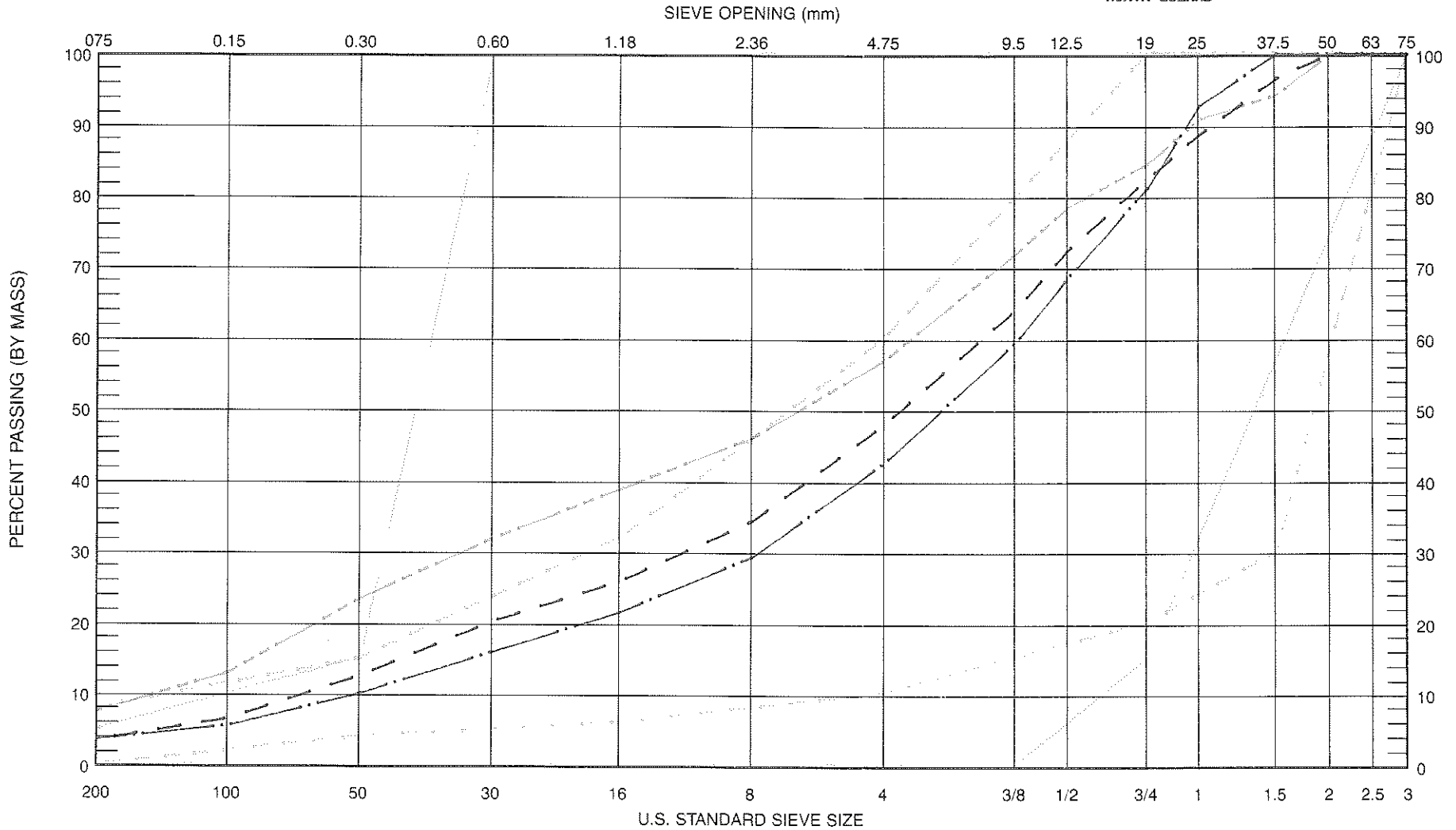
GROUP PLOTTED: P
MEAN OF GROUP

————— SELECT GRANULAR SUB-BASE

- - - - - BRIDGE END FILL

AGGREGATE GRADATION CHART

PROJECT: COOK CREEK PRIVATE
 DISTRICT: NORTH ISLAND



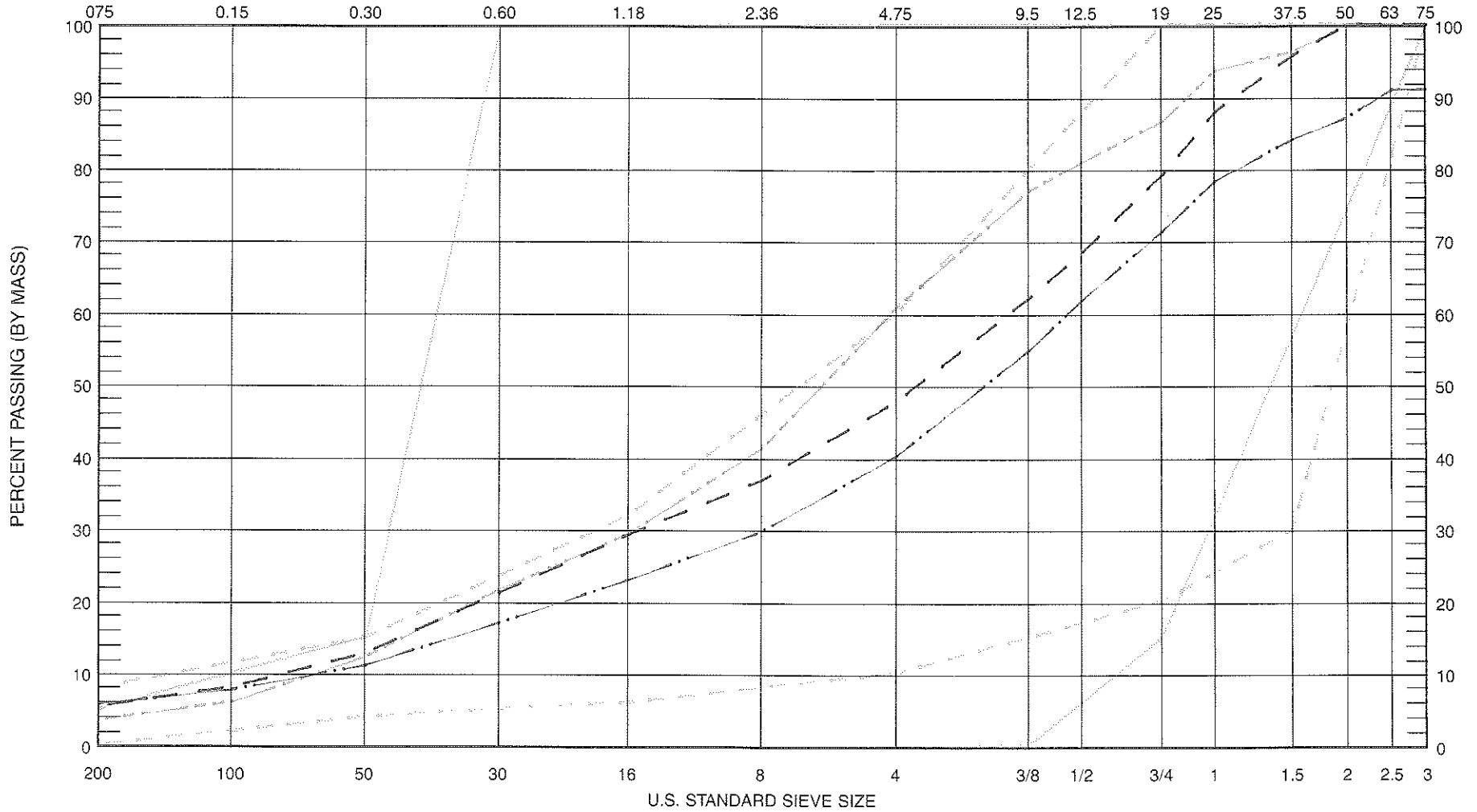
BAG #	SAMPLE #	TESTHOLE/PIT	DEPTH	SAMPLE OF	SAMPLED BY	METHOD	DATE	TESTED BY	DATE
X18824	1	TH89-06	3.0-4.2m	PIT RUN	M.S.	BECKER	89/07/18	DWD	90/01/31
X18825	2	TH89-06	6.7-7.9m	PIT RUN	M.S.	BECKER	89/07/18	DWD	90/01/29
X18826	3	TH89-06	10.4-11.6	PIT RUN	M.S.	BECKER	89/07/18	DWD	90/02/05

SELECT GRANULAR FILL-BASE FOR BRIDGE AND FILL

AGGREGATE GRADATION CHART

PROJECT: COOK CREEK PRIVATE
 DISTRICT: NORTH ISLAND

SIEVE OPENING (mm)



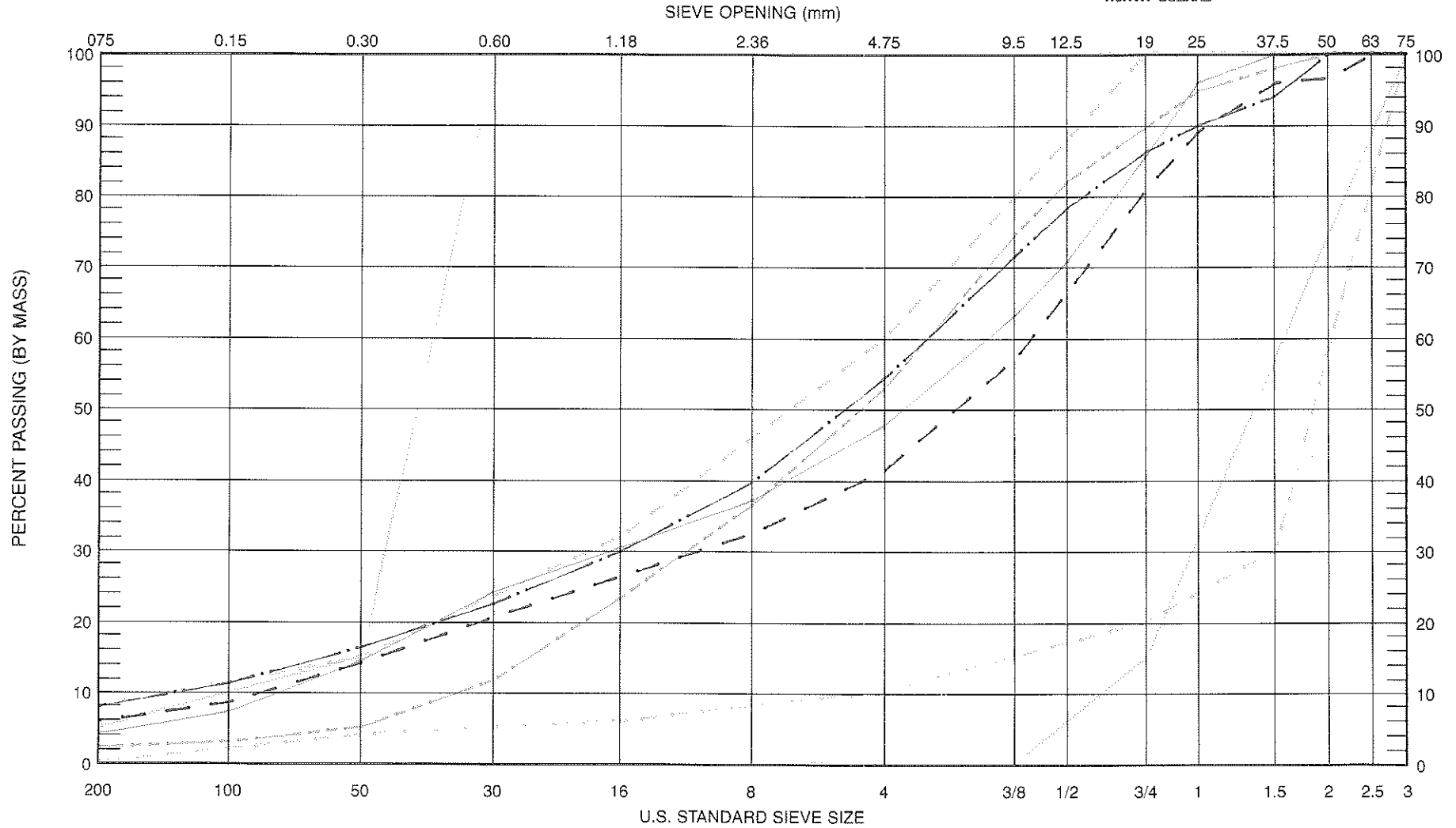
BAG #	SAMPLE #	TESTHOLE/PIT	DEPTH	SAMPLE OF	SAMPLED BY	METHOD	DATE	TESTED BY	DATE
X18815	1	TH89-03	3.0-4.3m	PIT RUN	M.S.	BECKER	89/07/18	DND	90/01/29
X18816	2	TH89-03	6.7-7.9m	PIT RUN	M.S.	BECKER	89/07/18	DJM	90/01/31
X18817	3	TH89-03	10.4-11.6	PIT RUN	M.S.	BECKER	89/07/18	DND	90/01/29

SELECT GRANULAR SUB-BASE

BRIDGE END FILL

AGGREGATE GRADATION CHART

PROJECT: COOK CREEK PRIVATE
 DISTRICT: NORTH ISLAND

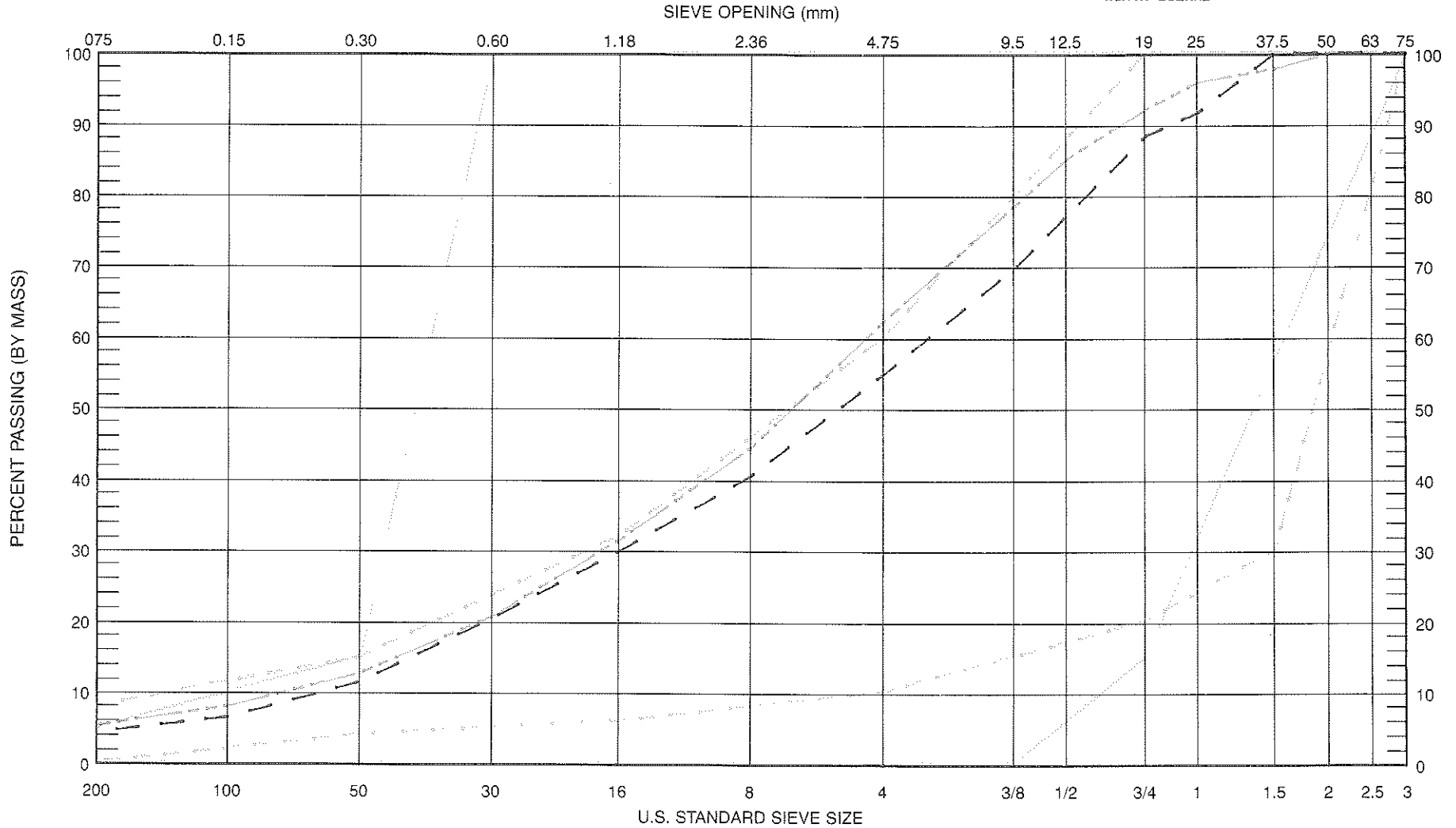


BAG #	SAMPLE #	TESTHOLE/PIT	DEPTH	SAMPLE OF	SAMPLED BY	METHOD	DATE	TESTED BY	DATE
X18618	1	TH89-04	3.0-4.3m	PIT RUN	M.S.	BECKER	89/07/18	DWD	90/01/31
X18619	2	TH89-04	6.7-7.9m	PIT RUN	M.S.	BECKER	89/07/18	J.H.	90/03/19
X18620	3	TH89-04	10.4-11.6	PIT RUN	M.S.	BECKER	89/07/18	DWD	90/02/05
X18621	4	TH89-04	14.-15.2m	PIT RUN	M.S.	BECKER	89/07/18	DWD	90/02/02

SELECT GRANULAR SUB-BASE BRIDGE PAD #111

AGGREGATE GRADATION CHART

PROJECT: COOK CREEK PRIVATE
 DISTRICT: NORTH ISLAND

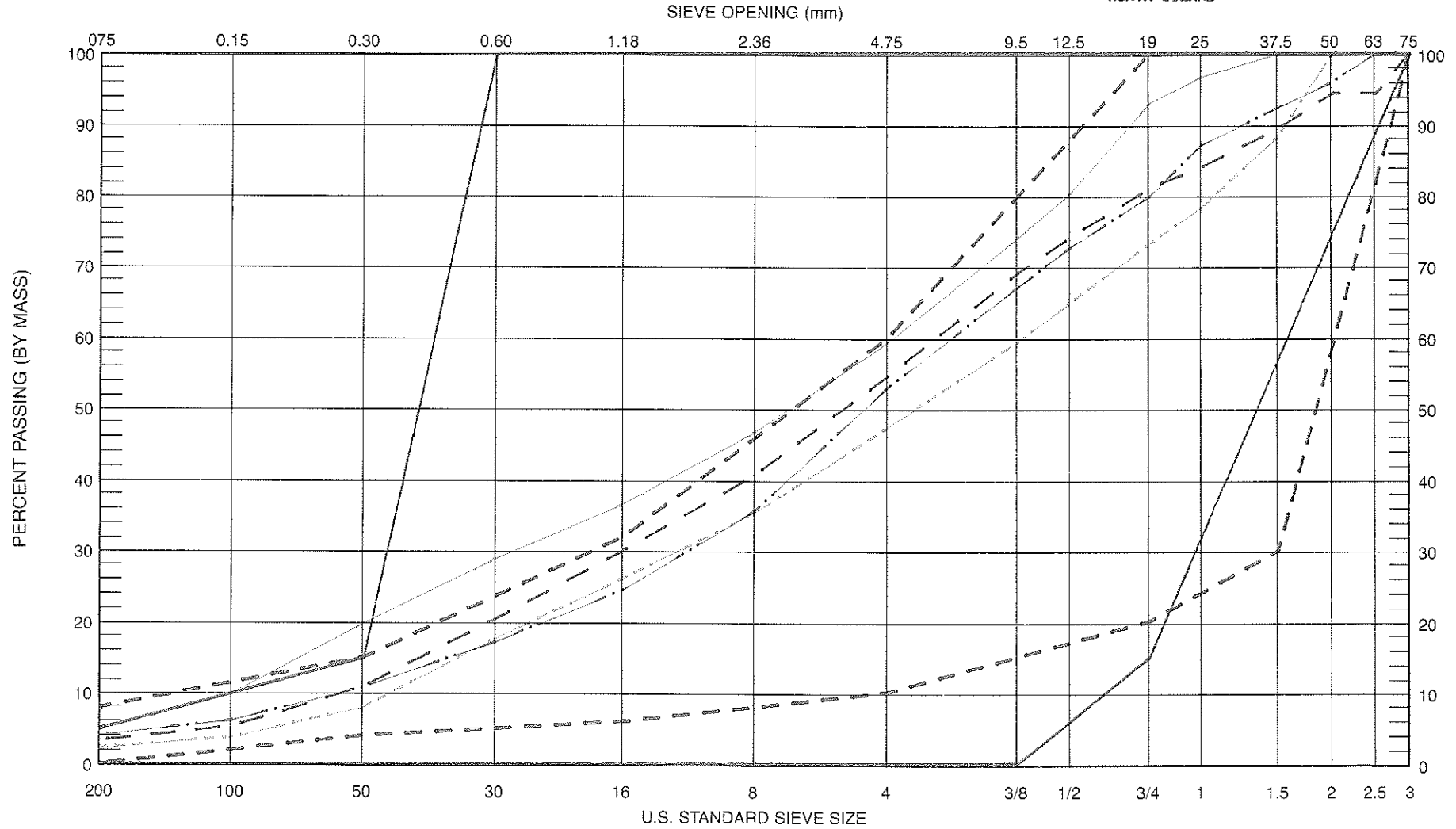


BAG #	SAMPLE #	TESTHOLE/PIT	DEPTH	SAMPLE OF	SAMPLED BY	METHOD	DATE	TESTED BY	DATE
X18622	1	TH89-05	4.2-7.5m	PIT RUN	N.S.	BECKER	89/07/18	DJM	90/01/31
X18623	2	TH89-05	9.1-10.4m	PIT RUN	N.S.	BECKER	89/07/18	DWD	90/02/02

REPORT GRANULAR SUB-BASE BRIDGE AND FILL

AGGREGATE GRADATION CHART

PROJECT: COOK CREEK PRIVATE
 DISTRICT: NORTH ISLAND



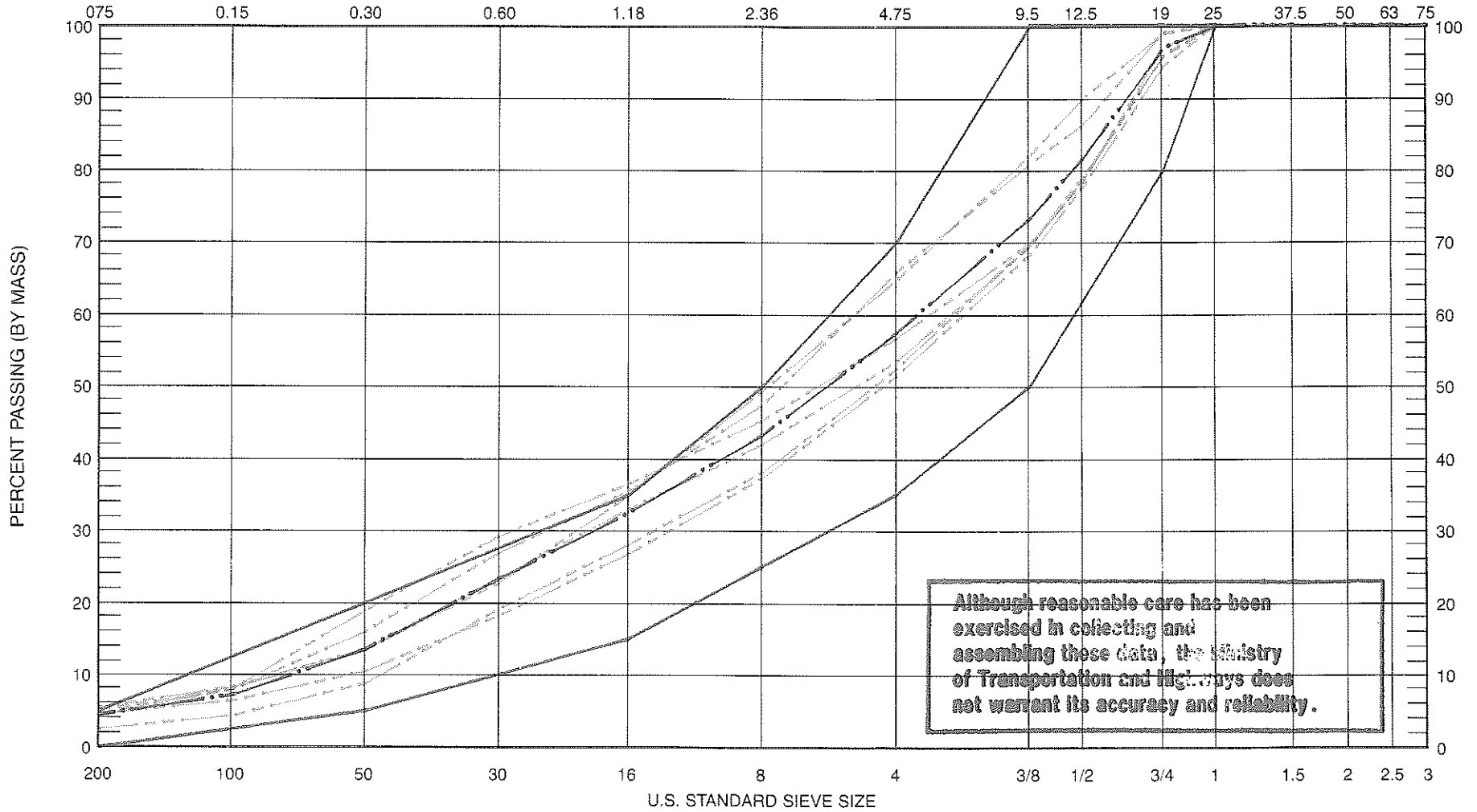
BAG #	SAMPLE #	TESTHOLE/PIT	DEPTH	SAMPLE OF	SAMPLED BY	METHOD	DATE	TESTED BY	DATE
X18624	1	TH89-01	3.0-4.3m	PIT RUN	K.S.	BECKER	89/07/18	DWD	90/02/06
X18627	1	TH89-02	3.0-4.3m	PIT RUN	M.S.	BECKER	89/07/18	DWD	90/01/29
X18628	2	TH89-02	6.7-7.9m	PIT RUN	M.S.	BECKER	89/07/18	DWD	90/01/29
X18629	3	TH89-02	10.4-11.6	PIT RUN	M.S.	BECKER	89/07/18	DWD	90/01/29

SELECT GRANULAR SUB-BASE
 BRIDGE END FILL

AGGREGATE GRADATION CHART

PROJECT: COOK CREEK PRIVATE
 DISTRICT: NORTH ISLAND

SIEVE OPENING (mm)



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BAG #	SAMPLE #	TESTHOLE/PIT	DEPTH	SAMPLE OF	SAMPLED BY	METHOD	DATE	TESTED BY	DATE
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COOK CREEK 25mm LAB CRUSH (THURBER)

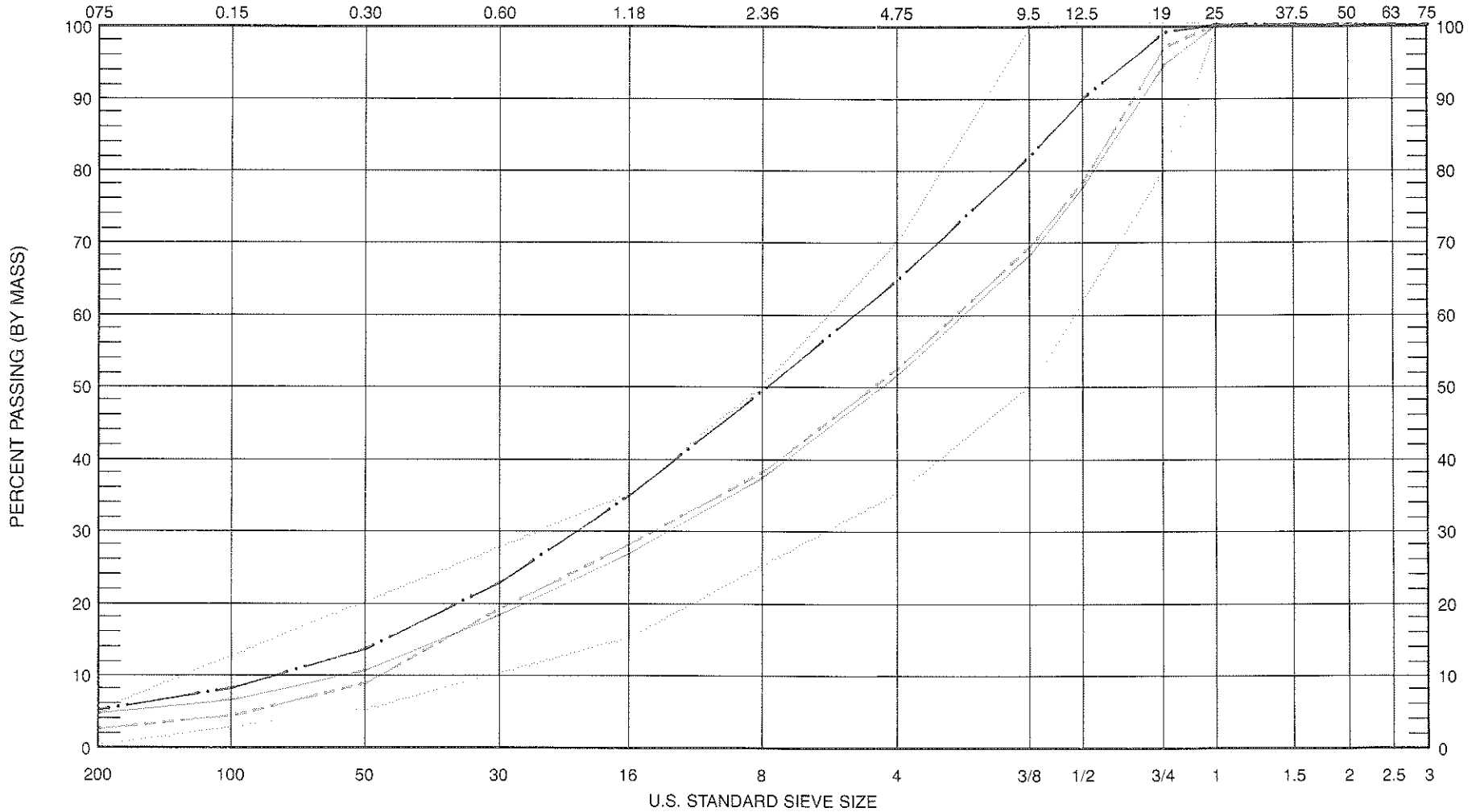
GROUP PLOTTED: G
 MEAN OF GROUP

25mm WELL GRADED BASE

AGGREGATE GRADATION CHART

PROJECT: COOK CREEK PRIVATE
 DISTRICT: NORTH ISLAND

SIEVE OPENING (mm)

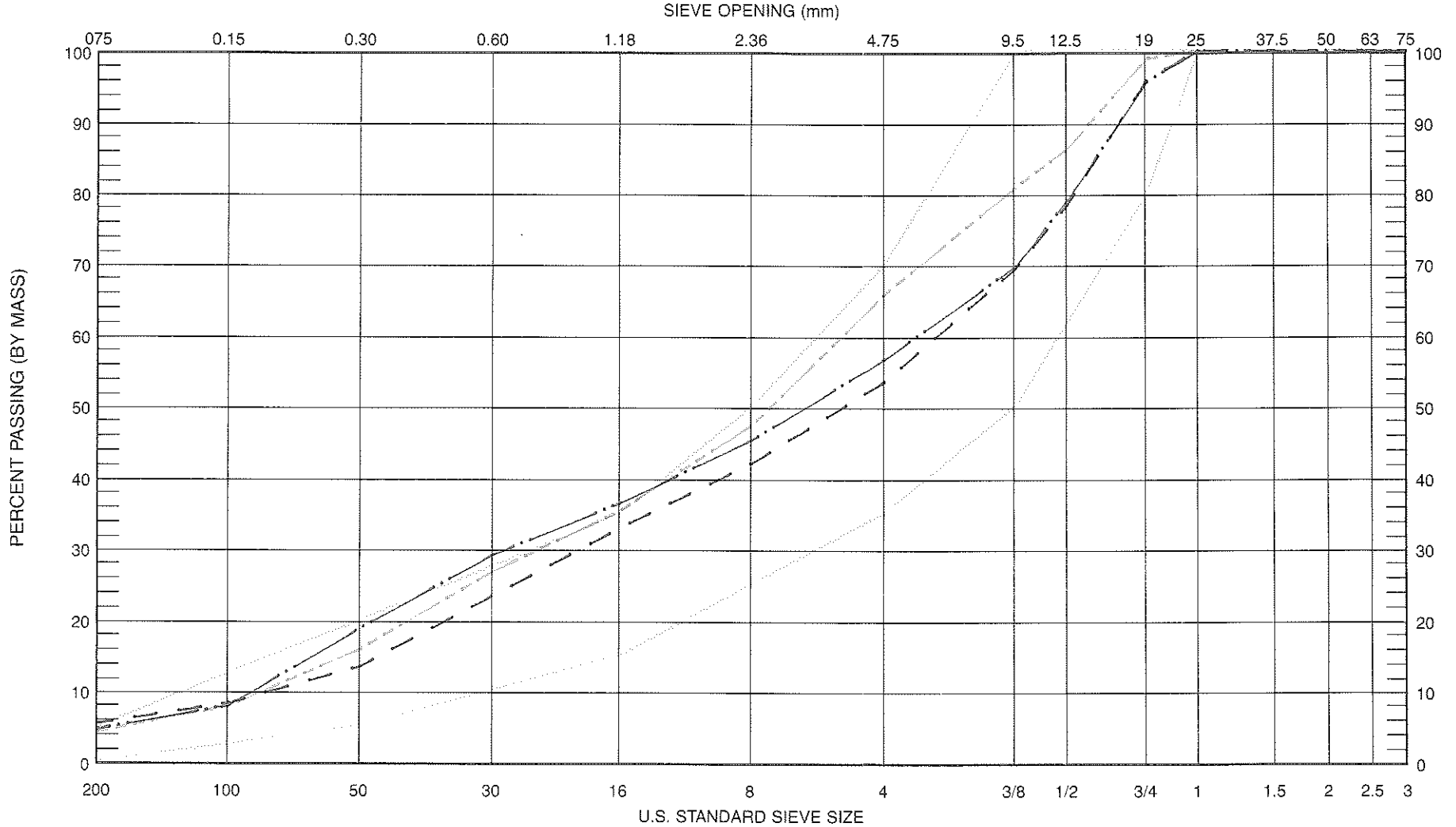


BAG #	SAMPLE #	TESTHOLE/PIT	DEPTH	SAMPLE OF	SAMPLED BY	METHOD	DATE	TESTED BY	DATE
X18814	1	TH89-01	3.0-4.3m	25mm LAB CRUSH	N.S.	BECKER	89/07/18	DWD	90/02/08
X18822	1	TH89-05	4.3-5.5m	25mm LAB CRUSH	N.S.	BECKER	89/07/18	DJM	90/02/07
X18823	2	TH89-05	9.1-10.4m	25mm LAB CRUSH	N.S.	BECKER	89/07/18	DWD	90/02/08

25mm MAX. SIZED SAND

AGGREGATE GRADATION CHART

PROJECT: COOK CREEK PRIVATE
 DISTRICT: NORTH ISLAND



BAG #	SAMPLE #	TESTHOLE/PIT	DEPTH	SAMPLE OF	SAMPLED BY	METHOD	DATE	TESTED BY	DATE
X18615	1	TH89-03	3.0-4.2m	25mm LAB CRUSH	M.S.	BECKER	89/07/18	DMD	90/02/08
X18616	2	TH89-03	6.7-7.9m	25mm LAB CRUSH	M.S.	BECKER	89/07/18	DMD	90/02/08
X18617	3	TH89-03	10.4-11.6	25mm LAB CRUSH	M.S.	BECKER	89/07/18	DJM	90/02/08

(FROM NFI) (RADFO) 8/9/97