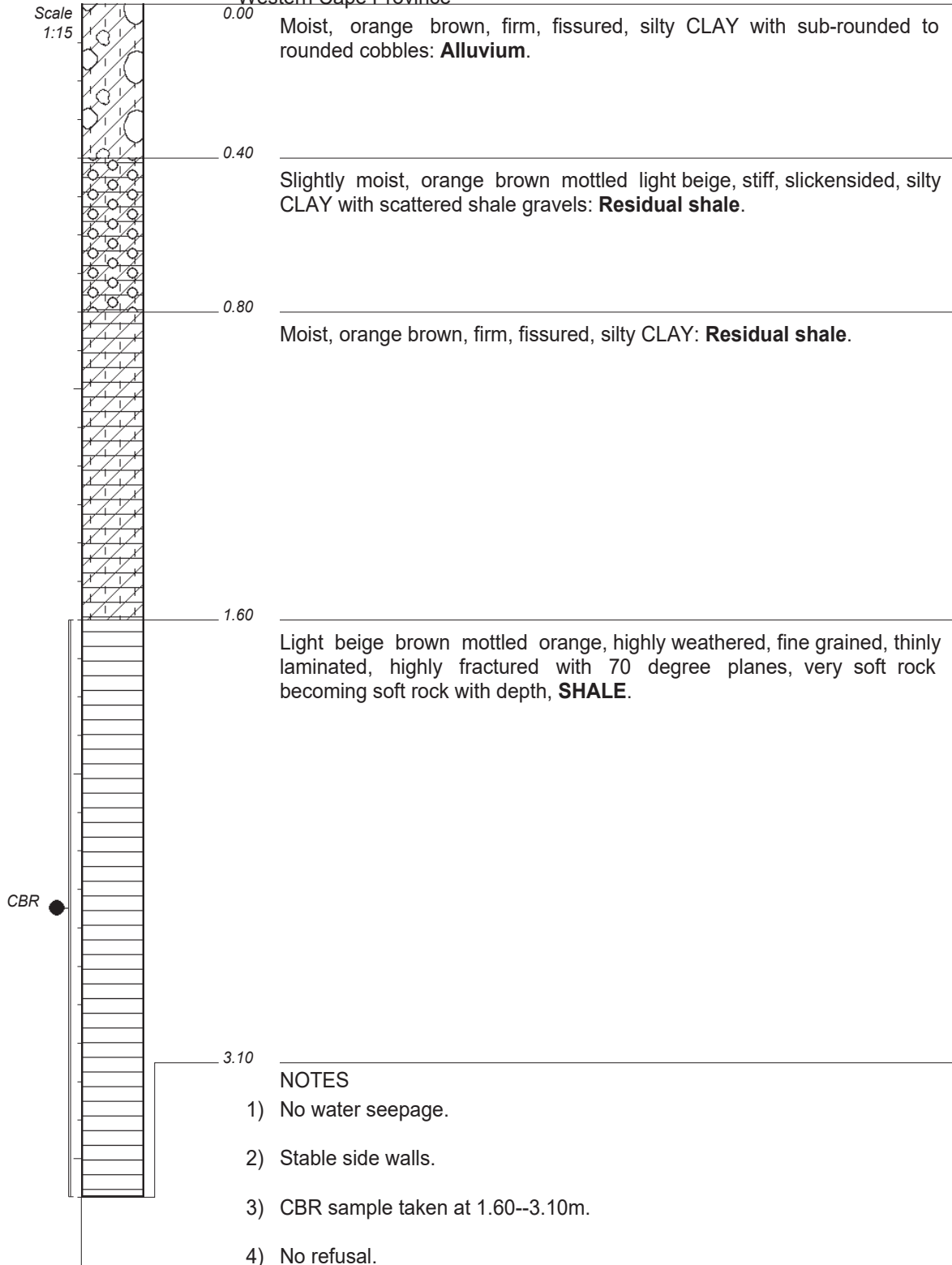




CONTRACTOR : Mukona Consulting Engineers INCLINATION :

MACHINE : JCB 3 CX

DRILLED BY : Ronald

PROFIED BY : K Naidoo

TYPE SET BY : KN

SETUP FILE : STANDARD.SET

DIAM :

DATE :

DATE : 16/09/21-30/09/21

DATE : 22/11/2021 08:27

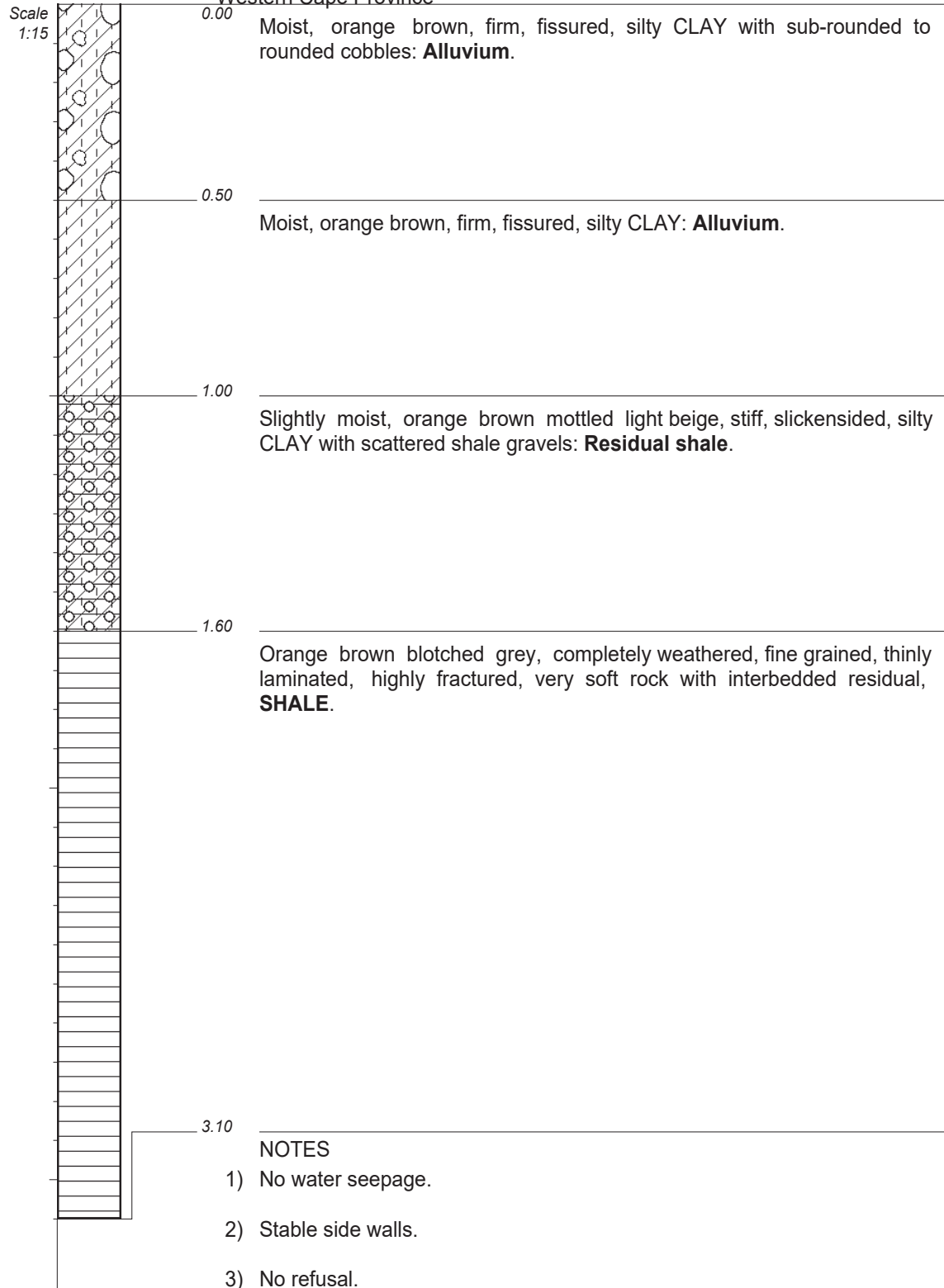
TEXT : ..RVASTESTPITSPIPELINE.TXT

ELEVATION :

X-COORD : 33° 20'43.72"S

Y-COORD : 19° 00'39.71"E

HOLE No: TPP19



CONTRACTOR : Mukona Consulting Engineers INCLINATION :

MACHINE : JCB 3 CX

DRILLED BY : Ronald

PROFIED BY : K Naidoo

TYPE SET BY : KN

SETUP FILE : STANDARD.SET

DIAM :

DATE :

DATE : 16/09/21-30/09/21

DATE : 22/11/2021 08:27

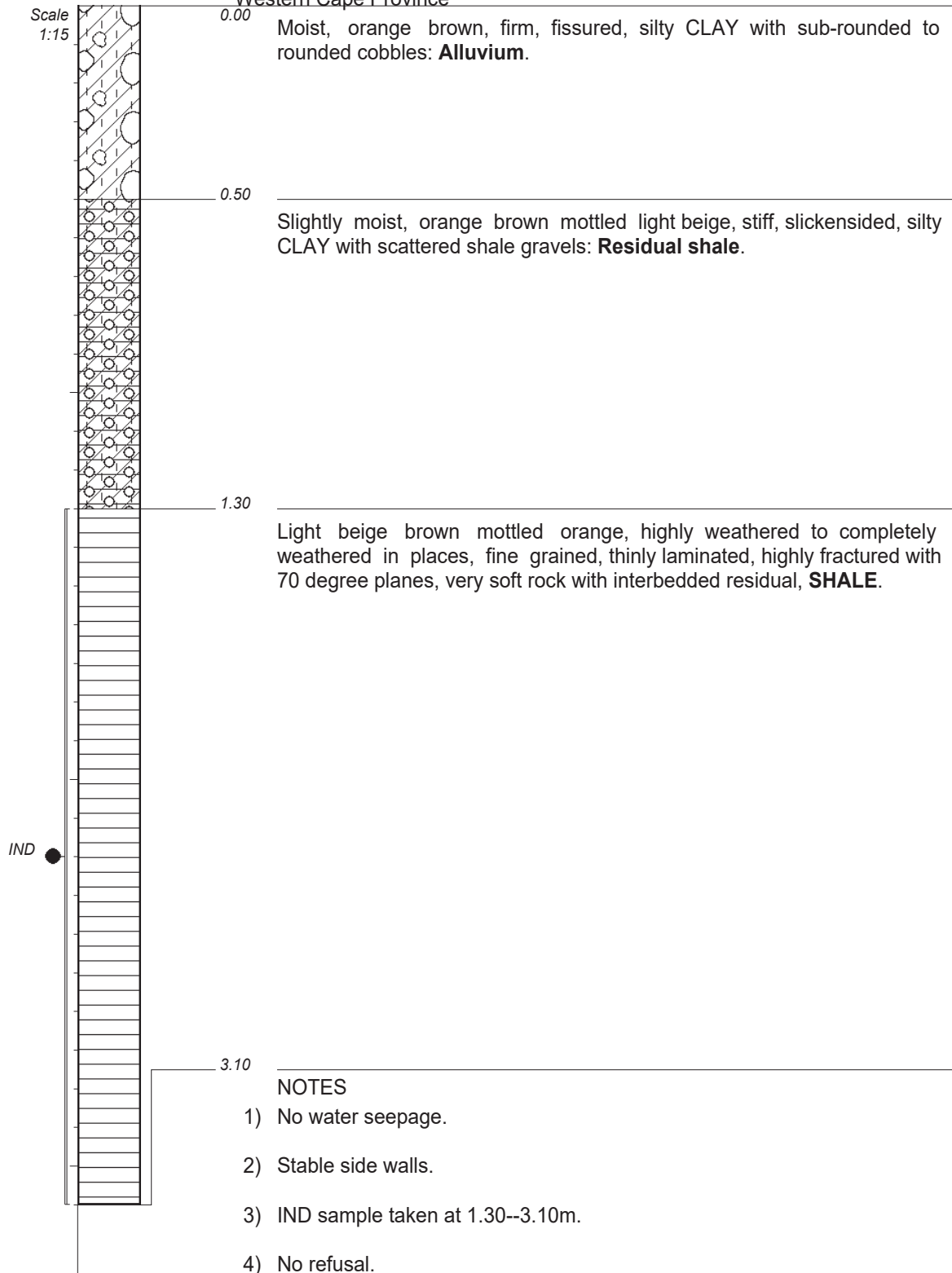
TEXT : ..RVASTESTPITPIPELINE.TXT

ELEVATION :

X-COORD : 33° 20'45.07"S

Y-COORD : 19° 00'47.16"E

HOLE No: TPP20



CONTRACTOR : Mukona Consulting Engineers INCLINATION :

MACHINE : JCB 3 CX

DRILLED BY : Ronald

PROFIED BY : K Naidoo

TYPE SET BY : KN

SETUP FILE : STANDARD.SET

DIAM :

DATE :

DATE : 16/09/21-30/09/21

DATE : 22/11/2021 08:27

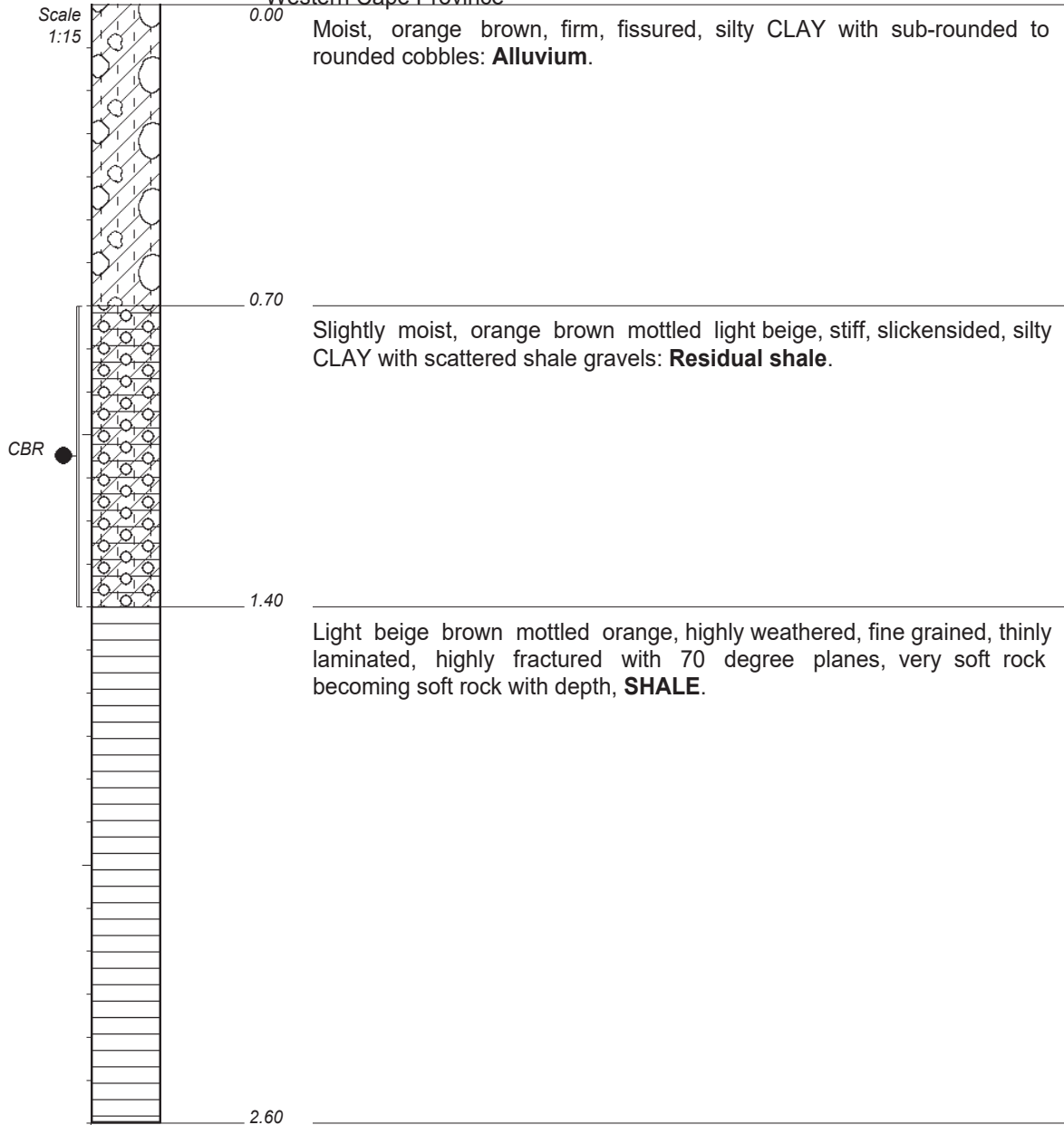
TEXT : ..RVASTESTPITPIPELINE.TXT

ELEVATION :

X-COORD : 33° 20'45.65"S

Y-COORD : 19° 00'54.87"E

HOLE No: TPP21



NOTES

- 1) No water seepage.
- 2) Stable side walls.
- 3) CBR sample taken at 0.70--1.40m.
- 4) Refusal at 2.60m.

CONTRACTOR : Mukona Consulting Engineers INCLINATION :

MACHINE : JCB 3 CX

DRILLED BY : Ronald

PROFILED BY : K Naidoo

TYPE SET BY : KN

SETUP FILE : STANDARD.SET

DIAM :

DATE :

DATE : 16/09/21-30/09/21

DATE : 22/11/2021 08:27

TEXT : ..RVATESTPITPIPELINE.TXT

ELEVATION :

X-COORD : 33° 20'46.22"S

Y-COORD : 19° 01'02.59"E

HOLE No: TPP22

Scale
1:15



0.00

Moist, orange brown, loose, intact, silty gravelly SAND: **Transported.**

0.30

Moist, orange brown mottled beige brown, soft, fissured, sandy gravelly CLAY with rounded gravels and cobbles: **Alluvium.**

2.90

NOTES

- 1) No water seepage.
- 2) Stable side walls.
- 3) No refusal.

CONTRACTOR : Mukona Consulting Engineers INCLINATION :

MACHINE : JCB 3 CX

DRILLED BY : Ronald

PROFIED BY : K Naidoo

TYPE SET BY : KN

SETUP FILE : STANDARD.SET

DIAM :

DATE :

DATE : 16/09/21-30/09/21

DATE : 22/11/2021 08:27

TEXT : ..RVASTESTPITPIPELINE.TXT

ELEVATION :

X-COORD : 33° 20'47.56"S

Y-COORD : 19° 01'09.39"E

HOLE No: TPP23

Scale
1:15



0.00

Wet, red brown, loose, silty gravelly SAND with cobbles of mixed origin:
Fill.

0.60

Wet, grey brown, loose, intact, silty SAND: **Transported.**

1.00

Wet, orange brown mottled orange, soft intact, silty sandy CLAY with
cobbles at depth: **Residual sandstone.**

2.90

NOTES

- 1) Groundwater from 2.50m.
- 2) Stable side walls.
- 3) No refusal.

CONTRACTOR : Mukona Consulting Engineers INCLINATION :

MACHINE : JCB 3 CX

DRILLED BY : Ronald

PROFIED BY : K Naidoo

TYPE SET BY : KN

SETUP FILE : STANDARD.SET

DIAM :

DATE :

DATE : 16/09/21-30/09/21

DATE : 22/11/2021 08:27

TEXT : ..RVASTESTPITPIPELINE.TXT

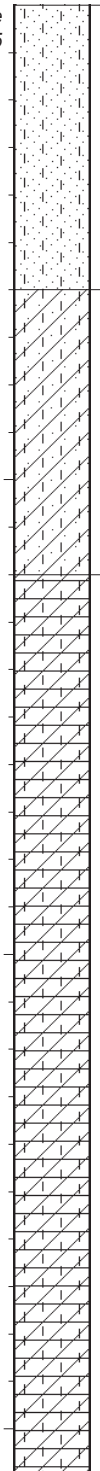
ELEVATION :

X-COORD : 33° 20'56.61"S

Y-COORD : 19° 01'18.92"E

HOLE No: TPP25

Scale
1:15



0.00 Wet, grey brown, loose, intact, silty SAND: **Transported.**

0.60 Wet, orange brown, soft intact, silty sandy CLAY: **Transported.**

1.20 Light beige brown mottled orange stained orange on joints, highly weathered fine grained, highly fractured with silty clay infilling, very soft rock becoming soft rock in places, **SHALE** with interbedded mica rich siltstone.

3.10 **NOTES**

- 1) No water seepage.
- 2) Stable side walls.
- 3) No refusal.

CONTRACTOR : Mukona Consulting Engineers INCLINATION :

MACHINE : JCB 3 CX

DRILLED BY : Ronald

PROFIED BY : K Naidoo

TYPE SET BY : KN

SETUP FILE : STANDARD.SET

DIAM :

DATE :

DATE : 16/09/21-30/09/21

DATE : 22/11/2021 08:27

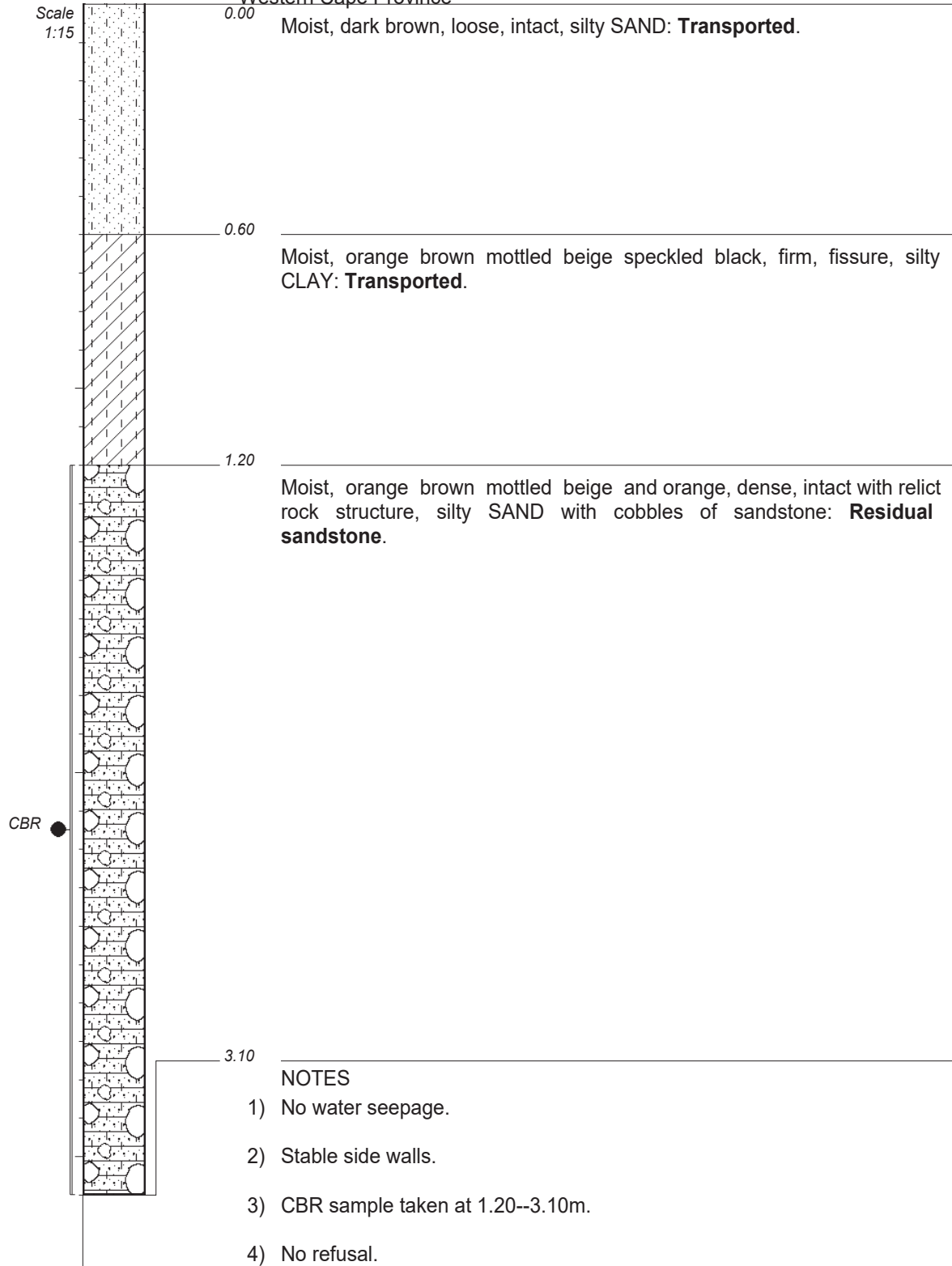
TEXT : ..RVASTESTPITPIPELINE.TXT

ELEVATION :

X-COORD : 33° 21'1.63"S

Y-COORD : 19° 01'19.21"E

HOLE No: TPP26



CONTRACTOR : Mukona Consulting Engineers INCLINATION :

MACHINE : JCB 3 CX

DRILLED BY : Ronald

PROFIED BY : K Naidoo

TYPE SET BY : KN

SETUP FILE : STANDARD.SET

DIAM :

DATE :

DATE : 16/09/21-30/09/21

DATE : 22/11/2021 08:27

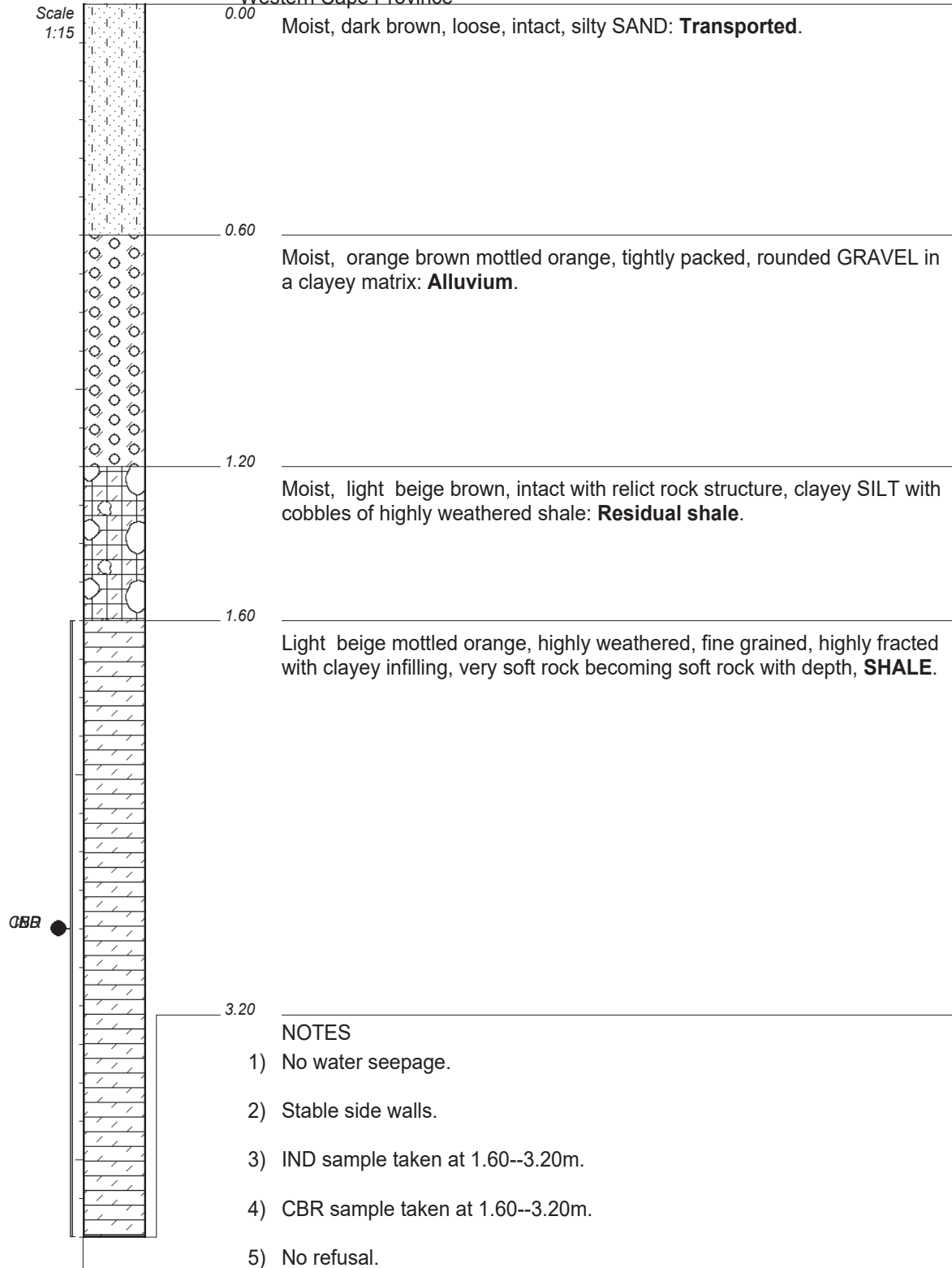
TEXT : ..RVASTESTPITPIPELINE.TXT

ELEVATION :

X-COORD : 33° 21'8.26"S

Y-COORD : 19° 01'19.28"E

HOLE No: TPP27



CONTRACTOR : Mukona Consulting Engineers INCLINATION :

MACHINE : JCB 3 CX

DRILLED BY : Ronald

PROFIED BY : K Naidoo

TYPE SET BY : KN

SETUP FILE : STANDARD.SET

DIAM :

DATE :

DATE : 16/09/21-30/09/21

DATE : 22/11/2021 08:27

TEXT : ..RVASTESTPITPIPELINE.TXT

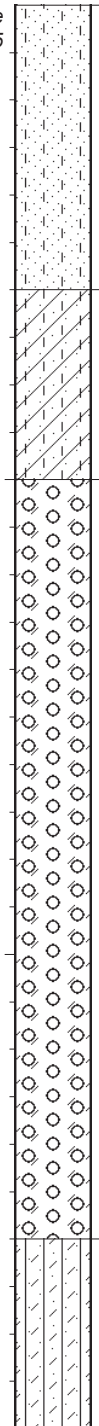
ELEVATION :

X-COORD : 33° 21'14.70"S

Y-COORD : 19° 01'19.31"E

HOLE No: TPP28

Scale
1:15



0.00 Moist, dark brown, loose, intact, silty SAND: **Transported.**

0.60 Moist, orange brown speckled dark brown, soft, intact, silty sandy CLAY: **Transported.**

1.00 Moist, orange brown mottled orange, tightly packed, rounded GRAVEL in a clayey matrix: **Alluvium.**

2.60 Moist, orange brown, dense, intact with relict rock structure, clayey sandy SILT: &Residual&.

3.00 **NOTES**

- 1) No water seepage.
- 2) Stable side walls.
- 3) No refusal.

CONTRACTOR : Mukona Consulting Engineers INCLINATION :

MACHINE : JCB 3 CX

DRILLED BY : Ronald

PROFIED BY : K Naidoo

TYPE SET BY : KN

SETUP FILE : STANDARD.SET

DIAM :

DATE :

DATE : 16/09/21-30/09/21

DATE : 22/11/2021 08:27

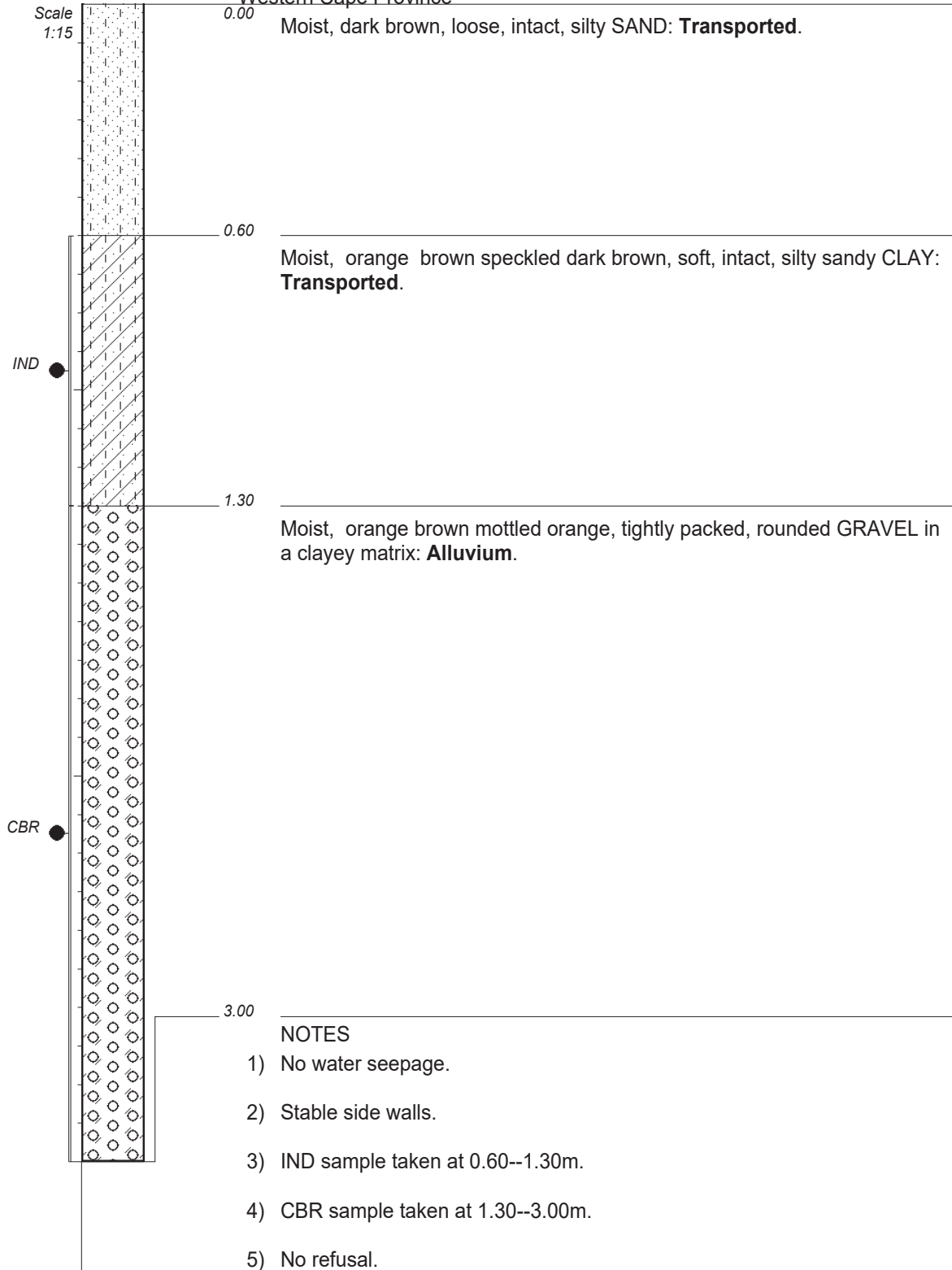
TEXT : ..RVASTESTPITPIPELINE.TXT

ELEVATION :

X-COORD : 33° 21'20.25"S

Y-COORD : 19° 01'22.55"E

HOLE No: TPP29



CONTRACTOR : Mukona Consulting Engineers INCLINATION :

MACHINE : JCB 3 CX

DRILLED BY : Ronald

PROFIED BY : K Naidoo

TYPE SET BY : KN

SETUP FILE : STANDARD.SET

DIAM :

DATE :

DATE : 16/09/21-30/09/21

DATE : 22/11/2021 08:27

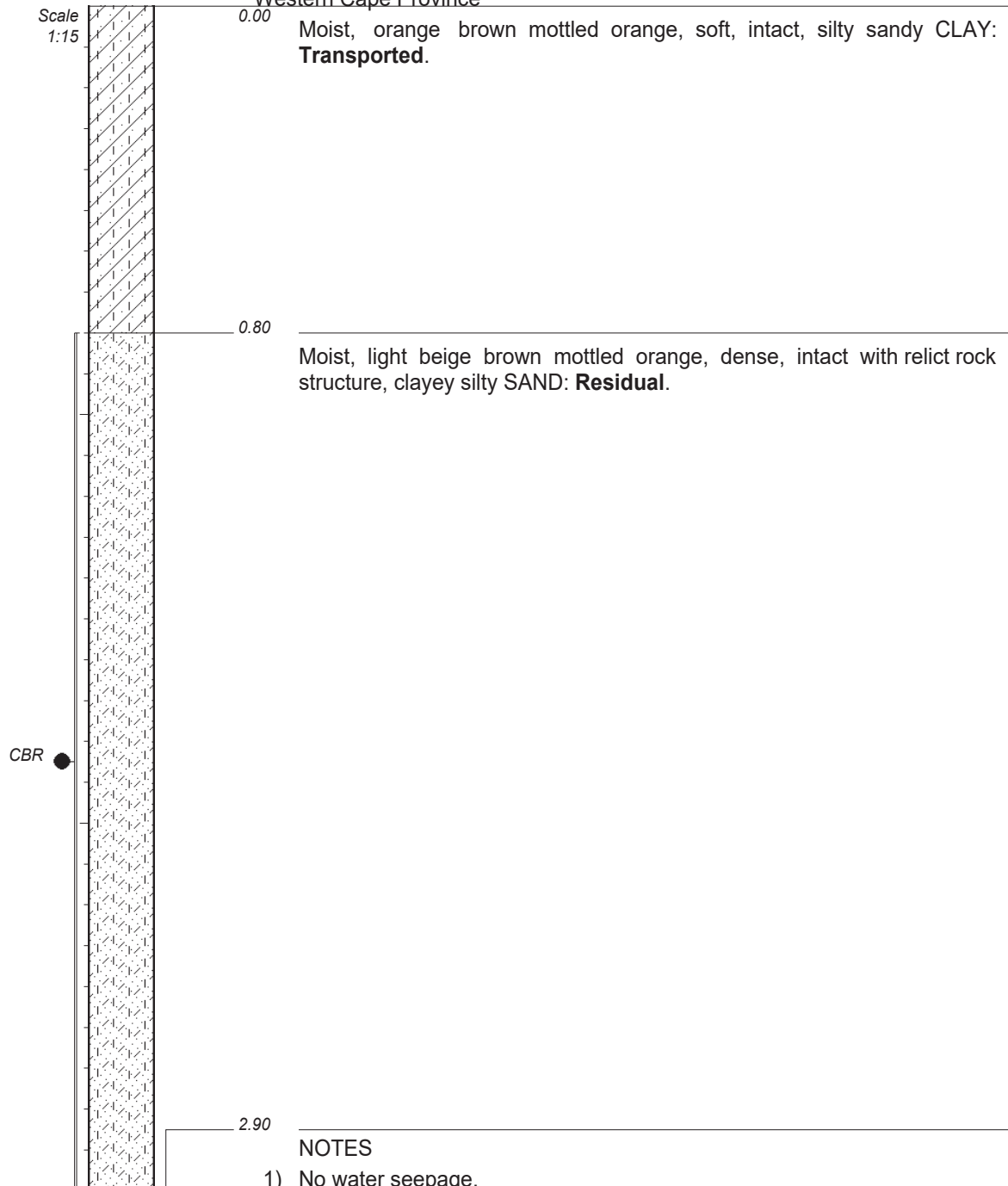
TEXT : ..RVASTESTPITPIPELINE.TXT

ELEVATION :

X-COORD : 33° 21'26.52"S

Y-COORD : 19° 01'24.58"E

HOLE No: TPP30



NOTES

- 1) No water seepage.
- 2) Stable side walls.
- 3) CBR sample taken at 0.80--2.90m.
- 4) No refusal.

CONTRACTOR : Mukona Consulting Engineers INCLINATION :

MACHINE : JCB 3 CX

DRILLED BY : Ronald

PROFIED BY : K Naidoo

TYPE SET BY : KN

SETUP FILE : STANDARD.SET

DIAM :

DATE :

DATE : 16/09/21-30/09/21

DATE : 22/11/2021 08:27

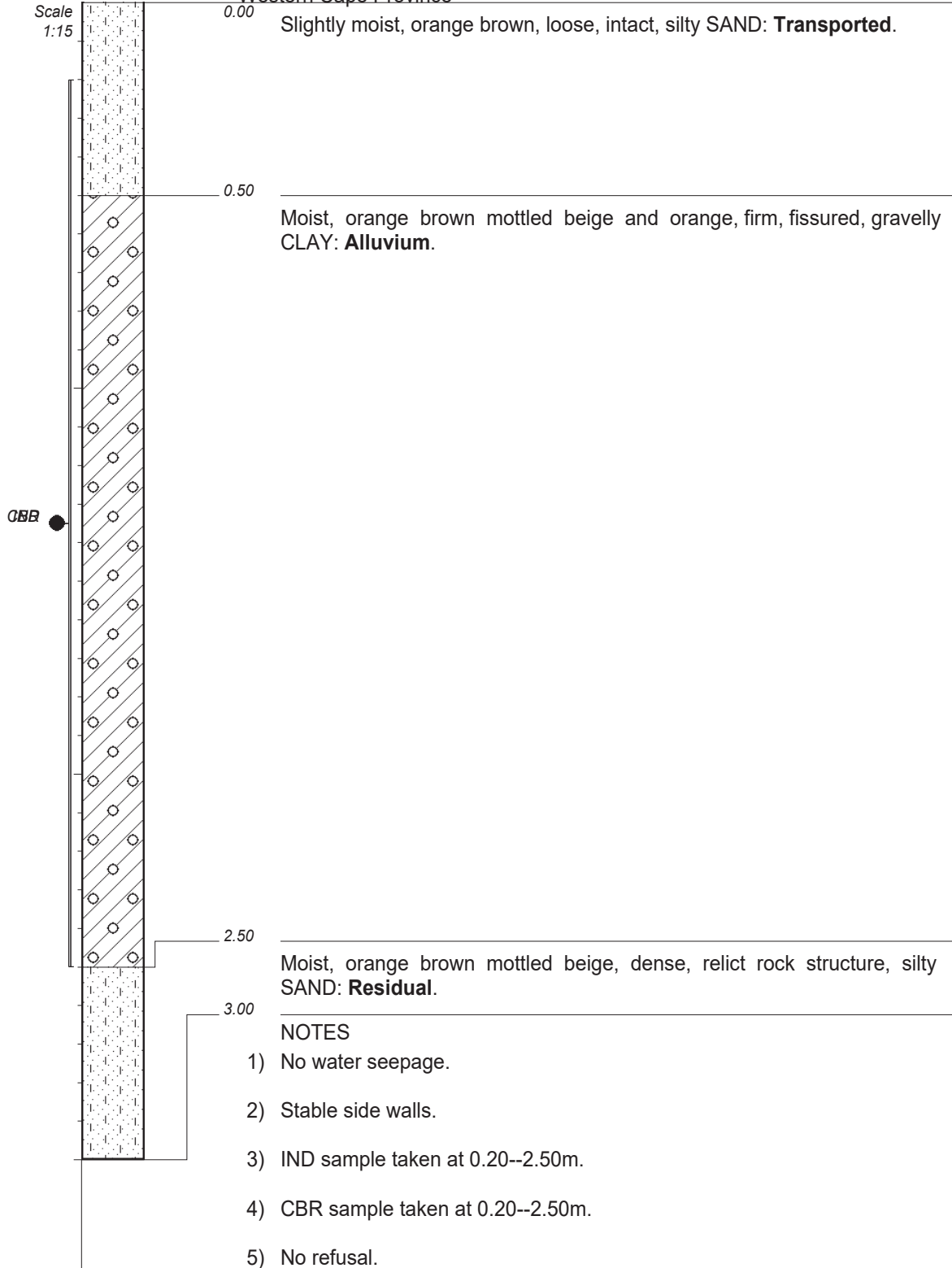
TEXT : ..RVASTESTPITPIPELINE.TXT

ELEVATION :

X-COORD : 33° 21'32.56"S

Y-COORD : 19° 01'26.72"E

HOLE No: TPP31



CONTRACTOR : Mukona Consulting Engineers INCLINATION :

MACHINE : JCB 3 CX

DRILLED BY : Ronald

PROFIED BY : K Naidoo

TYPE SET BY : KN

SETUP FILE : STANDARD.SET

DIAM :

DATE :

DATE : 16/09/21-30/09/21

DATE : 22/11/2021 08:27

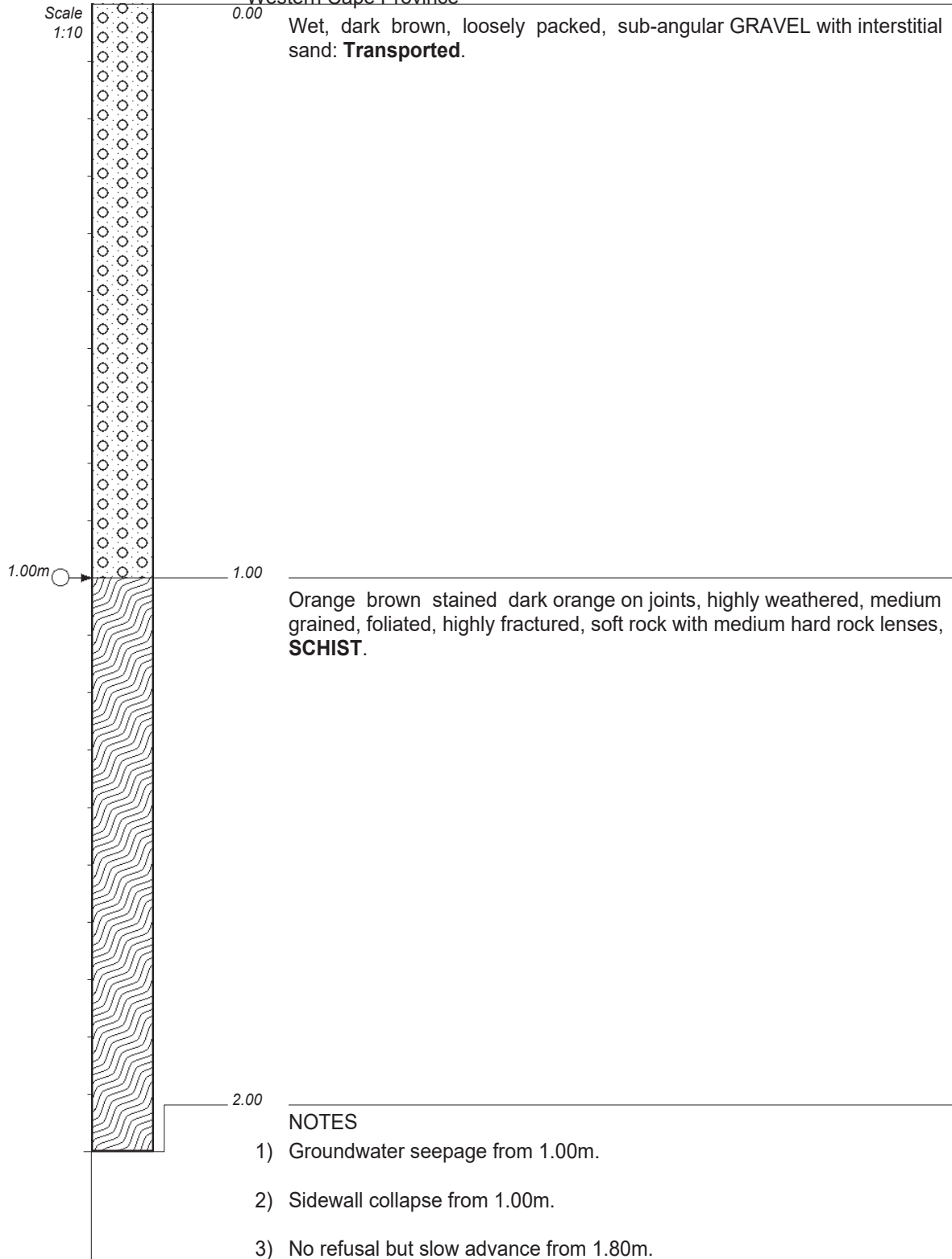
TEXT : ..RVASTESTPITPIPELINE.TXT

ELEVATION :

X-COORD : 33° 21'34.19"S

Y-COORD : 19° 01'34.20"E

HOLE No: TPP32



CONTRACTOR : Mukona Consulting Engineers INCLINATION :

MACHINE : JCB 3 CX

DRILLED BY : Ronald

PROFIED BY : K Naidoo

TYPE SET BY : KN

SETUP FILE : STANDARD.SET

DIAM :

DATE :

DATE : 16/09/21-30/09/21

DATE : 22/11/2021 08:27

TEXT : ..RVASTESTPITPIPELINE.TXT

ELEVATION :

X-COORD : 33° 21'35.30"S

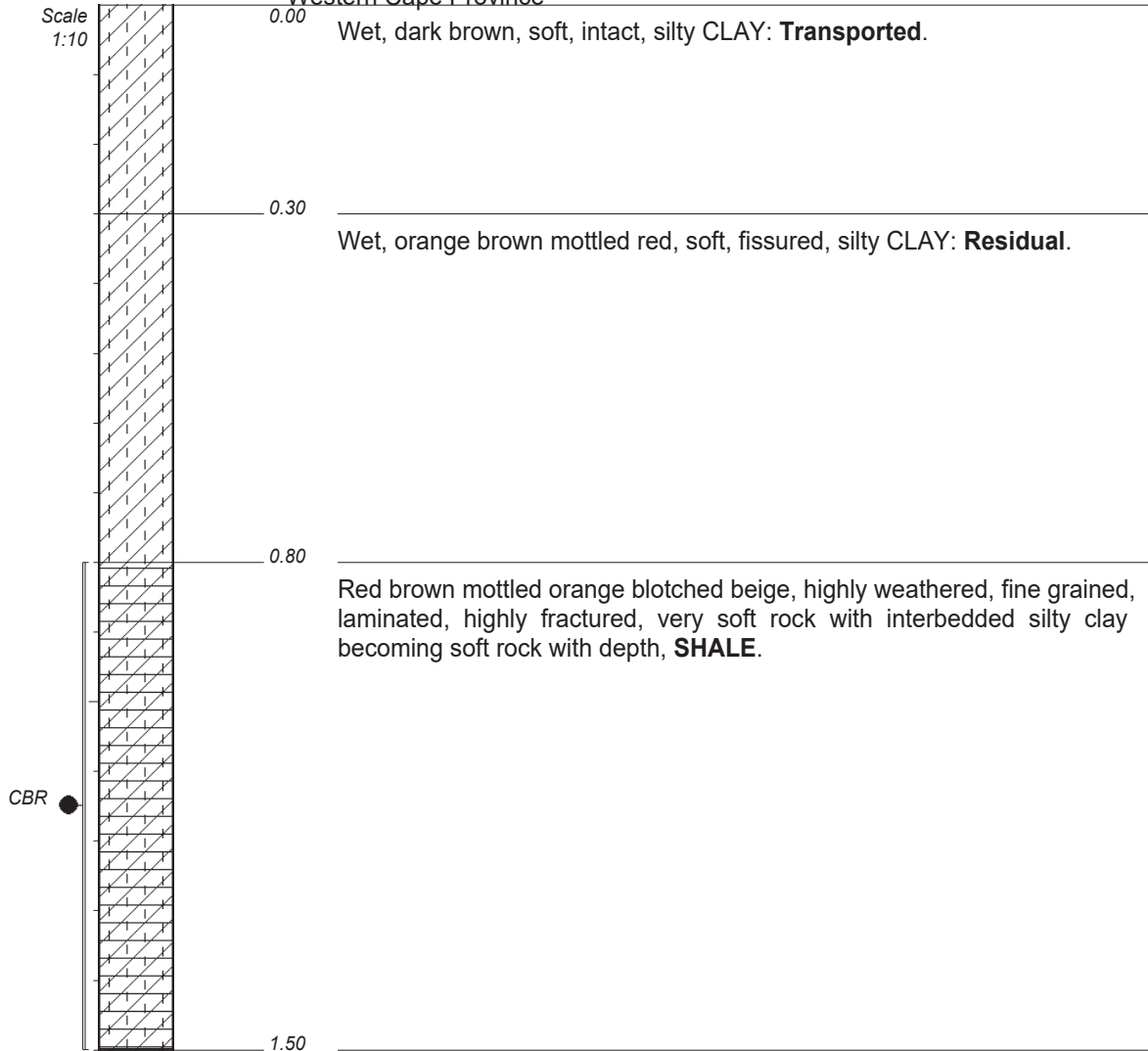
Y-COORD : 19° 01'39.21"E

HOLE No: TPP33

ROADS

FARM ACCESS ROAD RIGHT BANK

TESTPIT PROFILES



NOTES

- 1) No water seepage.
- 2) No sidewall collapse.
- 3) No Refusal.
- 4) CBR sample taken 0.80--1.50m.

CONTRACTOR : Mukona Consulting Engineers INCLINATION : Vertical

MACHINE : JCB 3 CX

DRILLED BY : Ronald

PROFILED BY : K Naidoo

TYPE SET BY : KN

SETUP FILE : STANDARD.SET

DIAM :

DATE :

DATE : 16/09/21-30/09/21

DATE : 22/11/2021 08:26

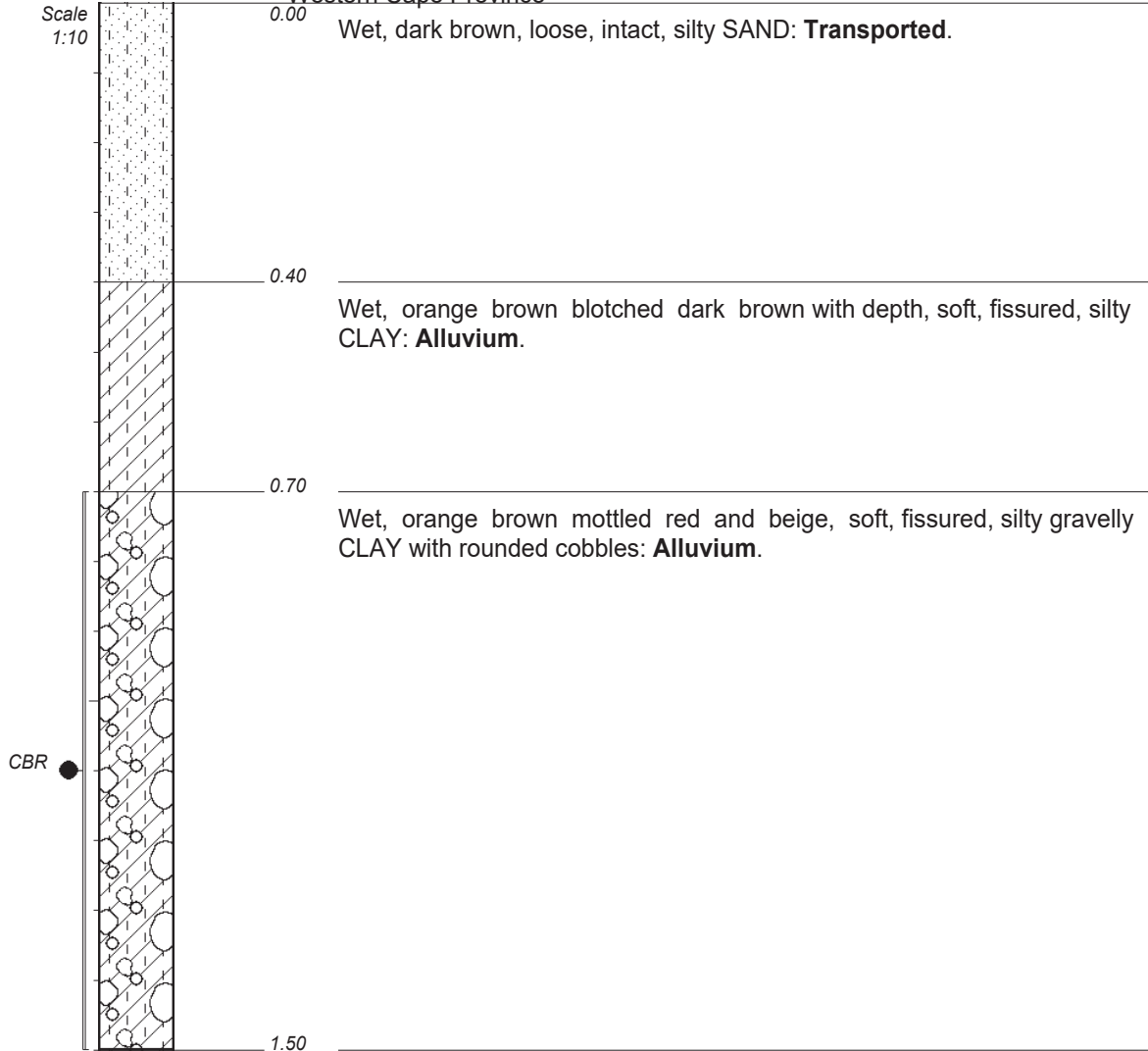
TEXT : ..614BRVASEMBANKMENTAR.TXT

ELEVATION :

X-COORD : 33° 19'37.12"S

Y-COORD : 18° 59'26.58"E

HOLE No: TPRE01



NOTES

- 1) No water seepage.
- 2) No sidewall collapse.
- 3) No Refusal.
- 4) CBR sample taken 0.70--1.50m.

CONTRACTOR : Mukona Consulting Engineers INCLINATION :

MACHINE : JCB 3 CX

DRILLED BY : Ronald

PROFILED BY : K Naidoo

TYPE SET BY : KN

SETUP FILE : STANDARD.SET

DIAM :

DATE :

DATE : 16/09/21-30/09/21

DATE : 22/11/2021 08:26

TEXT : ..614BRVASEMBANKMENTAR.TXT

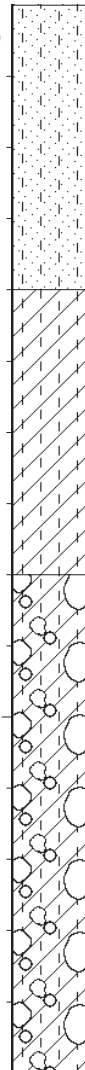
ELEVATION :

X-COORD : 33° 19'37.20"S

Y-COORD : 18° 59'30.48"E

HOLE No: TPRE02

Scale
1:10



0.00

Wet, dark brown, loose, intact, silty SAND: **Transported.**

0.40

Wet, orange brown blotched dark brown with depth, soft, fissured, silty CLAY: **Alluvium.**

0.80

Wet, orange brown mottled red and beige, soft, fissured, silty gravelly CLAY with rounded cobbles: **Alluvium.**

1.50

NOTES

- 1) No water seepage.
- 2) No sidewall collapse.
- 3) No Refusal.

CONTRACTOR : Mukona Consulting Engineers INCLINATION :

MACHINE : JCB 3 CX

DRILLED BY : Ronald

PROFILED BY : K Naidoo

TYPE SET BY : KN

SETUP FILE : STANDARD.SET

DIAM :

DATE :

DATE : 16/09/21-30/09/21

DATE : 22/11/2021 08:26

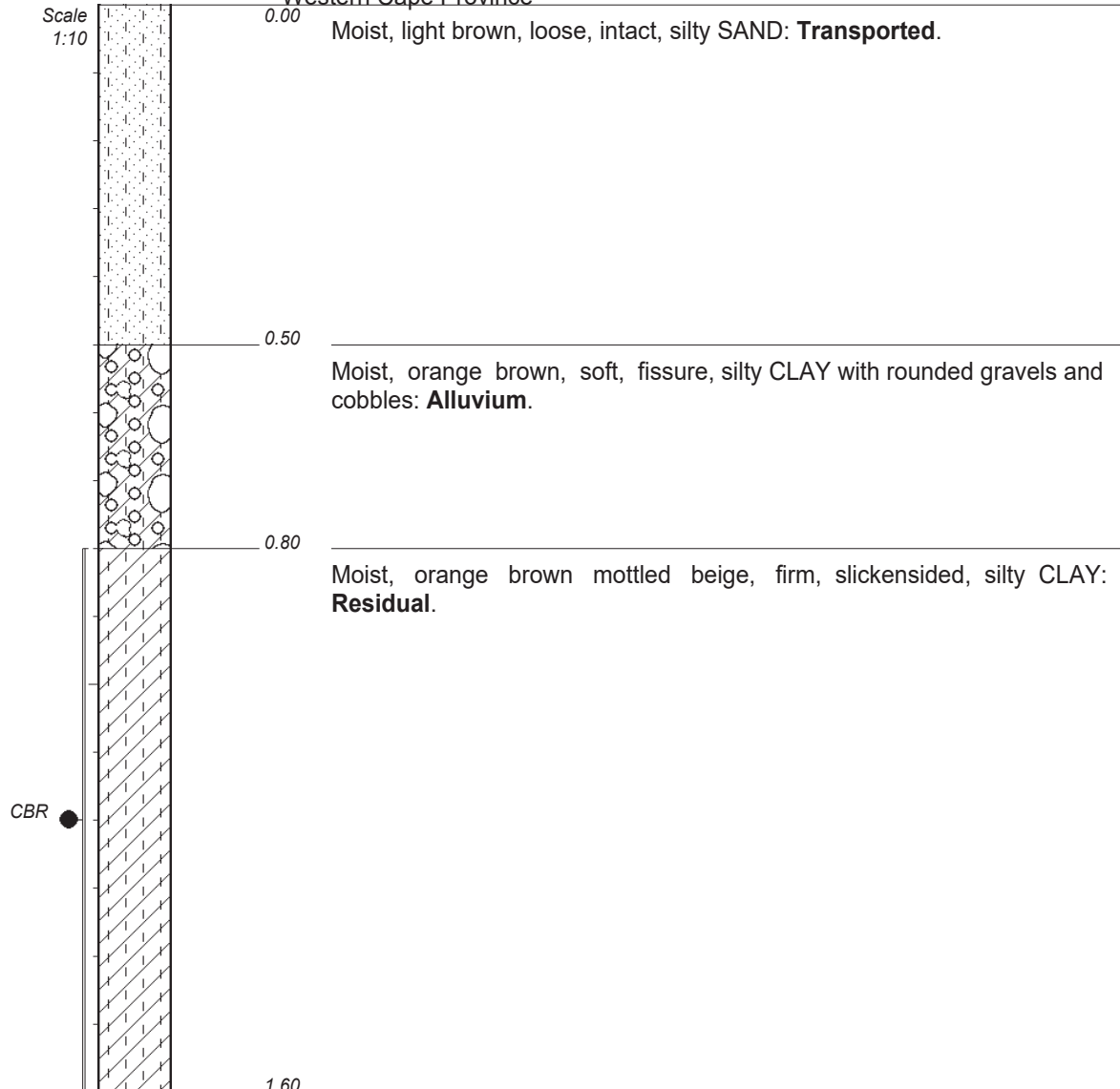
TEXT : ..614BRVASEMBANKMENTAR.TXT

ELEVATION :

X-COORD : 33° 19'37.34"S

Y-COORD : 18° 59'34.22"E

HOLE No: TPRE03



NOTES

- 1) No water seepage.
- 2) No sidewall collapse.
- 3) No Refusal.
- 4) CBR sample taken 0.80--1.60m.

CONTRACTOR : Mukona Consulting Engineers INCLINATION :

MACHINE : JCB 3 CX

DRILLED BY : Ronald

PROFIED BY : K Naidoo

TYPE SET BY : KN

SETUP FILE : STANDARD.SET

DIAM :

DATE :

DATE : 16/09/21-30/09/21

DATE : 22/11/2021 08:26

TEXT : ..614BRVASEMBANKMENTAR.TXT

ELEVATION :

X-COORD : 33° 19'37.49"S

Y-COORD : 18° 59'38.34"E

HOLE No: TPRE04

Scale
1:10



0.00

Moist, dark brown, loose, intact, silty SAND: **Transported.**

0.40

Moist, orange brown, soft, fissured, silty CLAY: **Residual shale.**

0.60

Light beige brown mottled white, highly weathered, fine grained, laminated, highly fractured, very soft rock becoming soft rock with depth, **SHALE.**

1.50

NOTES

- 1) No water seepage.
- 2) No sidewall collapse.
- 3) No Refusal.

CONTRACTOR : Mukona Consulting Engineers INCLINATION :

MACHINE : JCB 3 CX

DRILLED BY : Ronald

PROFILED BY : K Naidoo

TYPE SET BY : KN

SETUP FILE : STANDARD.SET

DIAM :

DATE :

DATE : 16/09/21-30/09/21

DATE : 22/11/2021 08:26

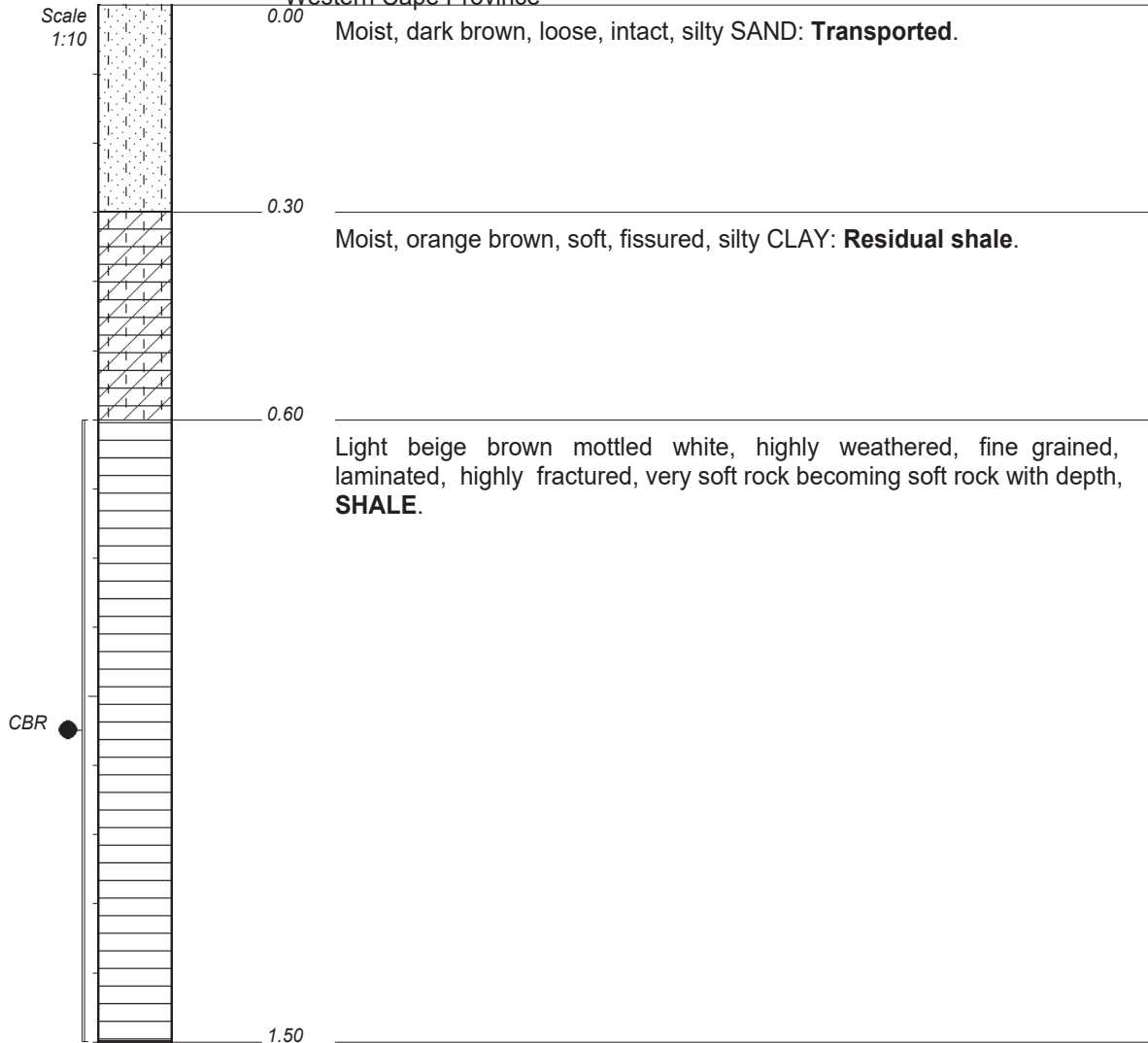
TEXT : ..614BRVASEMBANKMENTAR.TXT

ELEVATION :

X-COORD : 33° 19'37.74"S

Y-COORD : 18° 59'42.16"E

HOLE No: TPRE05



NOTES

- 1) No water seepage.
- 2) No sidewall collapse.
- 3) No Refusal.
- 4) CBR sample taken 0.60--1.50m.

CONTRACTOR : Mukona Consulting Engineers INCLINATION :

MACHINE : JCB 3 CX

DRILLED BY : Ronald

PROFILED BY : K Naidoo

TYPE SET BY : KN

SETUP FILE : STANDARD.SET

DIAM :

DATE :

DATE : 16/09/21-30/09/21

DATE : 22/11/2021 08:26

TEXT : ..614BRVASEMBANKMENTAR.TXT

ELEVATION :

X-COORD : 33° 19'37.77"S

Y-COORD : 18° 59'44.86"E

HOLE No: TPRE06

Scale
1:10



0.00

Moist, orange brown, loose, intact, silty SAND: **Transported.**

0.20

Light beige brown, highly weathered, fine grained, laminated, highly fractured, very soft rock becoming soft rock with depth, **SHALE.**

1.50

NOTES

- 1) No water seepage.
- 2) No sidewall collapse.
- 3) No Refusal.

CONTRACTOR : Mukona Consulting Engineers INCLINATION :

MACHINE : JCB 3 CX

DRILLED BY : Ronald

PROFILED BY : K Naidoo

TYPE SET BY : KN

SETUP FILE : STANDARD.SET

DIAM :

DATE :

DATE : 16/09/21-30/09/21

DATE : 22/11/2021 08:26

TEXT : ..614BRVASEMBANKMENTAR.TXT

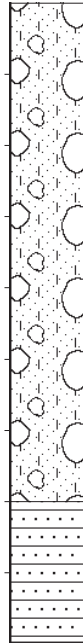
ELEVATION :

X-COORD : 33° 19'37.76"S

Y-COORD : 18° 59'46.44"E

HOLE No: TPRE07

Scale
1:10



0.00

Moist, orange brown, loose, intact, silty SAND with sub-rounded cobbles of mixed origin: **Alluvium**.

0.70

Light orange brown mottled red, highly weathered, highly fractured, soft rock becoming medium hard rock at depth, **SANDSTONE**.

0.90

NOTES

- 1) No water seepage.
- 2) No sidewall collapse.
- 3) Refusal at 0.90m.

CONTRACTOR : Mukona Consulting Engineers INCLINATION :

MACHINE : JCB 3 CX

DRILLED BY : Ronald

PROFILED BY : K Naidoo

TYPE SET BY : KN

SETUP FILE : STANDARD.SET

DIAM :

DATE :

DATE : 16/09/21-30/09/21

DATE : 22/11/2021 08:26

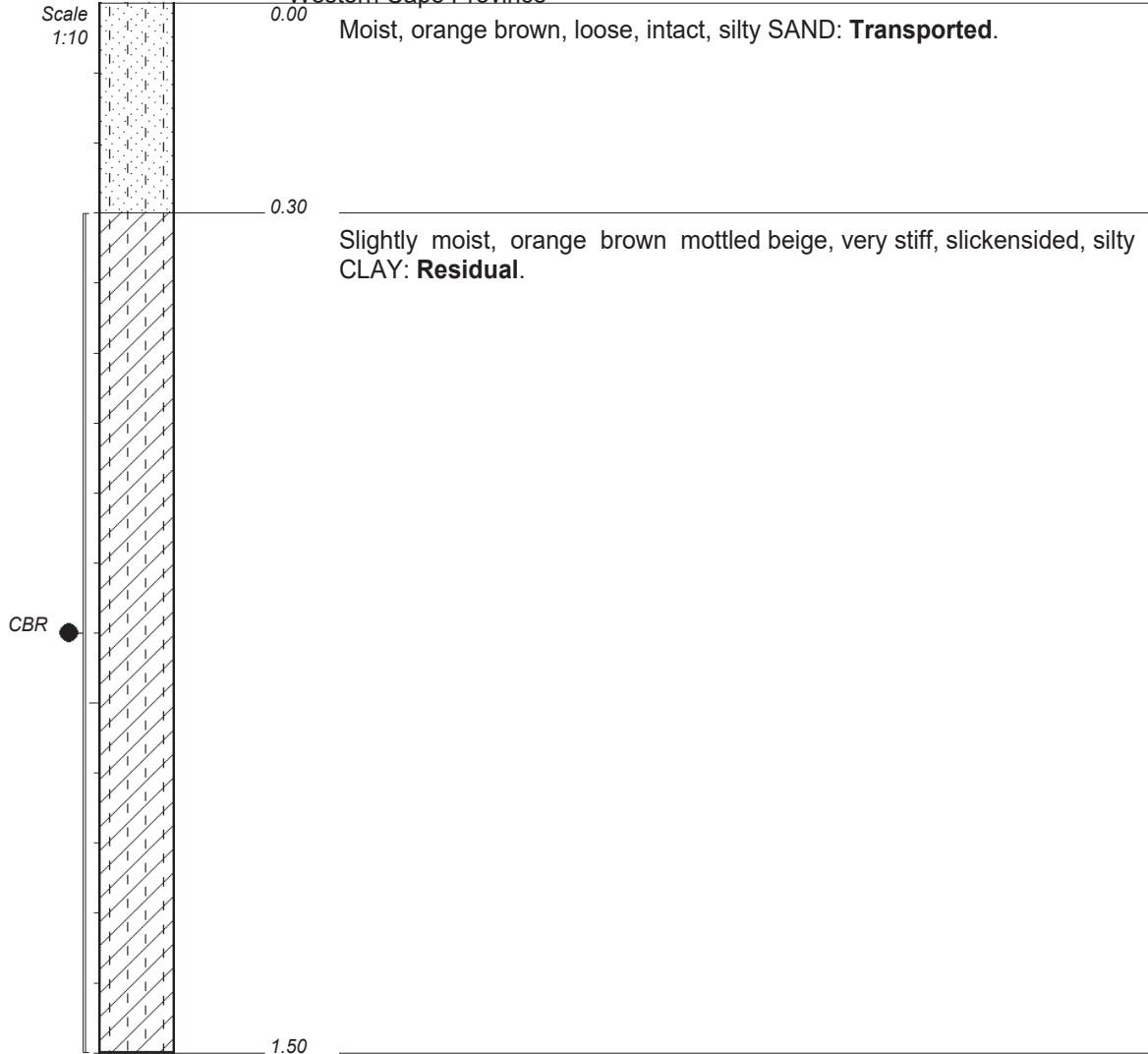
TEXT : ..614BRVASEMBANKMENTAR.TXT

ELEVATION :

X-COORD : 33° 19'37.97"S

Y-COORD : 18° 59'50.14"E

HOLE No: TPRE08



NOTES

- 1) No water seepage.
- 2) No sidewall collapse.
- 3) No Refusal.
- 4) CBR sample taken 0.30--1.50m.

CONTRACTOR : Mukona Consulting Engineers INCLINATION :

MACHINE : JCB 3 CX

DRILLED BY : Ronald

PROFIED BY : K Naidoo

TYPE SET BY : KN

SETUP FILE : STANDARD.SET

DIAM :

DATE :

DATE : 16/09/21-30/09/21

DATE : 22/11/2021 08:26

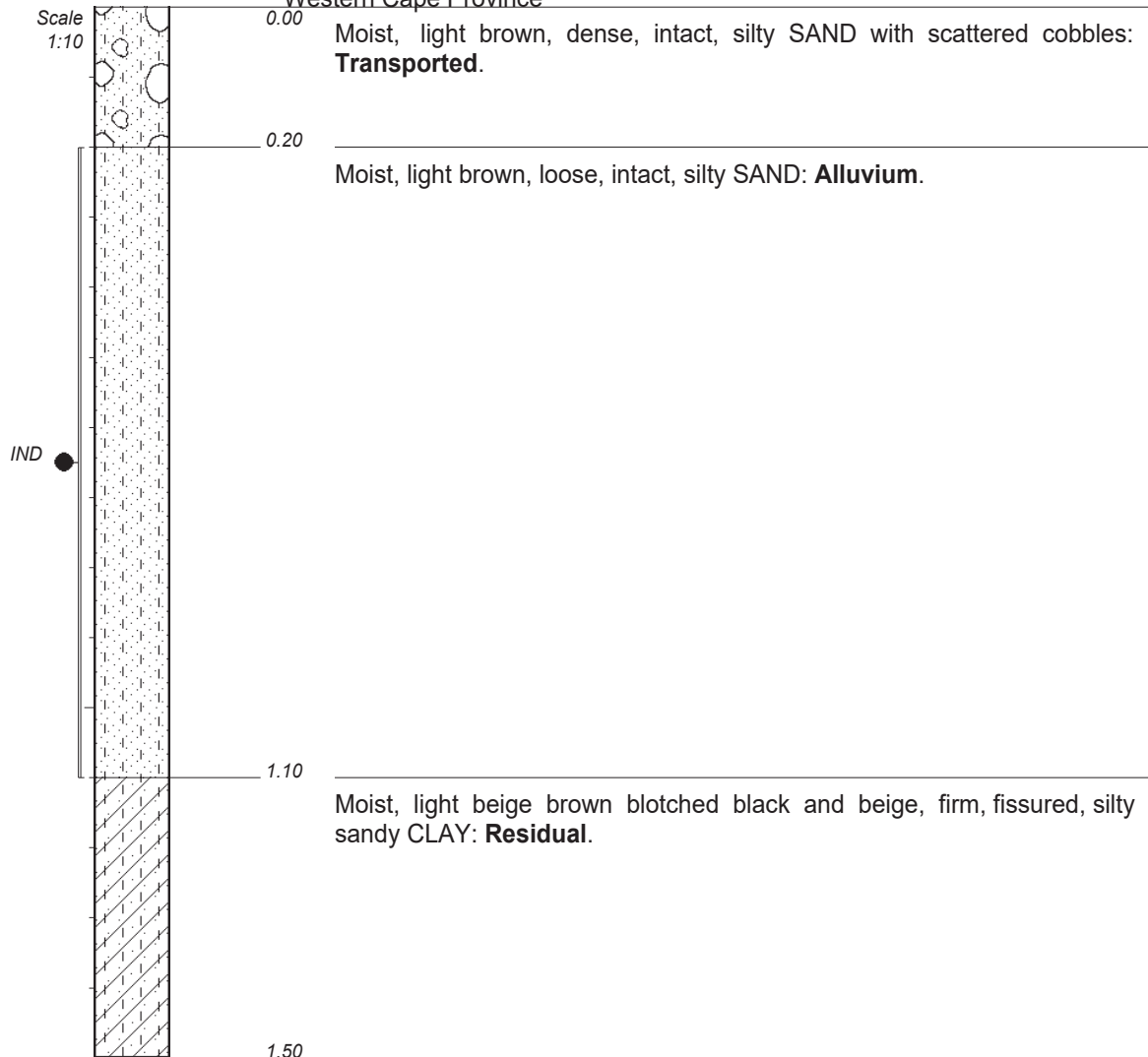
TEXT : ..614BRVASEMBANKMENTAR.TXT

ELEVATION :

X-COORD : 33° 19'38.11"S

Y-COORD : 18° 59'54.05"E

HOLE No: TPRE09



NOTES

- 1) No water seepage.
- 2) No sidewall collapse.
- 3) No Refusal.
- 4) IND sample taken 0.20--1.10m.

CONTRACTOR : Mukona Consulting Engineers INCLINATION :

MACHINE : JCB 3 CX

DRILLED BY : Ronald

PROFIED BY : K Naidoo

TYPE SET BY : KN

SETUP FILE : STANDARD.SET

DIAM :

DATE :

DATE : 16/09/21-30/09/21

DATE : 22/11/2021 08:26

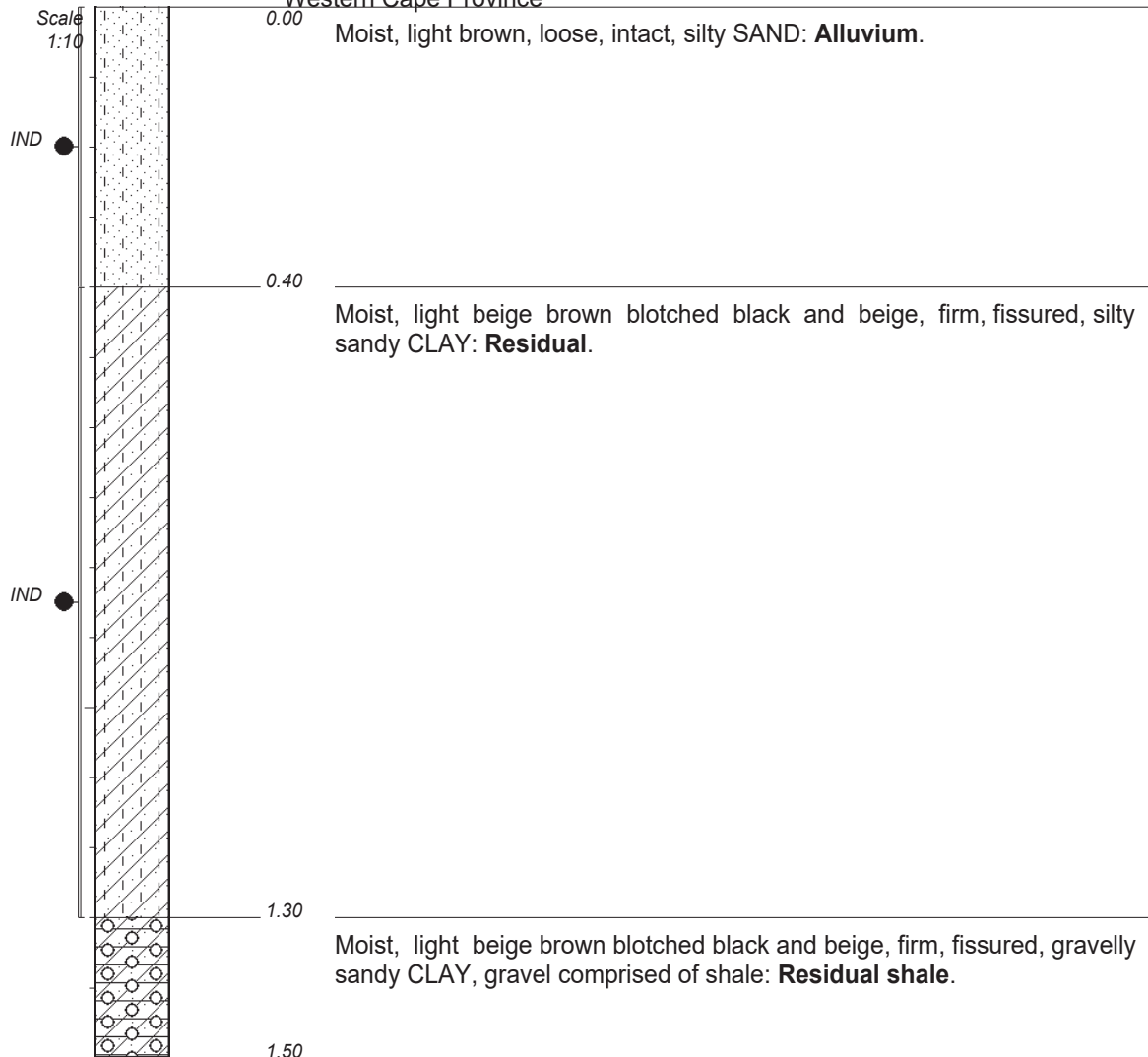
TEXT : ..614BRVASEMBANKMENTAR.TXT

ELEVATION :

X-COORD : 33° 19'38.25"S

Y-COORD : 18° 59'57.91"E

HOLE No: TPRE10



NOTES

- 1) No water seepage.
- 2) No sidewall collapse.
- 3) No Refusal.
- 4) IND sample taken 0.00--0.40m.
- 5) IND sample taken 0.40--1.30m.

CONTRACTOR : Mukona Consulting Engineers INCLINATION :

MACHINE : JCB 3 CX

DRILLED BY : Ronald

PROFIED BY : K Naidoo

TYPE SET BY : KN

SETUP FILE : STANDARD.SET

DIAM :

DATE :

DATE : 16/09/21-30/09/21

DATE : 22/11/2021 08:26

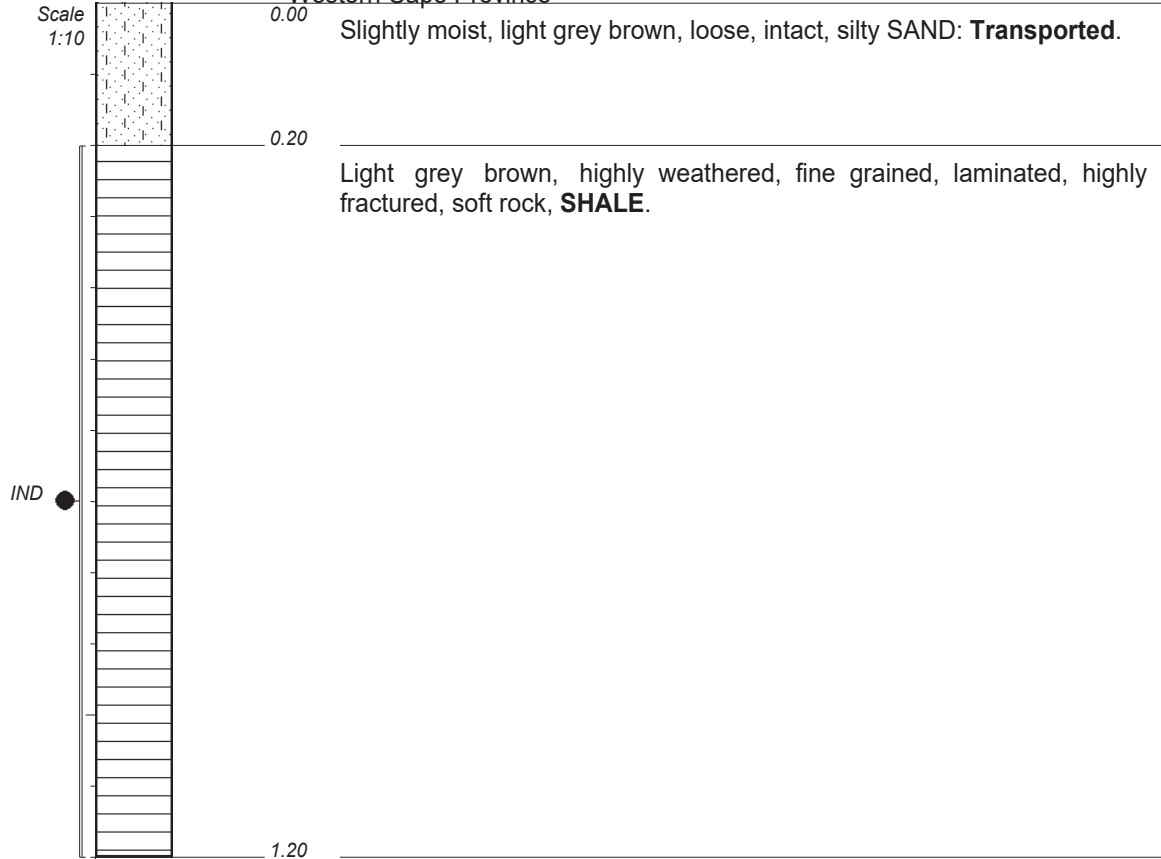
TEXT : ..614BRVASEMBANKMENTAR.TXT

ELEVATION :

X-COORD : 33° 19'38.37"S

Y-COORD : 19° 00'00.80"E

HOLE No: TPRE11



NOTES

- 1) No water seepage.
- 2) No sidewall collapse.
- 3) Refusal at 1.20m.
- 4) IND sample taken 0.20--1.20m.

CONTRACTOR : Mukona Consulting Engineers INCLINATION :

MACHINE : JCB 3 CX

DRILLED BY : Ronald

PROFILED BY : K Naidoo

TYPE SET BY : KN

SETUP FILE : STANDARD.SET

DIAM :

DATE :

DATE : 16/09/21-30/09/21

DATE : 22/11/2021 08:26

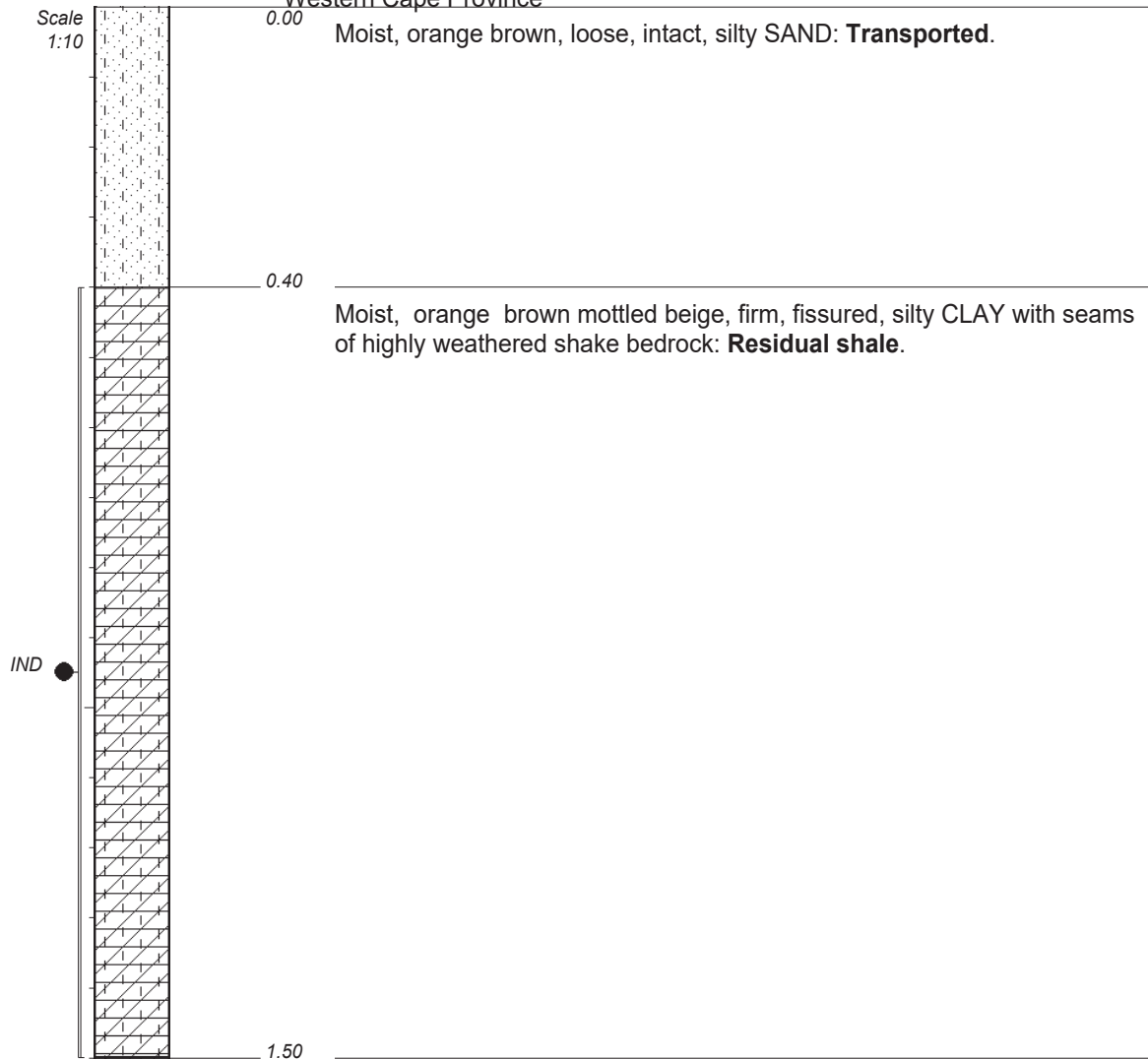
TEXT : ..614BRVASEMBANKMENTAR.TXT

ELEVATION :

X-COORD : 33° 19'54.63"S

Y-COORD : 19° 00'01.31"E

HOLE No: TPRE12



NOTES

- 1) No water seepage.
- 2) No sidewall collapse.
- 3) No Refusal.
- 4) IND sample taken 0.40--1.50m.

CONTRACTOR : Mukona Consulting Engineers INCLINATION :

MACHINE : JCB 3 CX

DRILLED BY : Ronald

PROFILED BY : K Naidoo

TYPE SET BY : KN

SETUP FILE : STANDARD.SET

DIAM :

DATE :

DATE : 16/09/21-30/09/21

DATE : 22/11/2021 08:26

TEXT : ..614BRVASEMBANKMENTAR.TXT

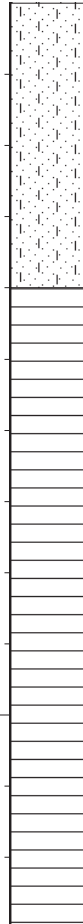
ELEVATION :

X-COORD : 33° 20'10.66"S

Y-COORD : 18° 59'59.33"E

HOLE No: TPRE13

Scale
1:10



0.00

Moist, orange brown, loose, intact, silty SAND: **Transported.**

0.40

Light beige brown mottled red, highly weathered, fine grained, laminated, highly fractured, soft rock, **SHALE.**

1.30

NOTES

- 1) No water seepage.
- 2) No sidewall collapse.
- 3) Refusal at 1.20m.

CONTRACTOR : Mukona Consulting Engineers INCLINATION :

MACHINE : JCB 3 CX

DRILLED BY : Ronald

PROFILED BY : K Naidoo

TYPE SET BY : KN

SETUP FILE : STANDARD.SET

DIAM :

DATE :

DATE : 16/09/21-30/09/21

DATE : 22/11/2021 08:26

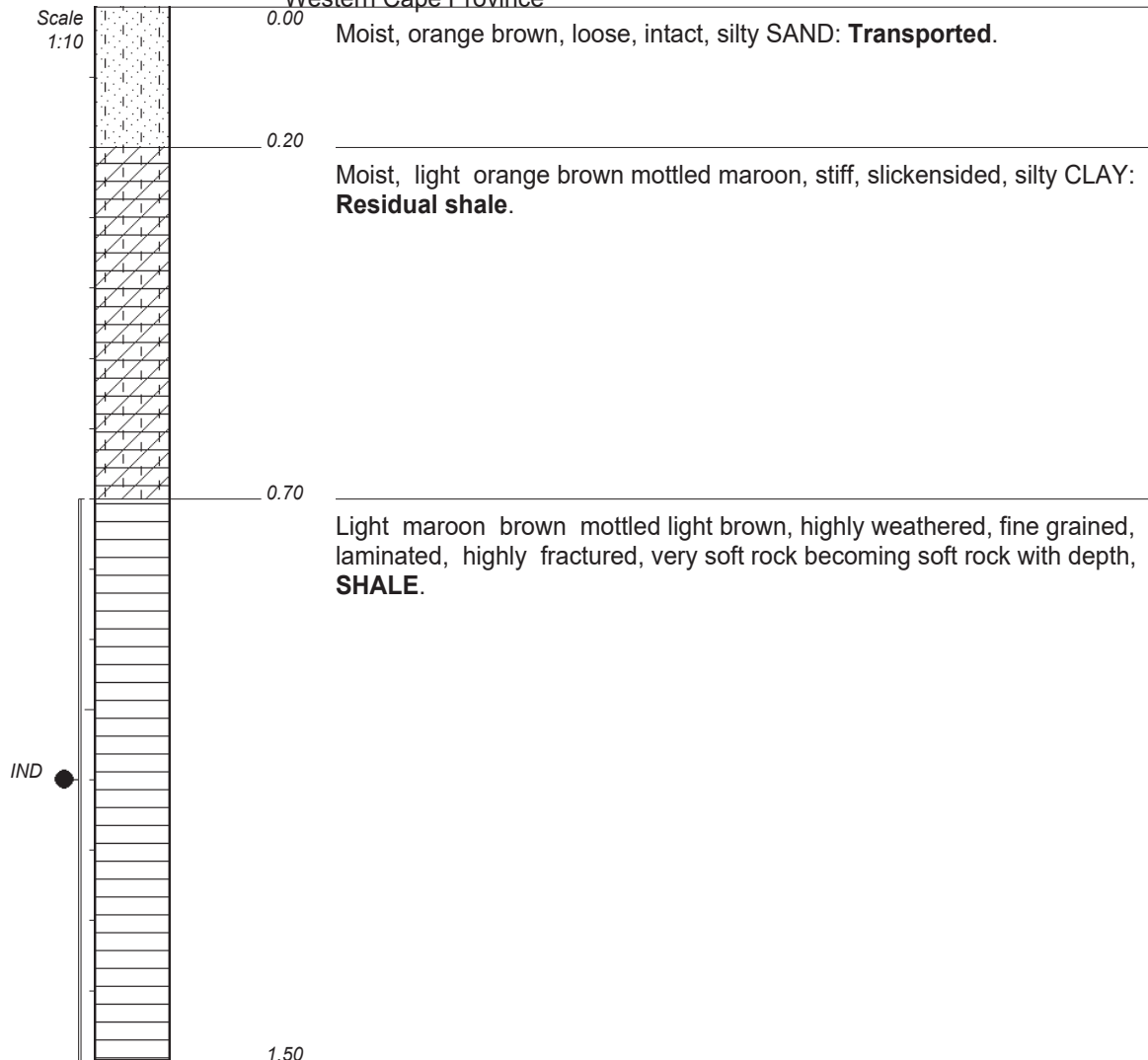
TEXT : ..614BRVASEMBANKMENTAR.TXT

ELEVATION :

X-COORD : 33° 20'26.93"S

Y-COORD : 18° 59'59.44"E

HOLE No: TPRE14



NOTES

- 1) No water seepage.
- 2) No sidewall collapse.
- 3) No Refusal.
- 4) IND sample taken 0.70--1.50m.

CONTRACTOR : Mukona Consulting Engineers INCLINATION :

MACHINE : JCB 3 CX

DRILLED BY : Ronald

PROFILED BY : K Naidoo

TYPE SET BY : KN

SETUP FILE : STANDARD.SET

DIAM :

DATE :

DATE : 16/09/21-30/09/21

DATE : 22/11/2021 08:26

TEXT : ..614BRVASEMBANKMENTAR.TXT

ELEVATION :

X-COORD : 33° 20'43.80"S

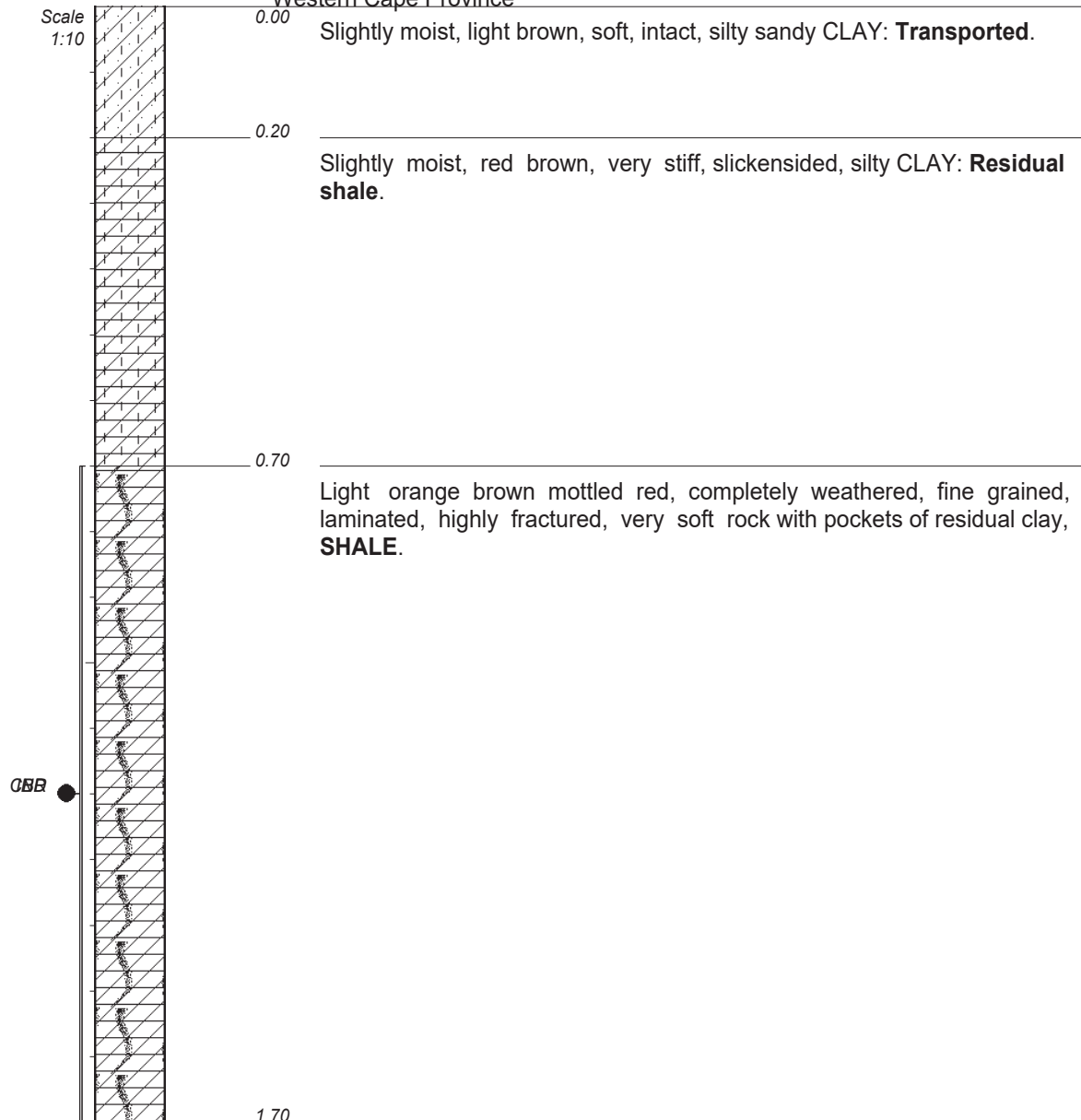
Y-COORD : 18° 59'59.45"E

HOLE No: TPRE15

ROADS

FARM ACCESS ROAD LEFT BANK

TESTPIT PROFILES



NOTES

- 1) No water seepage.
- 2) No sidewall collapse.
- 3) No Refusal.
- 4) IND sample taken 0.70--1.70m.
- 5) CBR sample taken 0.70--1.70m.

CONTRACTOR : Mukona Consulting Engineers INCLINATION : Vertical

MACHINE : JCB 3 CX

DRILLED BY : Ronald

PROFIED BY : K Naidoo

TYPE SET BY : KN

SETUP FILE : STANDARD.SET

DIAM :

DATE :

DATE : 16/09/21-30/09/21

DATE : 22/11/2021 08:19

TEXT : ..TPITSBRITZACCESSROAD.TXT

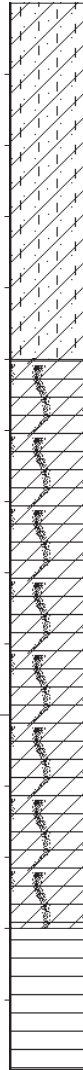
ELEVATION :

X-COORD : 33° 19'24.62"S

Y-COORD : 18° 57'53.15"E

HOLE No: TPR01

Scale
1:10



0.00 Moist, dark brown, firm, intact, silty sandy CLAY: **Transported.**

0.50 Light beige brown stained black, completely weathered, fine grained, laminated, highly fractured, very soft rock with pockets of residual clay, **SHALE.**

1.30 Light beige brown stained black, highly weathered, fine grained, laminated, highly fractured, very soft rock, **SHALE.**

1.50

NOTES

- 1) No water seepage.
- 2) No sidewall collapse.
- 3) No Refusal.

CONTRACTOR : Mukona Consulting Engineers INCLINATION :

MACHINE : JCB 3 CX

DRILLED BY : Ronald

PROFILED BY : K Naidoo

TYPE SET BY : KN

SETUP FILE : STANDARD.SET

DIAM :

DATE :

DATE : 16/09/21-30/09/21

DATE : 22/11/2021 08:19

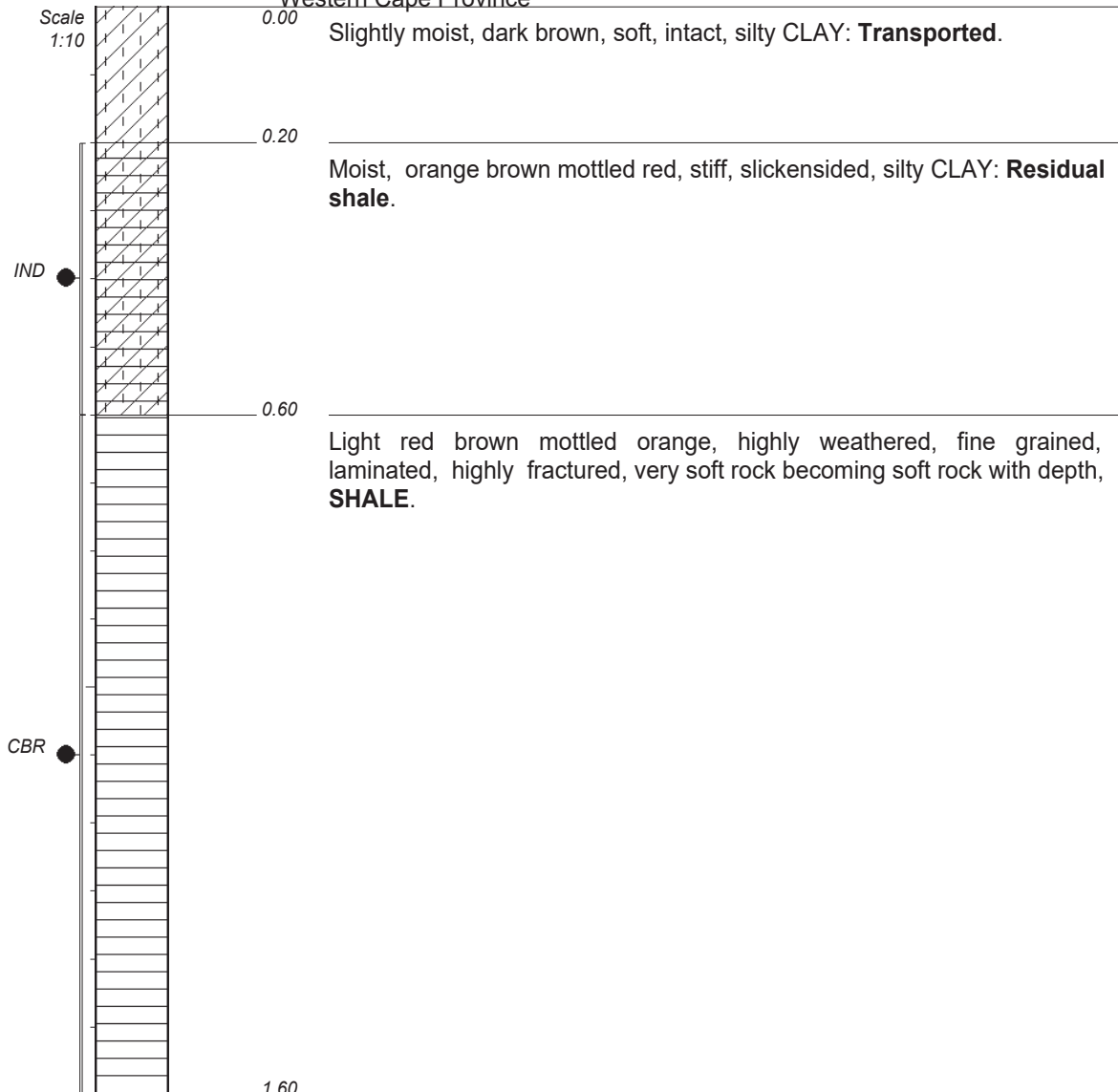
TEXT : ..TPITSBRITZACCESSROAD.TXT

ELEVATION :

X-COORD : 33° 19'25.24"S

Y-COORD : 18° 57'57.28"E

HOLE No: TPR02



NOTES

- 1) No water seepage.
- 2) No sidewall collapse.
- 3) No Refusal.
- 4) IND sample taken 0.20--0.60m.
- 5) CBR sample taken 0.60--1.60m.

CONTRACTOR : Mukona Consulting Engineers INCLINATION :

MACHINE : JCB 3 CX

DRILLED BY : Ronald

PROFILED BY : K Naidoo

TYPE SET BY : KN

SETUP FILE : STANDARD.SET

DIAM :

DATE :

DATE : 16/09/21-30/09/21

DATE : 22/11/2021 08:19

TEXT : ..TPITSBRITZACCESSROAD.TXT

ELEVATION :

X-COORD : 33° 19'25.74"S

Y-COORD : 18° 58'1.33"E

HOLE No: TPR03

Scale
1:10



0.00

Moist, orange brown, firm, fissured, silty CLAY: **Residual shale.**

1.10

Red brown mottled maroon, highly weathered, fine grained, laminated, highly fractured, very soft rock, **SHALE.**

1.50

NOTES

- 1) No water seepage.
- 2) No sidewall collapse.
- 3) No Refusal.

CONTRACTOR : Mukona Consulting Engineers INCLINATION :

MACHINE : JCB 3 CX

DRILLED BY : Ronald

PROFILED BY : K Naidoo

TYPE SET BY : KN

SETUP FILE : STANDARD.SET

DIAM :

DATE :

DATE : 16/09/21-30/09/21

DATE : 22/11/2021 08:19

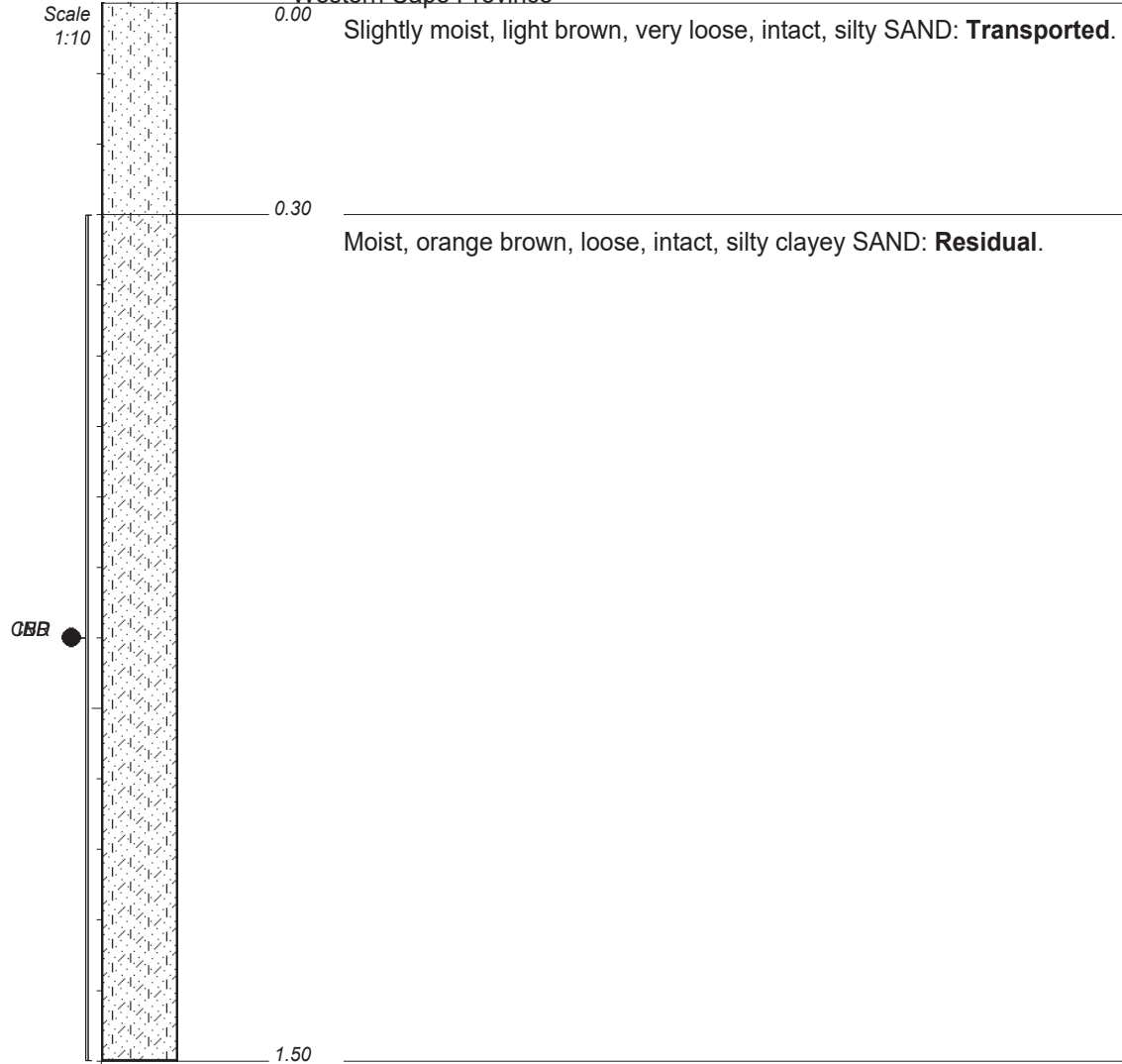
TEXT : ..TPITSBRITZACCESSROAD.TXT

ELEVATION :

X-COORD : 33° 19'26.31"S

Y-COORD : 18° 58'5.20"E

HOLE No: TPR04



NOTES

- 1) No water seepage.
- 2) No sidewall collapse.
- 3) No Refusal.
- 4) IND sample taken 0.30--1.50m.
- 5) CBR sample taken 0.30--1.50m.

CONTRACTOR : Mukona Consulting Engineers INCLINATION :

MACHINE : JCB 3 CX

DRILLED BY : Ronald

PROFILED BY : K Naidoo

TYPE SET BY : KN

SETUP FILE : STANDARD.SET

DIAM :

DATE :

DATE : 16/09/21-30/09/21

DATE : 22/11/2021 08:19

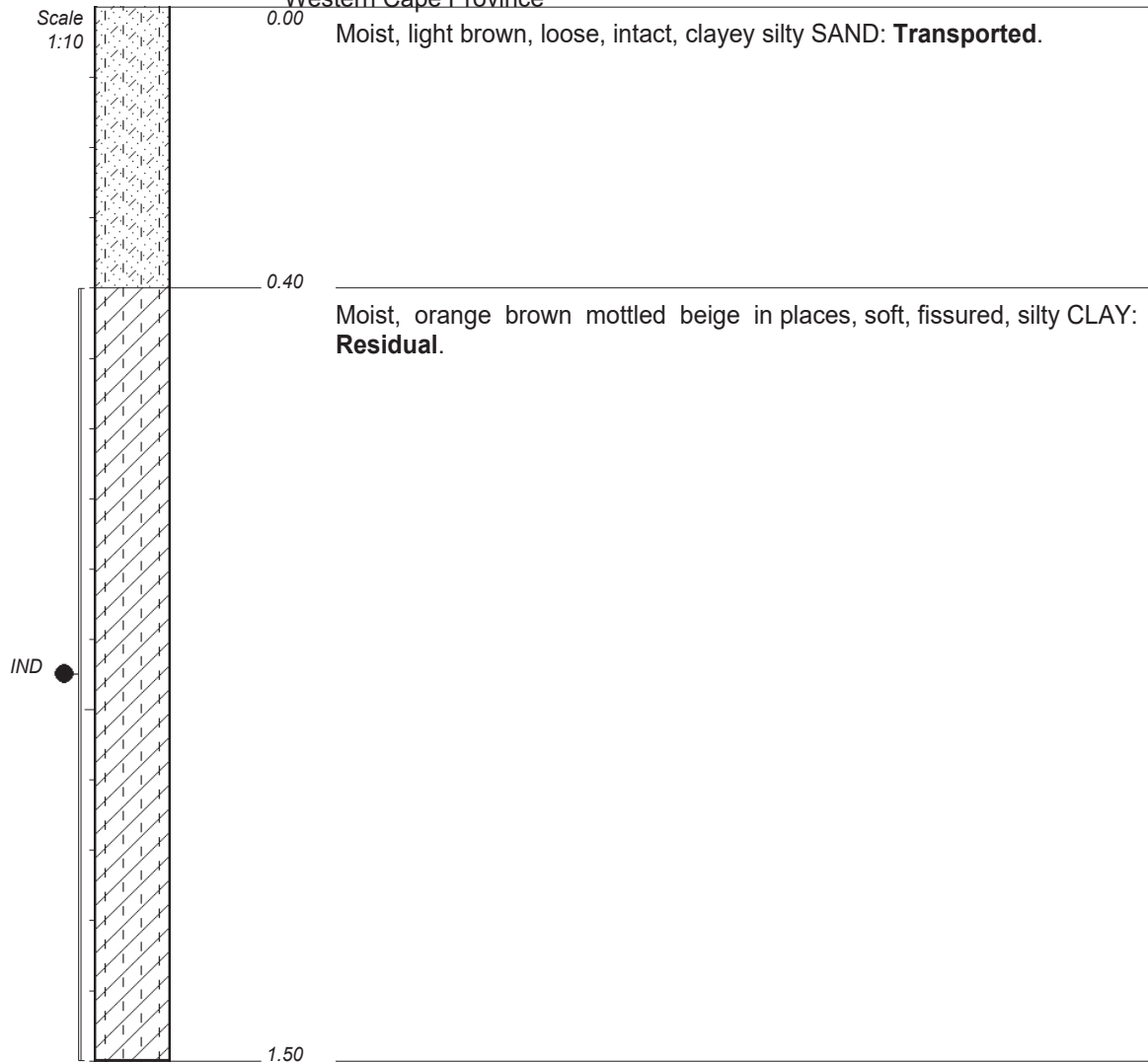
TEXT : ..TPITSBRITZACCESSROAD.TXT

ELEVATION :

X-COORD : 33° 19' 26.81"S

Y-COORD : 18° 58' 8.95"E

HOLE No: TPR05



NOTES

- 1) No water seepage.
- 2) No sidewall collapse.
- 3) No Refusal.
- 4) IND sample taken 0.40--1.50m.

CONTRACTOR : Mukona Consulting Engineers INCLINATION :

MACHINE : JCB 3 CX

DRILLED BY : Ronald

PROFILED BY : K Naidoo

TYPE SET BY : KN

SETUP FILE : STANDARD.SET

DIAM :

DATE :

DATE : 16/09/21-30/09/21

DATE : 22/11/2021 08:19

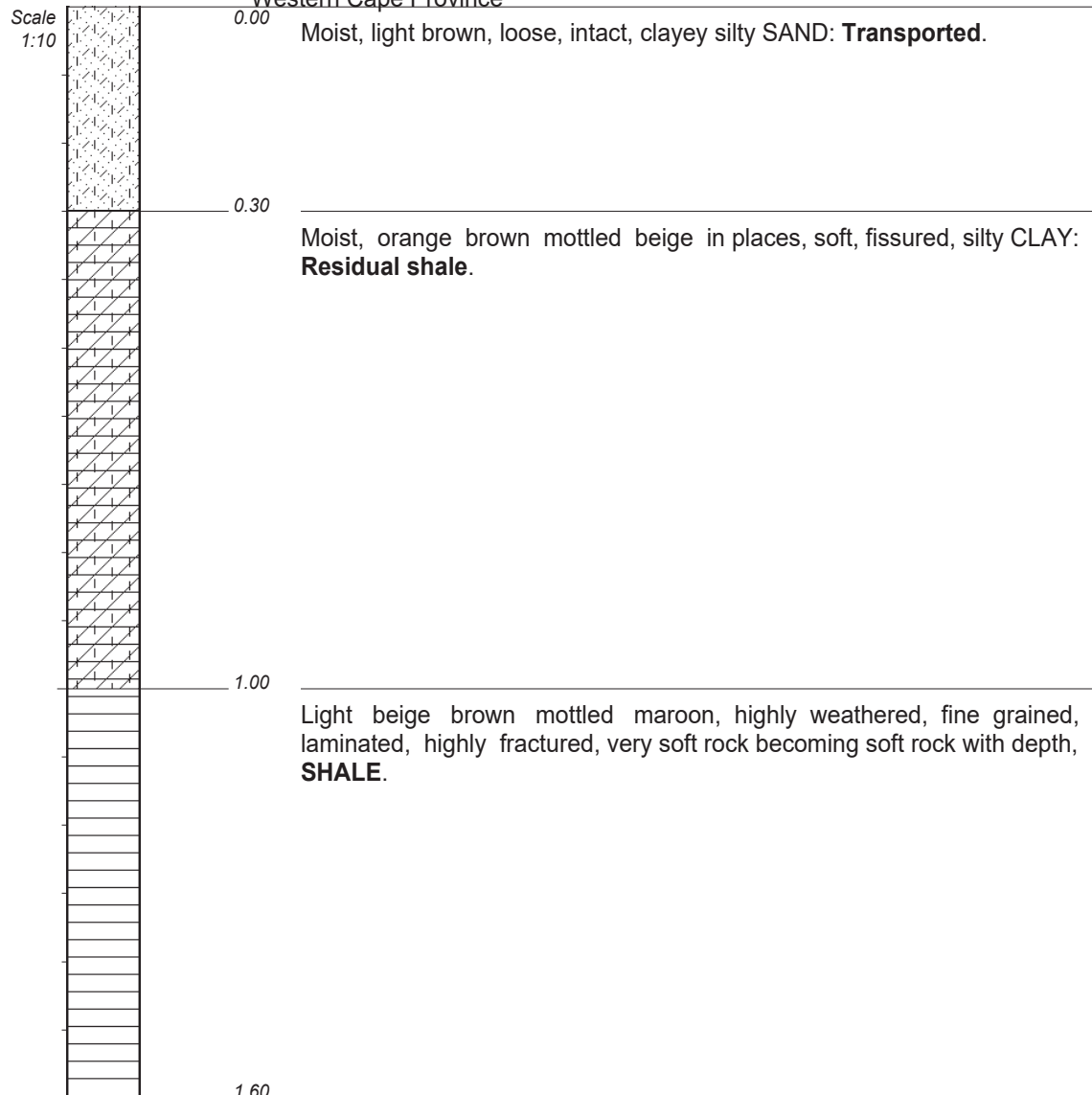
TEXT : ..TPITSBRITZACCESSROAD.TXT

ELEVATION :

X-COORD : 33° 19'27.51"S

Y-COORD : 18° 58'13.68"E

HOLE No: TPR06



NOTES

- 1) No water seepage.
- 2) No sidewall collapse.
- 3) No Refusal.

CONTRACTOR : Mukona Consulting Engineers INCLINATION :

MACHINE : JCB 3 CX

DRILLED BY : Ronald

PROFILED BY : K Naidoo

TYPE SET BY : KN

SETUP FILE : STANDARD.SET

DIAM :

DATE :

DATE : 16/09/21-30/09/21

DATE : 22/11/2021 08:19

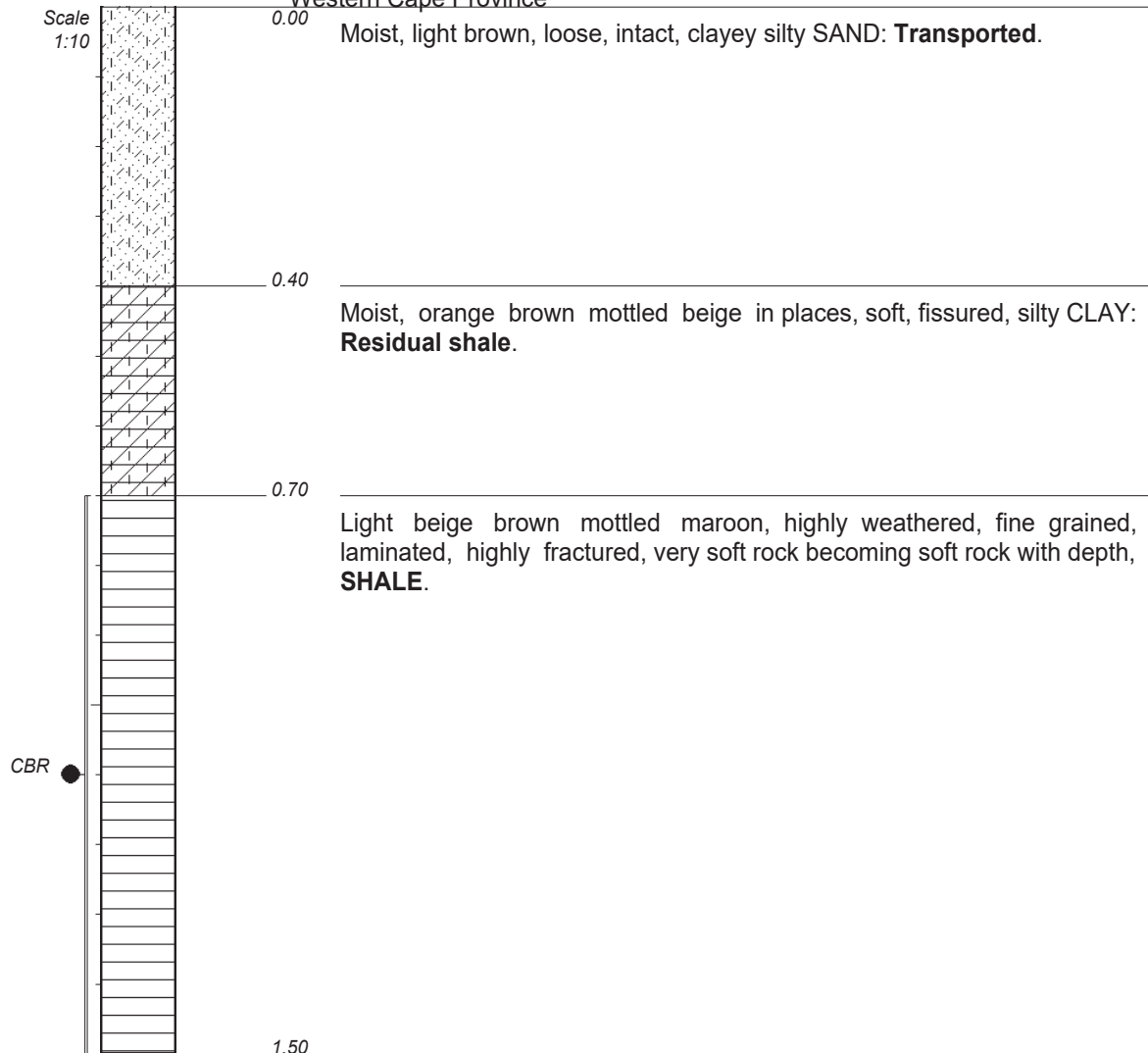
TEXT : ..TPITSBRITZACCESSROAD.TXT

ELEVATION :

X-COORD : 33° 19' 27.98"S

Y-COORD : 18° 58' 17.15"E

HOLE No: TPR07



NOTES

- 1) No water seepage.
- 2) No sidewall collapse.
- 3) No Refusal.
- 4) CBR sample taken 0.70--1.50m.

CONTRACTOR : Mukona Consulting Engineers INCLINATION :

MACHINE : JCB 3 CX

DRILLED BY : Ronald

PROFILED BY : K Naidoo

TYPE SET BY : KN

SETUP FILE : STANDARD.SET

DIAM :

DATE :

DATE : 16/09/21-30/09/21

DATE : 22/11/2021 08:19

TEXT : ..TPITSBRITZACCESSROAD.TXT

ELEVATION :

X-COORD : 33° 19'28.55"S

Y-COORD : 18° 58'21.14"E

HOLE No: TPR08

Scale
1:10



0.00

Moist, light brown, loose, intact, clayey silty SAND: **Transported.**

0.30

Moist, orange brown mottled beige in places, soft, fissured, silty CLAY: **Residual shale.**

0.80

Light beige brown mottled maroon, highly weathered, fine grained, laminated, highly fractured, very soft rock with pockets of residual clay becoming soft rock with depth, **SHALE.**

1.50

NOTES

- 1) No water seepage.
- 2) No sidewall collapse.
- 3) No Refusal.

CONTRACTOR : Mukona Consulting Engineers INCLINATION :

MACHINE : JCB 3 CX

DRILLED BY : Ronald

PROFILED BY : K Naidoo

TYPE SET BY : KN

SETUP FILE : STANDARD.SET

DIAM :

DATE :

DATE : 16/09/21-30/09/21

DATE : 22/11/2021 08:19

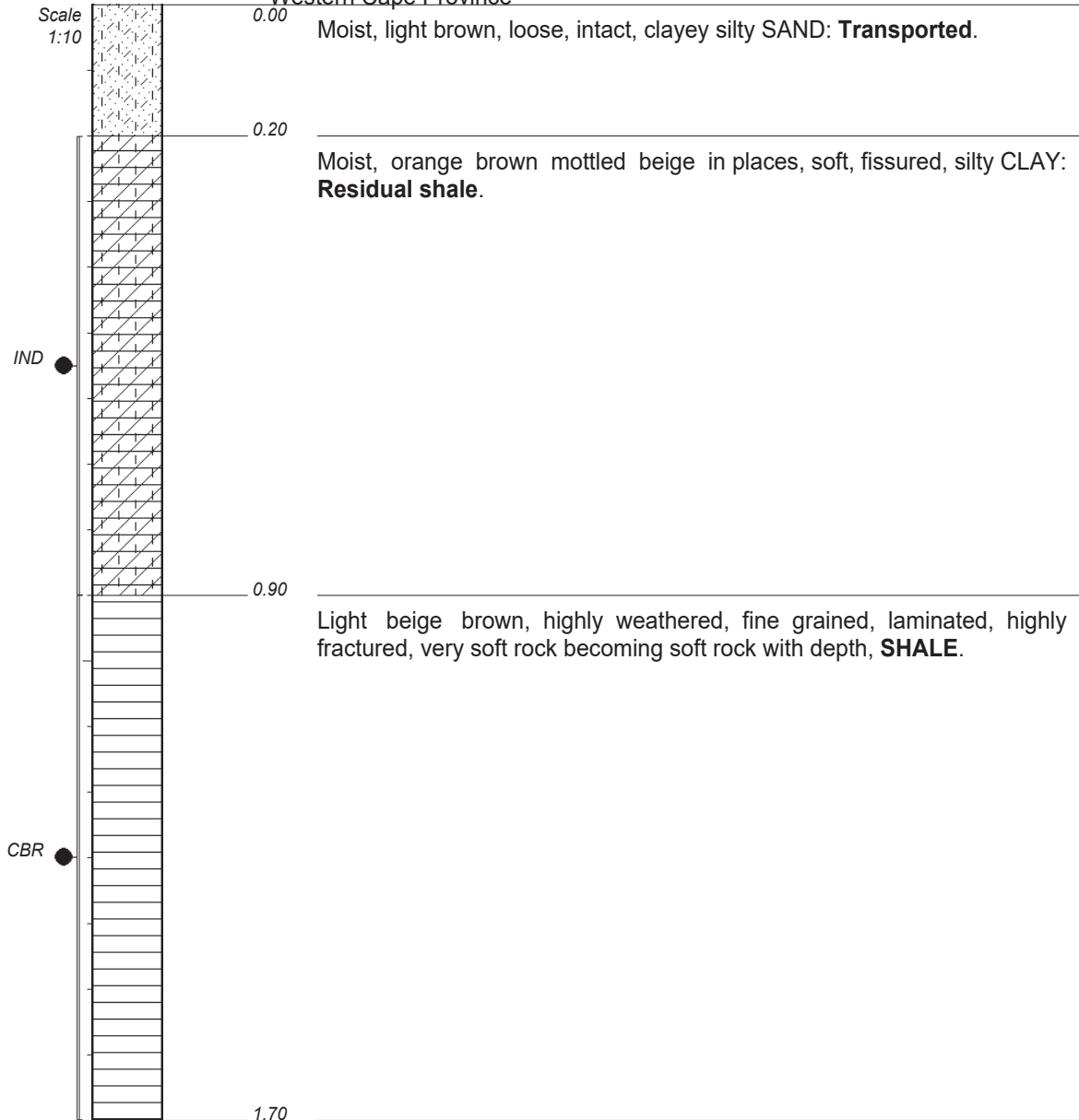
TEXT : ..TPITSBRITZACCESSROAD.TXT

ELEVATION :

X-COORD : 33° 19'29.04"S

Y-COORD : 18° 58'25.00"E

HOLE No: TPR09



NOTES

- 1) No water seepage.
- 2) No sidewall collapse.
- 3) No Refusal.
- 4) IND sample taken 0.20--0.90m.
- 5) CBR sample taken 0.90--1.70m.

CONTRACTOR : Mukona Consulting Engineers INCLINATION :

MACHINE : JCB 3 CX

DRILLED BY : Ronald

PROFIED BY : K Naidoo

TYPE SET BY : KN

SETUP FILE : STANDARD.SET

DIAM :

DATE :

DATE : 16/09/21-30/09/21

DATE : 22/11/2021 08:19

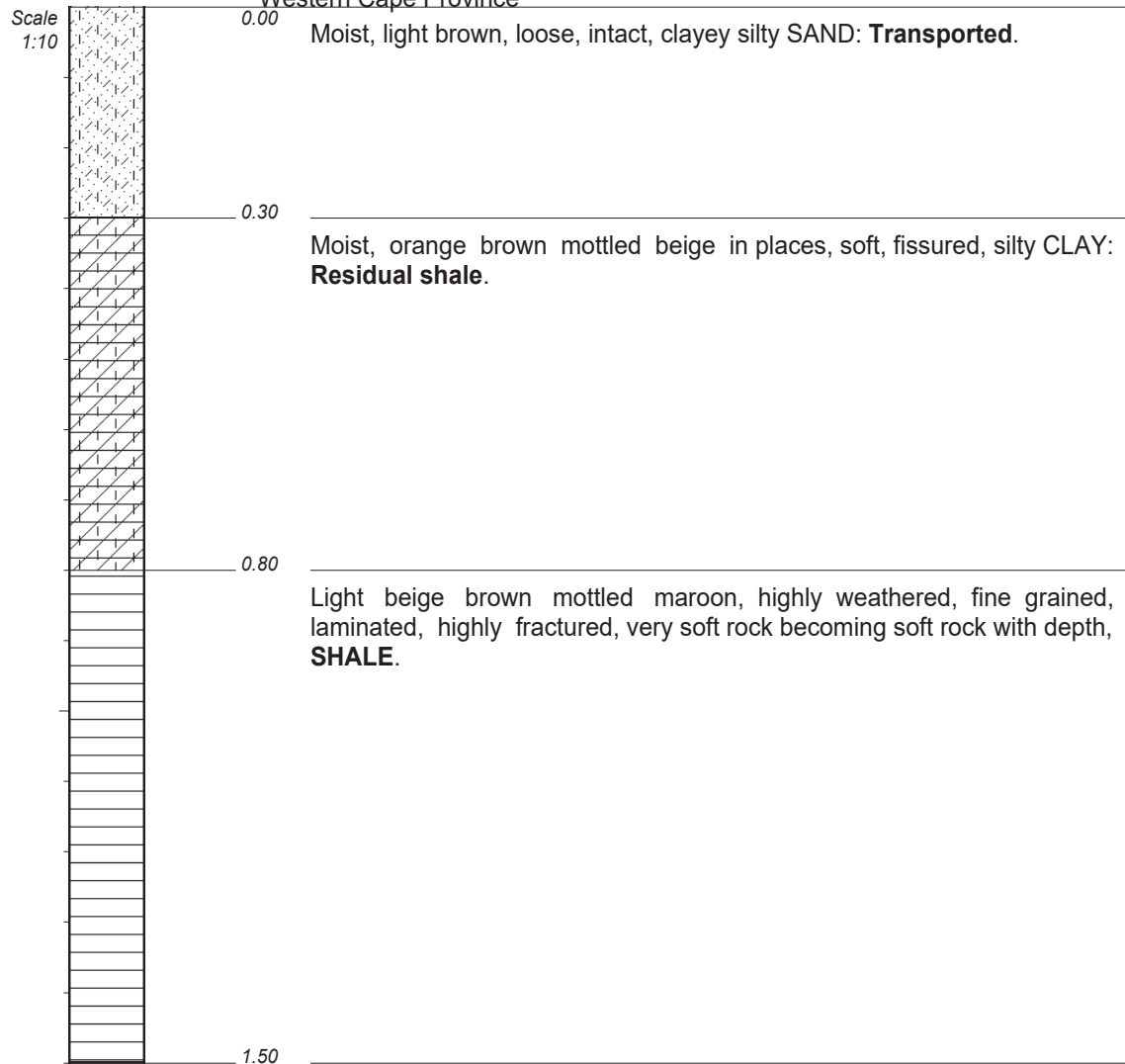
TEXT : ..TPITSBRITZACCESSROAD.TXT

ELEVATION :

X-COORD : 33° 19'29.54"S

Y-COORD : 18° 58'28.89"E

HOLE No: TPR10



NOTES

- 1) No water seepage.
- 2) No sidewall collapse.
- 3) No Refusal.

CONTRACTOR : Mukona Consulting Engineers INCLINATION :

MACHINE : JCB 3 CX

DRILLED BY : Ronald

PROFILED BY : K Naidoo

TYPE SET BY : KN

SETUP FILE : STANDARD.SET

DIAM :

DATE :

DATE : 16/09/21-30/09/21

DATE : 22/11/2021 08:19

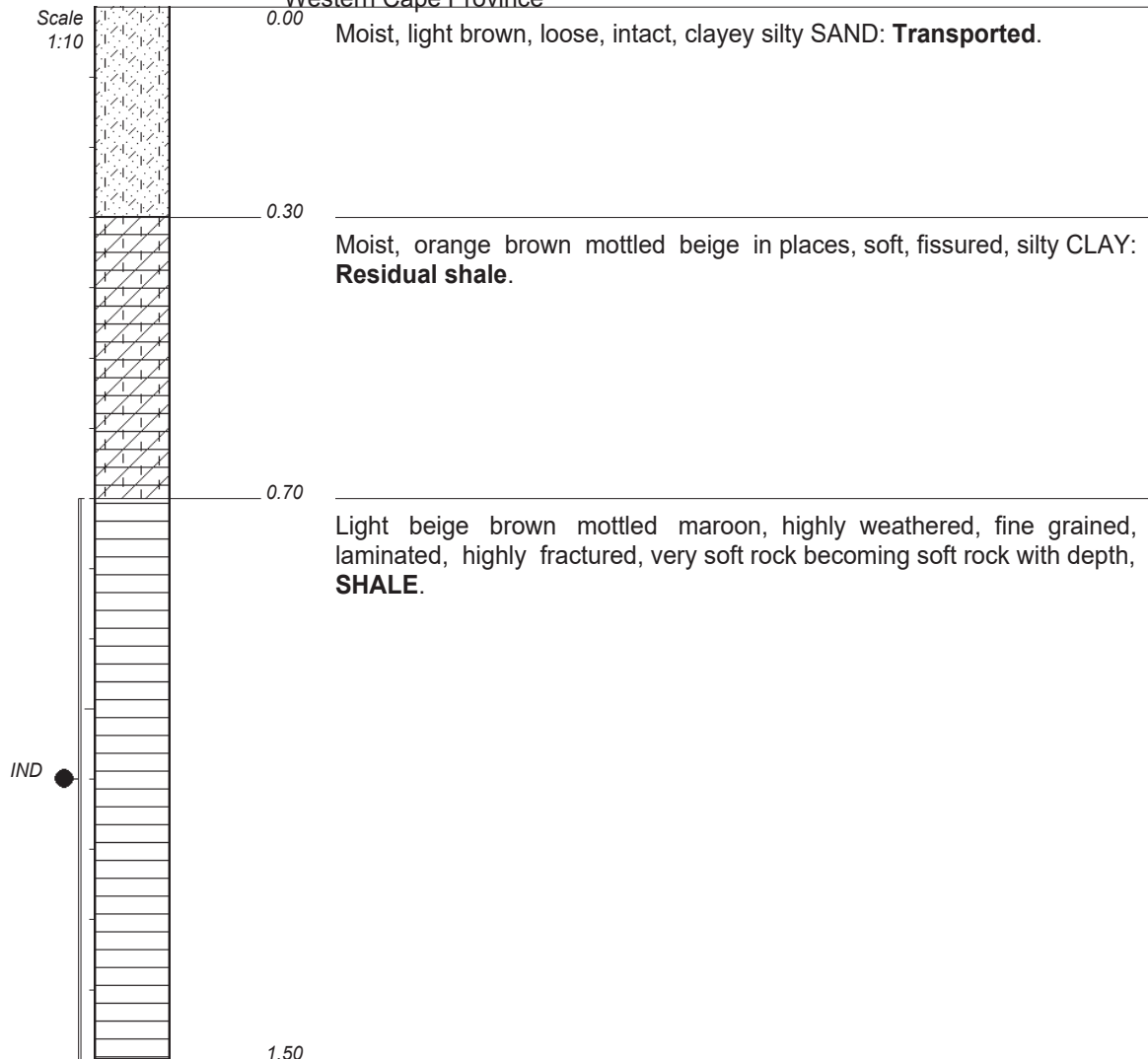
TEXT : ..TPITSBRITZACCESSROAD.TXT

ELEVATION :

X-COORD : 33° 19'30.16"S

Y-COORD : 18° 58'32.84"E

HOLE No: TPR11



NOTES

- 1) No water seepage.
- 2) No sidewall collapse.
- 3) No Refusal.
- 4) IND sample taken 0.70--1.50m.

CONTRACTOR : Mukona Consulting Engineers INCLINATION :

MACHINE : JCB 3 CX

DRILLED BY : Ronald

PROFILED BY : K Naidoo

TYPE SET BY : KN

SETUP FILE : STANDARD.SET

DIAM :

DATE :

DATE : 16/09/21-30/09/21

DATE : 22/11/2021 08:19

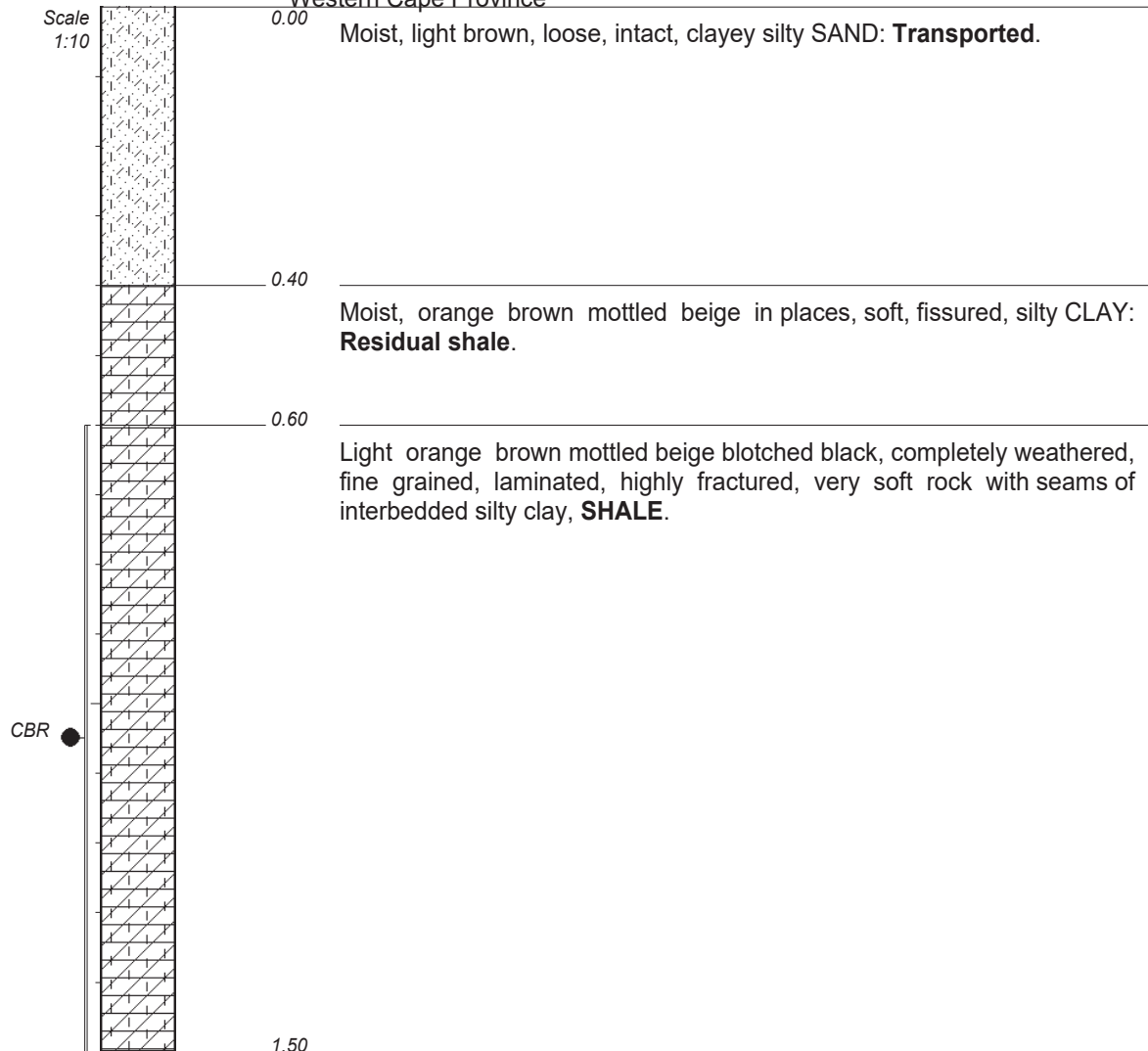
TEXT : ..TPITSBRITZACCESSROAD.TXT

ELEVATION :

X-COORD : 33° 19'30.66"S

Y-COORD : 18° 58'36.70"E

HOLE No: TPR12



NOTES

- 1) No water seepage.
- 2) No sidewall collapse.
- 3) No Refusal.
- 4) CBR sample taken 0.60--1.50m.

CONTRACTOR : Mukona Consulting Engineers INCLINATION :

MACHINE : JCB 3 CX

DRILLED BY : Ronald

PROFILED BY : K Naidoo

TYPE SET BY : KN

SETUP FILE : STANDARD.SET

DIAM :

DATE :

DATE : 16/09/21-30/09/21

DATE : 22/11/2021 08:19

TEXT : ..TPITSBRITZACCESSROAD.TXT

ELEVATION :

X-COORD : 33° 19'31.27"S

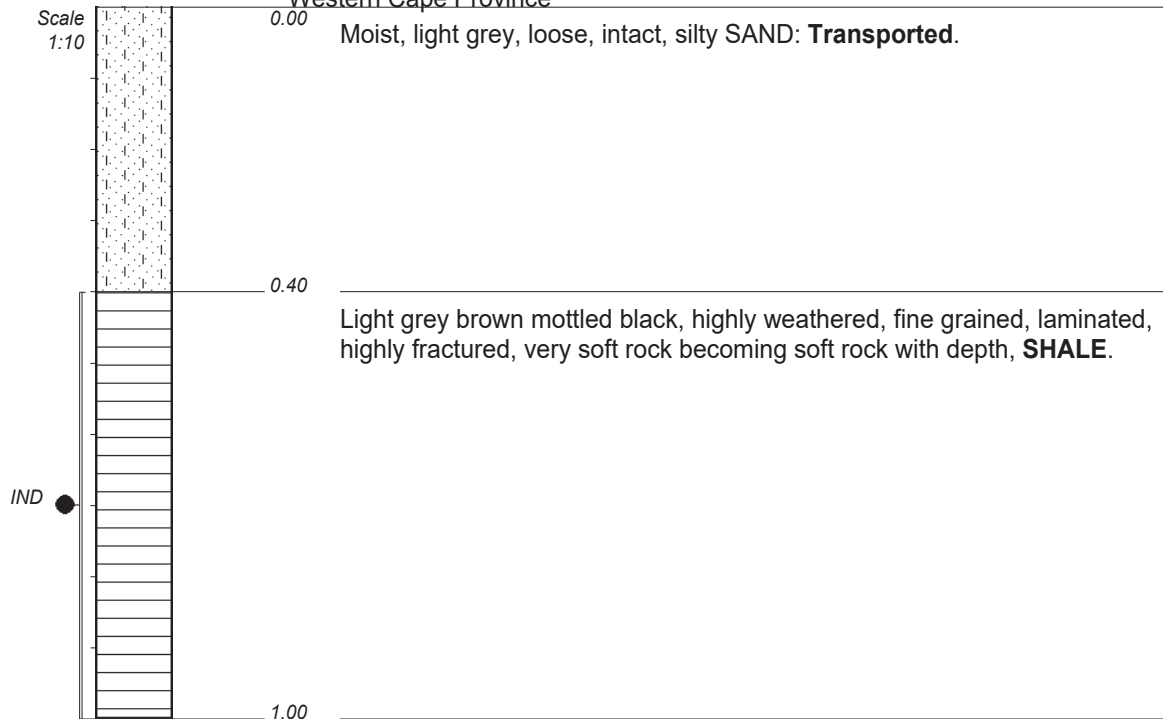
Y-COORD : 18° 58'40.43"E

HOLE No: TPR13

ROADS

PUBLIC ACCESS ROADS

TESTPIT PROFILES



NOTES

- 1) No water seepage.
- 2) No sidewall collapse.
- 3) Refusal at 1.00m.
- 4) IND sample taken 0.40--1.00m.

CONTRACTOR : Mukona Consulting Engineers INCLINATION : Vertical

MACHINE : JCB 3 CX

DRILLED BY : Ronald

PROFIED BY : K Naidoo

TYPE SET BY : KN

SETUP FILE : STANDARD.SET

DIAM :

DATE :

DATE : 16/09/21-30/09/21

DATE : 22/11/2021 08:26

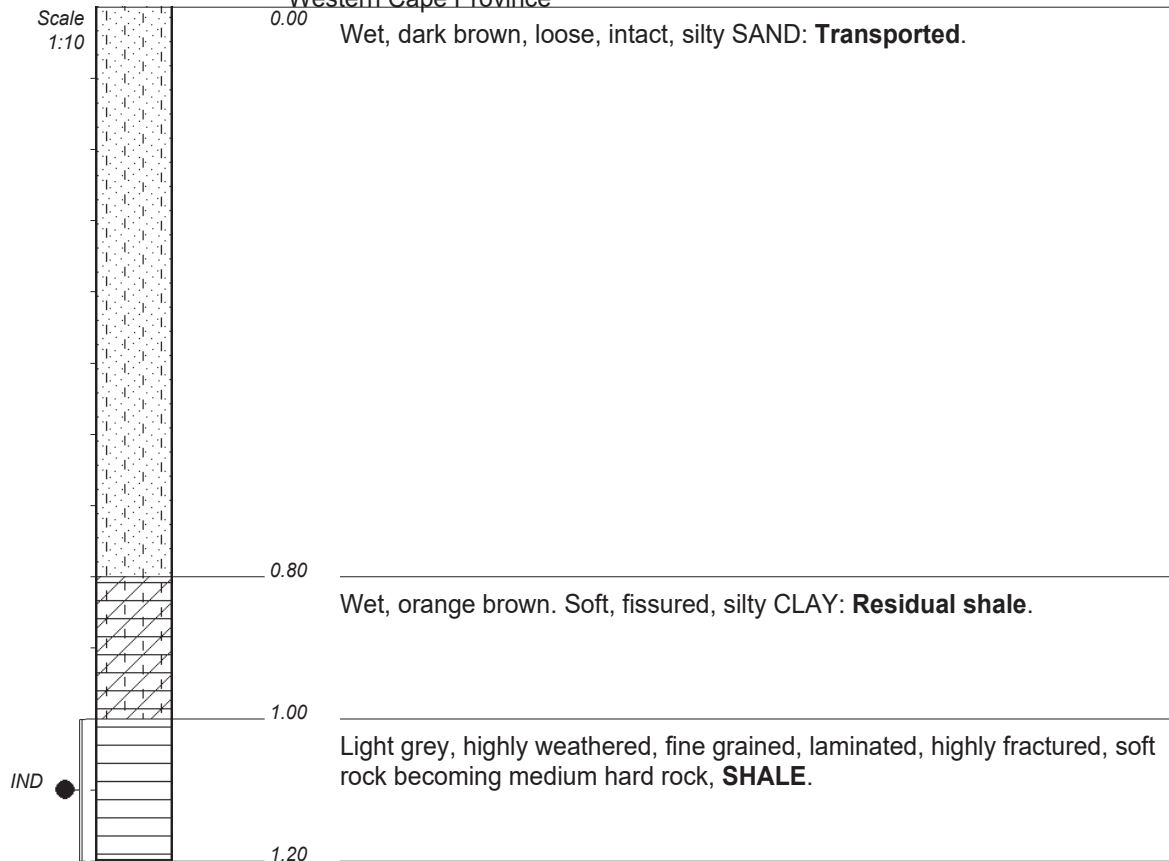
TEXT : ..LDER\MK21614BRVASPAR.TXT

ELEVATION :

X-COORD :

Y-COORD :

HOLE No: TPRA01



NOTES

- 1) No water seepage.
- 2) No sidewall collapse.
- 3) Refusal at 1.20m.
- 4) IND sample taken 1.00--1.20m.

CONTRACTOR : Mukona Consulting Engineers INCLINATION :

MACHINE : JCB 3 CX

DRILLED BY : Ronald

PROFILED BY : K Naidoo

TYPE SET BY : KN

SETUP FILE : STANDARD.SET

DIAM :

DATE :

DATE : 16/09/21-30/09/21

DATE : 22/11/2021 08:26

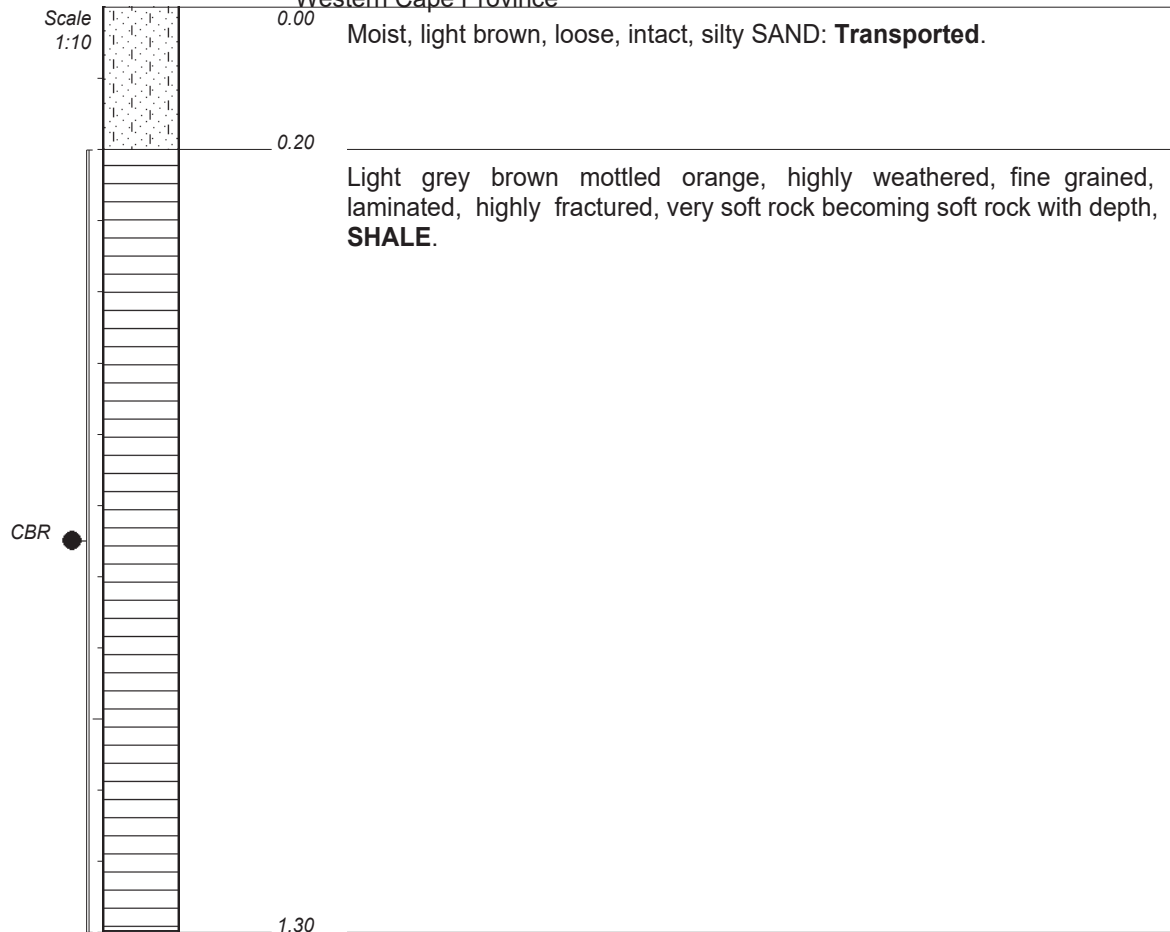
TEXT : ..LDER\MK21614BRVASPAR.TXT

ELEVATION :

X-COORD :

Y-COORD :

HOLE No: TPRA02



NOTES

- 1) No water seepage.
- 2) No sidewall collapse.
- 3) Refusal at 1.30m.
- 4) CBR sample taken 0.20--1.30m.

CONTRACTOR : Mukona Consulting Engineers INCLINATION :

MACHINE : JCB 3 CX

DRILLED BY : Ronald

PROFILED BY : K Naidoo

TYPE SET BY : KN

SETUP FILE : STANDARD.SET

DIAM :

DATE :

DATE : 16/09/21-30/09/21

DATE : 22/11/2021 08:26

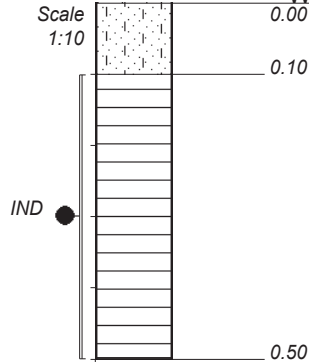
TEXT : ..LDER\MK21614BRVASPAR.TXT

ELEVATION :

X-COORD :

Y-COORD :

HOLE No: TPRA03



Moist, light brown, loose, intact, silty SAND: **Transported.**

Light grey brown mottled orange, highly weathered, fine grained, laminated, highly fractured, very soft rock becoming soft rock with depth, **SHALE.**

NOTES

- 1) No water seepage.
- 2) No sidewall collapse.
- 3) Refusal at 0.50m.
- 4) IND sample taken 0.10--0.50m.

CONTRACTOR : Mukona Consulting Engineers INCLINATION :

MACHINE : JCB 3 CX

DRILLED BY : Ronald

PROFILED BY : K Naidoo

TYPE SET BY : KN

SETUP FILE : STANDARD.SET

DIAM :

DATE :

DATE : 16/09/21-30/09/21

DATE : 22/11/2021 08:26

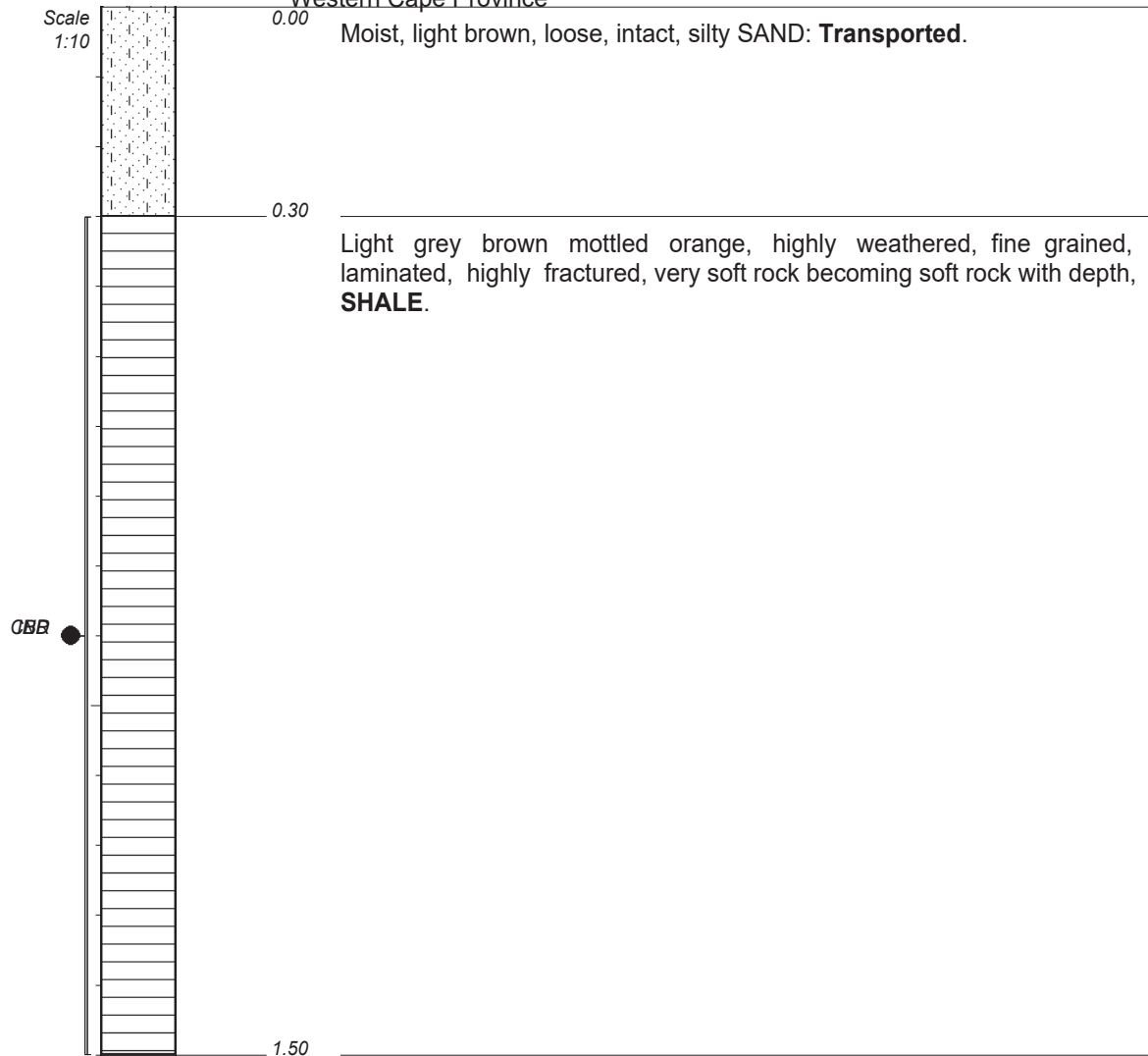
TEXT : ..LDER\MK21614BRVASPAR.TXT

ELEVATION :

X-COORD : 33° 20'49.75"S

Y-COORD : 18° 56'32.69"E

HOLE No: TPRA04



NOTES

- 1) No water seepage.
- 2) No sidewall collapse.
- 3) No Refusal.
- 4) IND sample taken 0.30--1.50m.
- 5) CBR sample taken 0.30--1.50m.

CONTRACTOR : Mukona Consulting Engineers INCLINATION :

MACHINE : JCB 3 CX

DRILLED BY : Ronald

PROFILED BY : K Naidoo

TYPE SET BY : KN

SETUP FILE : STANDARD.SET

DIAM :

DATE :

DATE : 16/09/21-30/09/21

DATE : 22/11/2021 08:26

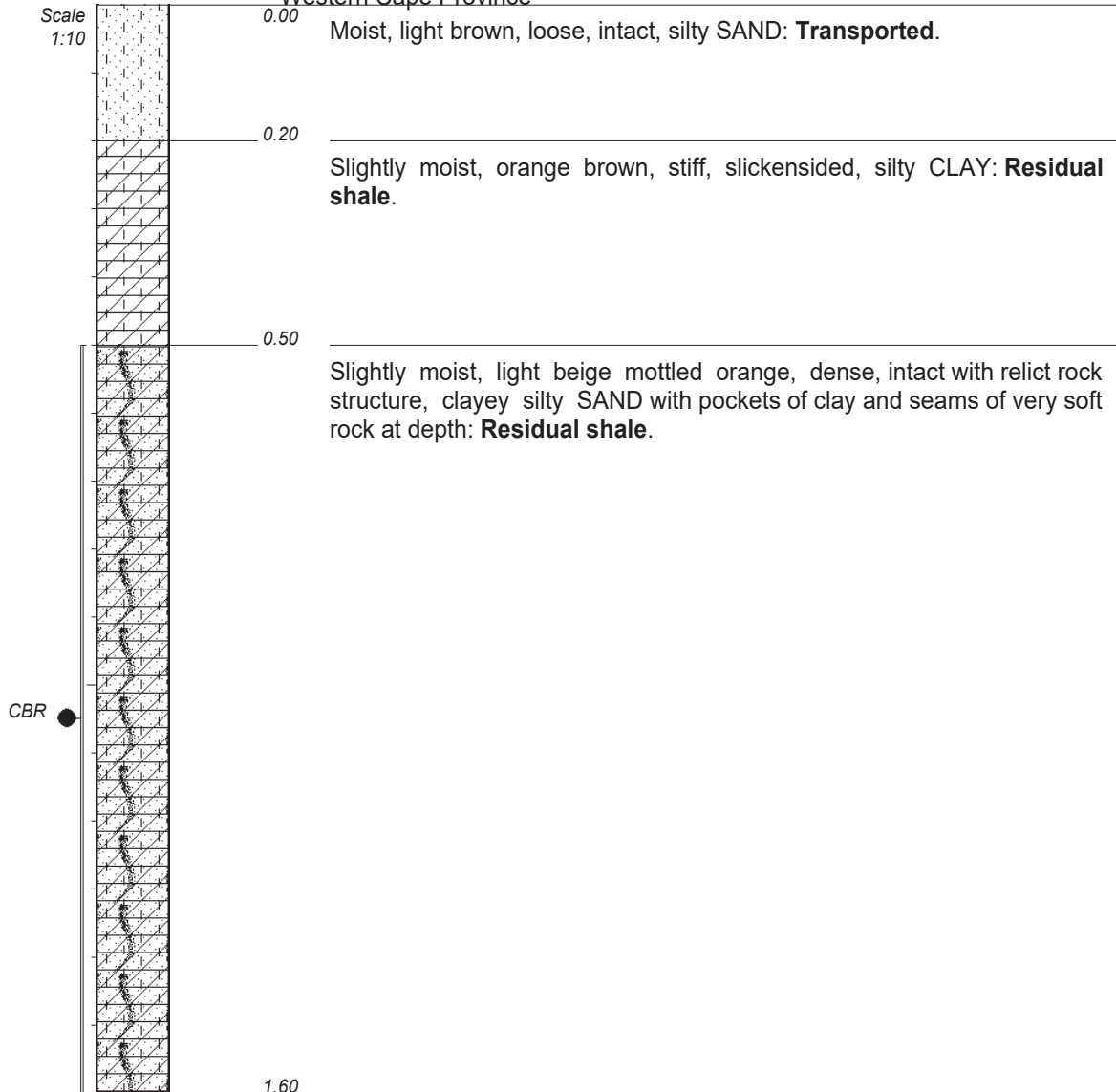
TEXT : ..LDER\MK21614BRVASPAR.TXT

ELEVATION :

X-COORD : 33° 20'34.31"S

Y-COORD : 18° 56'26.52"E

HOLE No: TPRA05



NOTES

- 1) No water seepage.
- 2) No sidewall collapse.
- 3) No Refusal.
- 4) CBR sample taken 0.50--1.60m.

CONTRACTOR : Mukona Consulting Engineers INCLINATION :

MACHINE : JCB 3 CX

DRILLED BY : Ronald

PROFIED BY : K Naidoo

TYPE SET BY : KN

SETUP FILE : STANDARD.SET

DIAM :

DATE :

DATE : 16/09/21-30/09/21

DATE : 22/11/2021 08:26

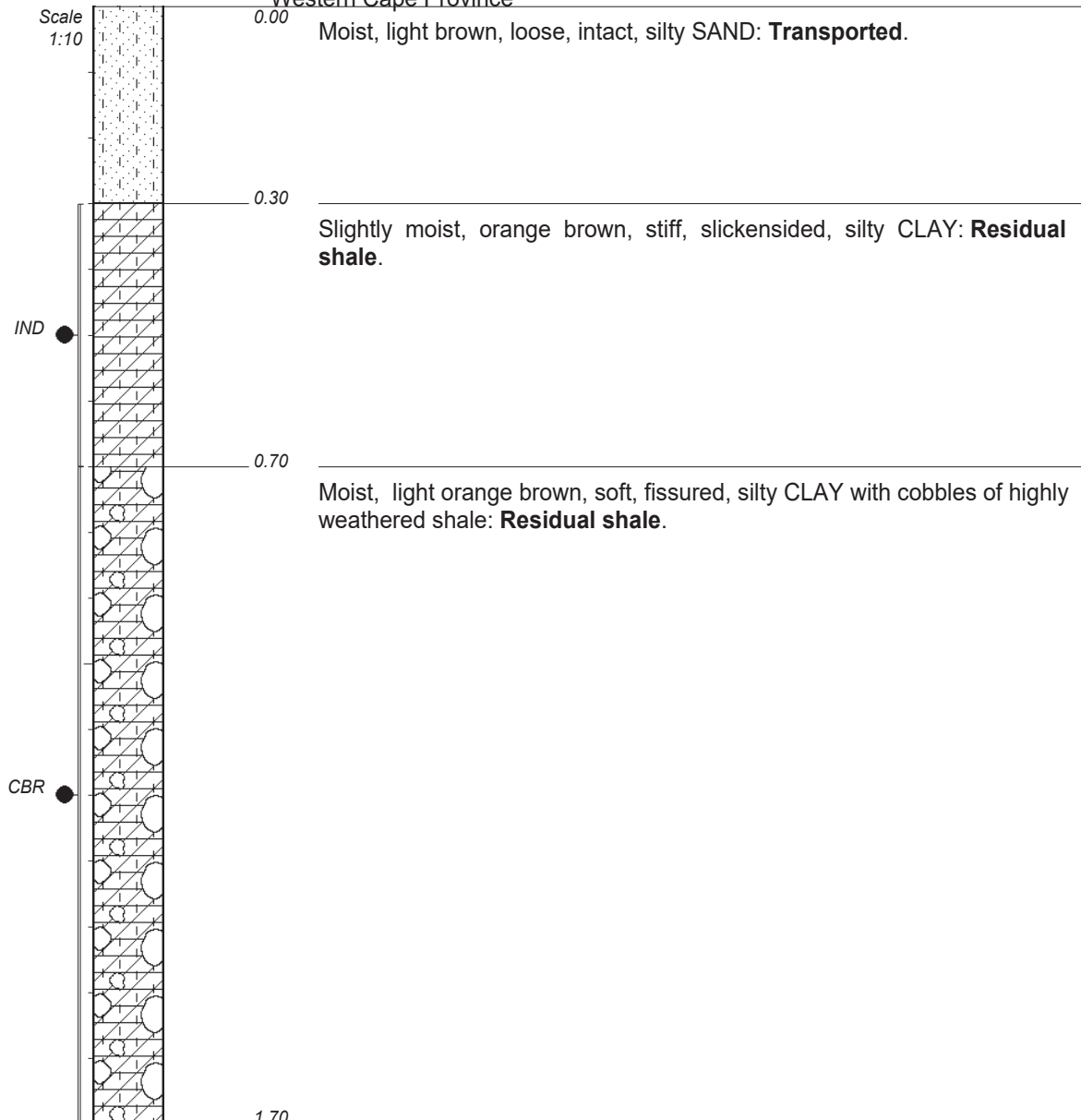
TEXT : ..LDER\MK21614BRVASPAR.TXT

ELEVATION :

X-COORD : 33° 20' 24.49"S

Y-COORD : 18° 56' 10.92"E

HOLE No: TPRA06



NOTES

- 1) No water seepage.
- 2) No sidewall collapse.
- 3) No Refusal.
- 4) IND sample taken 0.30--0.70m.
- 5) CBR sample taken 0.70--1.70m.

CONTRACTOR : Mukona Consulting Engineers INCLINATION :

MACHINE : JCB 3 CX

DRILLED BY : Ronald

PROFIED BY : K Naidoo

TYPE SET BY : KN

SETUP FILE : STANDARD.SET

DIAM :

DATE :

DATE : 16/09/21-30/09/21

DATE : 22/11/2021 08:26

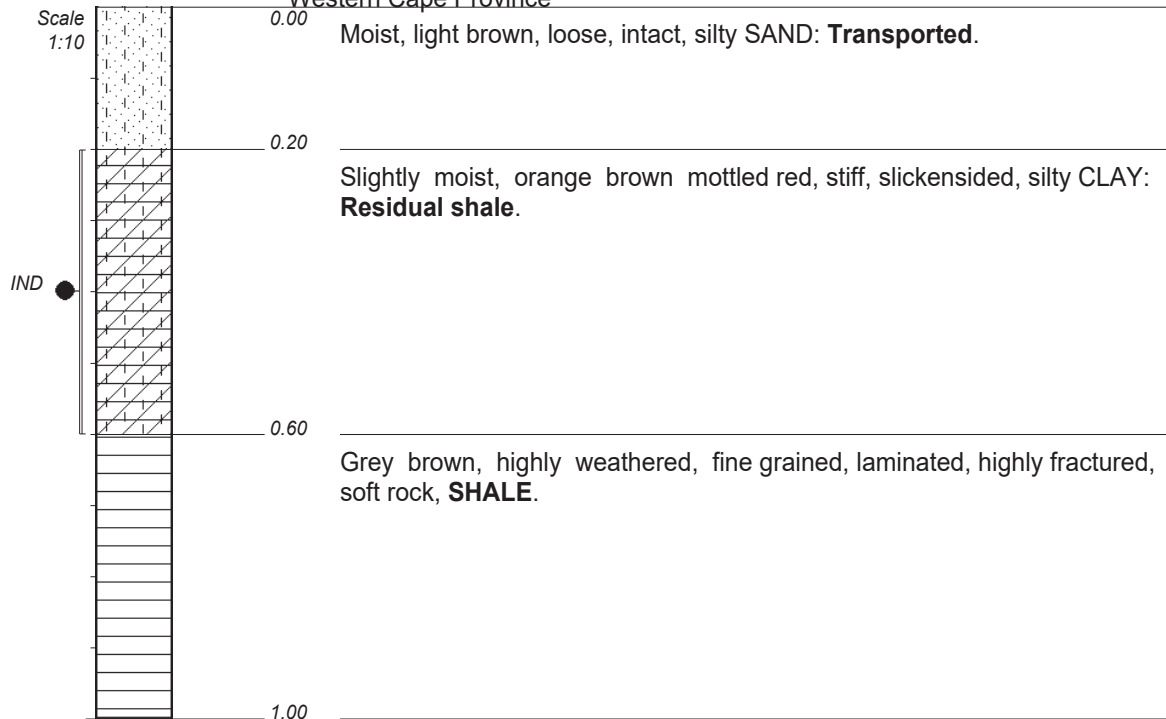
TEXT : ..LDER\MK21614BRVASPAR.TXT

ELEVATION :

X-COORD : 33° 20' 8.88"S

Y-COORD : 18° 56' 5.86"E

HOLE No: TPRA07



NOTES

- 1) No water seepage.
- 2) No sidewall collapse.
- 3) Refusal at 1.00m.
- 4) IND sample taken 0.20--0.60m.

CONTRACTOR : Mukona Consulting Engineers INCLINATION :

MACHINE : JCB 3 CX

DRILLED BY : Ronald

PROFIED BY : K Naidoo

TYPE SET BY : KN

SETUP FILE : STANDARD.SET

DIAM :

DATE :

DATE : 16/09/21-30/09/21

DATE : 22/11/2021 08:26

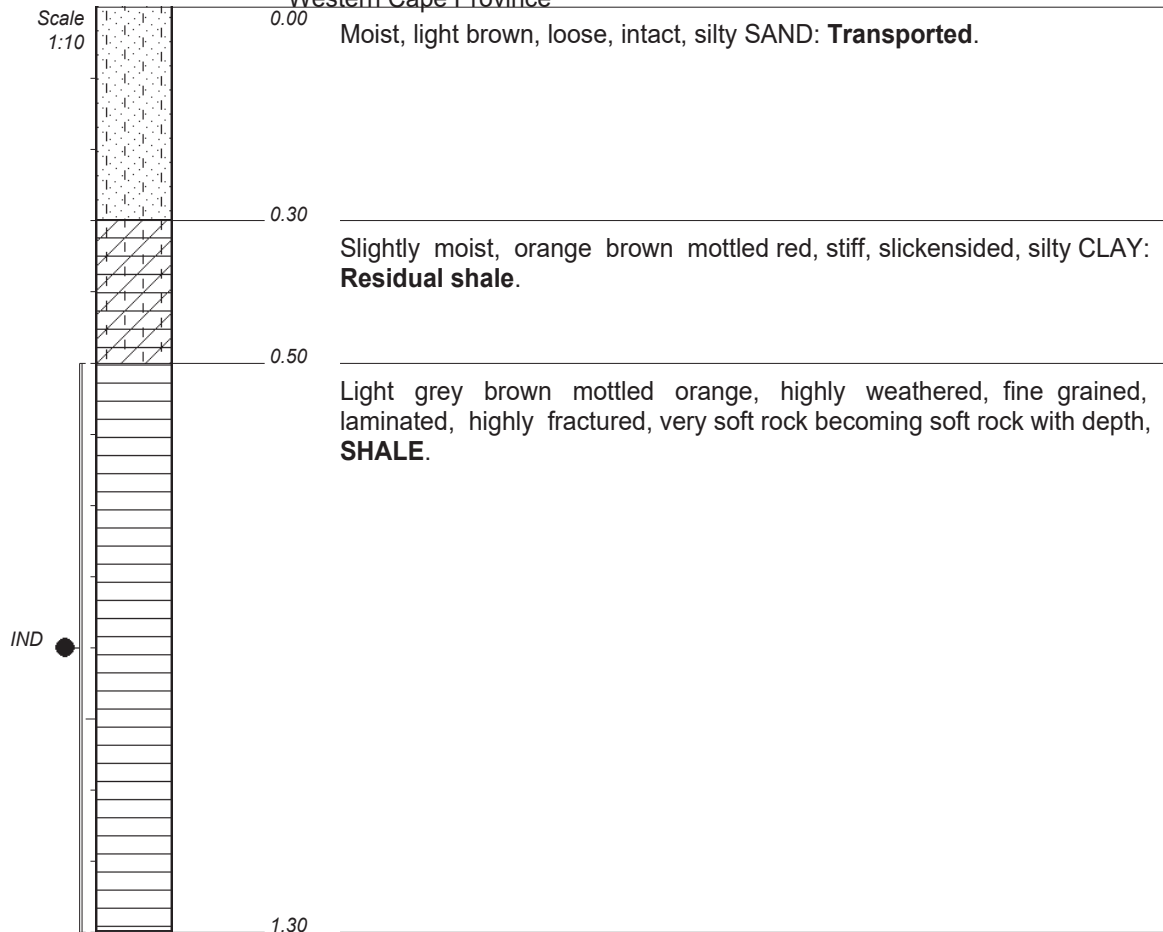
TEXT : ..LDER\MK21614BRVASPAR.TXT

ELEVATION :

X-COORD : 33° 19'53.57"S

Y-COORD : 18° 56'13.10"E

HOLE No: TPRA08



NOTES

- 1) No water seepage.
- 2) No sidewall collapse.
- 3) Refusal at 1.30m.
- 4) IND sample taken 0.50--1.30m.

CONTRACTOR : Mukona Consulting Engineers INCLINATION :

MACHINE : JCB 3 CX

DRILLED BY : Ronald

PROFILED BY : K Naidoo

TYPE SET BY : KN

SETUP FILE : STANDARD.SET

DIAM :

DATE :

DATE : 16/09/21-30/09/21

DATE : 22/11/2021 08:26

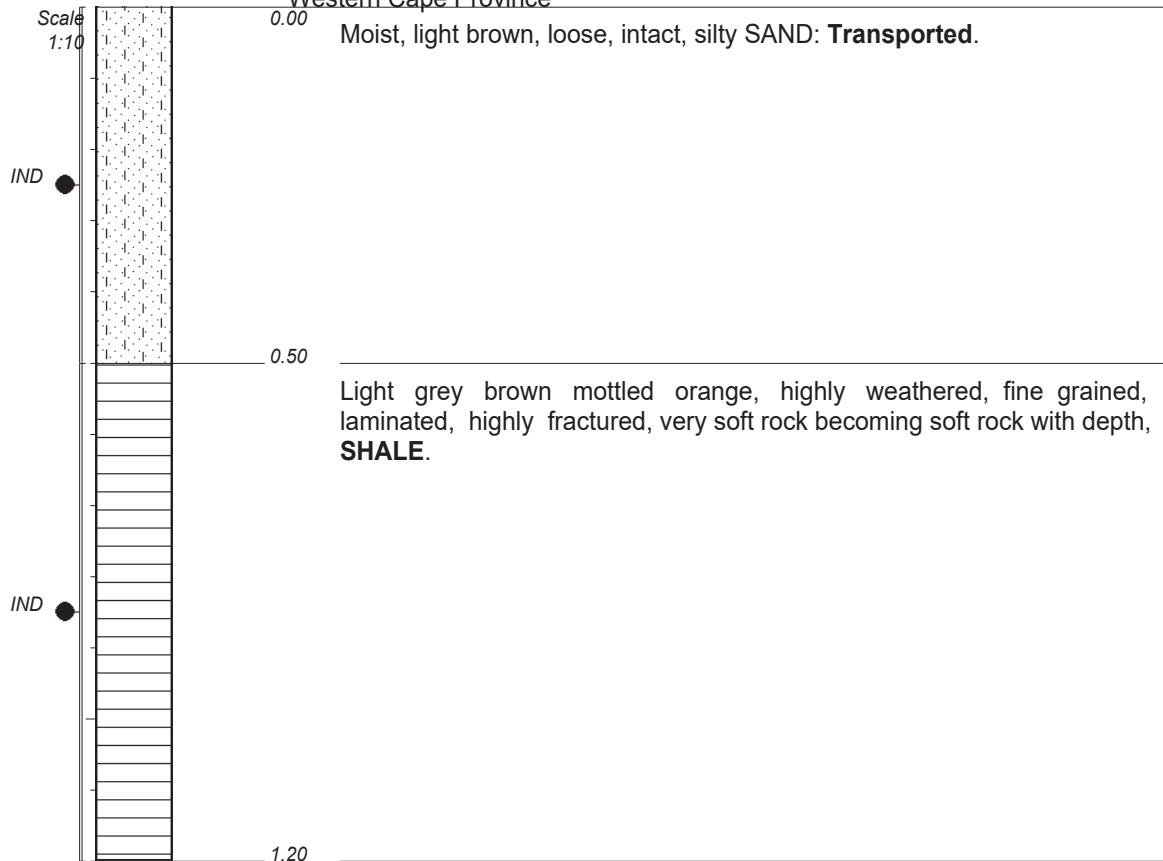
TEXT : ..LDER\MK21614BRVASPAR.TXT

ELEVATION :

X-COORD : 33° 19'38.76"S

Y-COORD : 18° 56'22.80"E

HOLE No: TPRA09



NOTES

- 1) No water seepage.
- 2) No sidewall collapse.
- 3) Refusal at 1.20m.
- 4) IND sample taken 0.00--0.50m.
- 5) IND sample taken 0.50--1.20m.

CONTRACTOR : Mukona Consulting Engineers INCLINATION :

MACHINE : JCB 3 CX

DRILLED BY : Ronald

PROFIED BY : K Naidoo

TYPE SET BY : KN

SETUP FILE : STANDARD.SET

DIAM :

DATE :

DATE : 16/09/21-30/09/21

DATE : 22/11/2021 08:26

TEXT : ..LDER\MK21614BRVASPAR.TXT

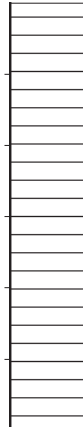
ELEVATION :

X-COORD : 33° 19'27.94"S

Y-COORD : 18° 56'37.18"E

HOLE No: TPRA10

Scale
1:10



0.00

Light grey mottled brown, highly weathered, fine grained, laminated, highly fractured, soft rock becoming medium hard rock, **SHALE**.

0.60

NOTES

- 1) No water seepage.
- 2) No sidewall collapse.
- 3) Refusal at 0.60m.

CONTRACTOR : Mukona Consulting Engineers

MACHINE : JCB 3 CX

DRILLED BY : Ronald

PROFILED BY : K Naidoo

TYPE SET BY : KN

SETUP FILE : STANDARD.SET

INCLINATION :

DIAM :

DATE :

DATE : 16/09/21-30/09/21

DATE : 22/11/2021 08:26

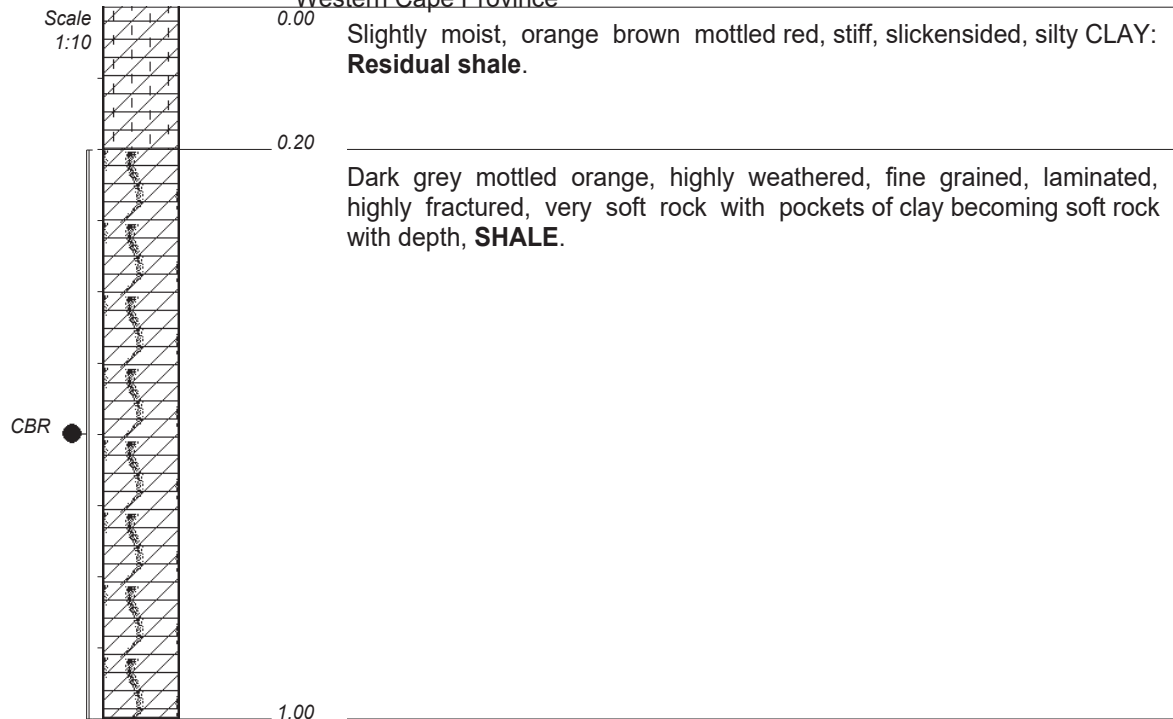
TEXT : ..LDER\MK21614BRVASPAR.TXT

ELEVATION :

X-COORD : 33° 19'26.05"S

Y-COORD : 18° 56'57.53"E

HOLE No: TPRA11



NOTES

- 1) No water seepage.
- 2) No sidewall collapse.
- 3) Refusal at 1.00m.
- 4) CBR sample taken 0.20--1.00m.

CONTRACTOR : Mukona Consulting Engineers INCLINATION :

MACHINE : JCB 3 CX

DRILLED BY : Ronald

PROFILED BY : K Naidoo

TYPE SET BY : KN

SETUP FILE : STANDARD.SET

DIAM :

DATE :

DATE : 16/09/21-30/09/21

DATE : 22/11/2021 08:26

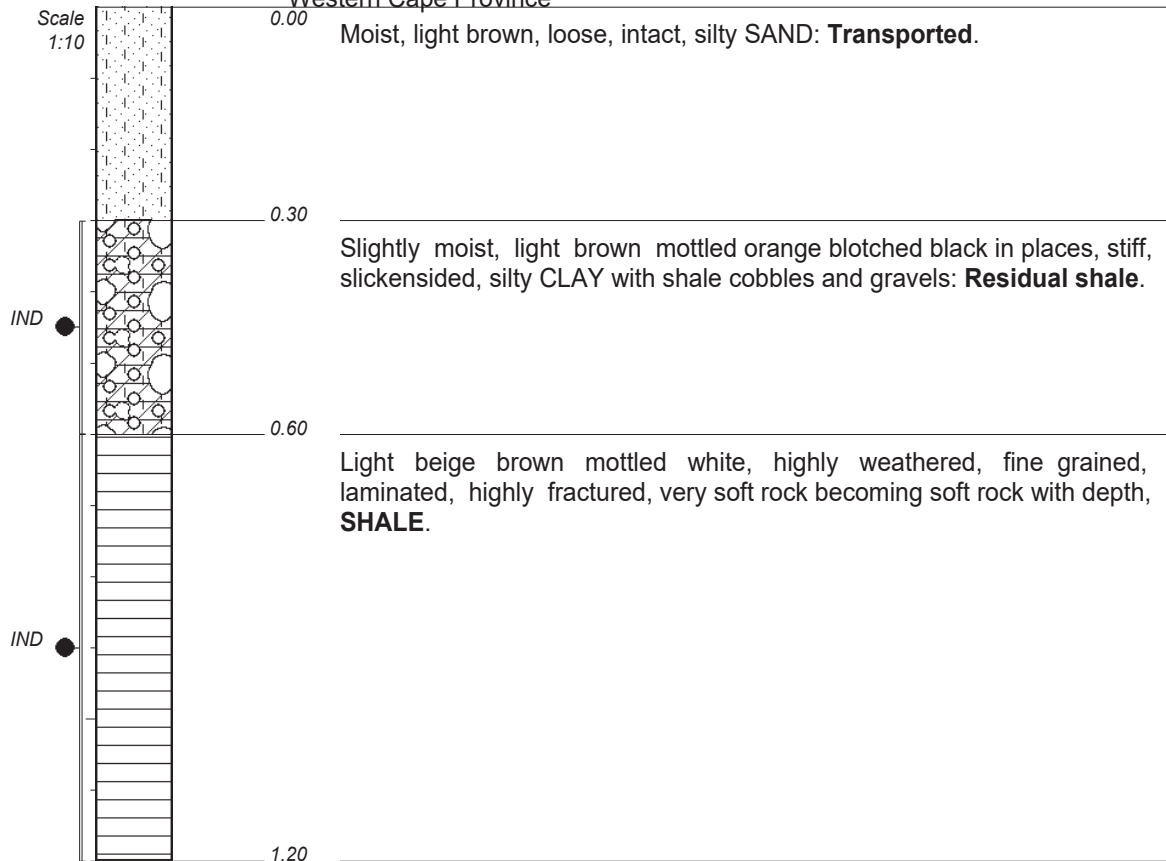
TEXT : ..LDER\MK21614BRVASPAR.TXT

ELEVATION :

X-COORD : 33° 19'32.91"S

Y-COORD : 18° 57'15.07"E

HOLE No: TPRA12



NOTES

- 1) No water seepage.
- 2) No sidewall collapse.
- 3) Refusal at 1.20m.
- 4) IND sample taken 0.30--0.60m.
- 5) IND sample taken 0.60--1.20m.

CONTRACTOR : Mukona Consulting Engineers INCLINATION :

MACHINE : JCB 3 CX

DRILLED BY : Ronald

PROFIED BY : K Naidoo

TYPE SET BY : KN

SETUP FILE : STANDARD.SET

DIAM :

DATE :

DATE : 16/09/21-30/09/21

DATE : 22/11/2021 08:26

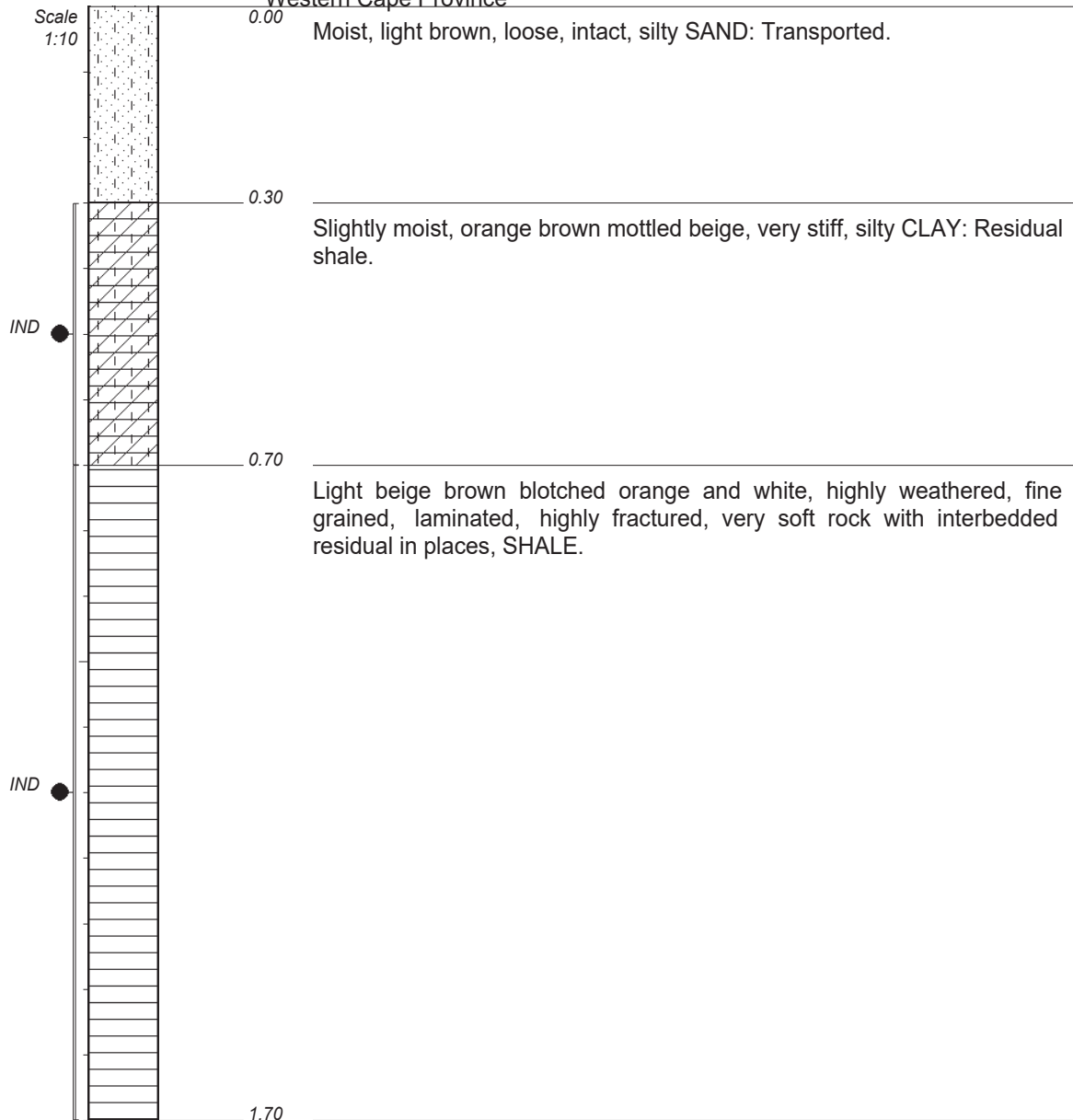
TEXT : ..LDER\MK21614BRVASPAR.TXT

ELEVATION :

X-COORD : 33° 19'27.94"S

Y-COORD : 18° 57'33.76"E

HOLE No: TPRA13



NOTES

- 1) No water seepage.
- 2) No sidewall collapse.
- 3) Refusal at 1.20m.
- 4) IND sample taken 0.30--0.70m.
- 5) IND sample taken 0.70--1.70m.

CONTRACTOR : Mukona Consulting Engineers INCLINATION :

MACHINE : JCB 3 CX

DRILLED BY : Ronald

PROFIED BY : K Naidoo

TYPE SET BY : KN

SETUP FILE : STANDARD.SET

DIAM :

DATE :

DATE : 16/09/21-30/09/21

DATE : 22/11/2021 08:26

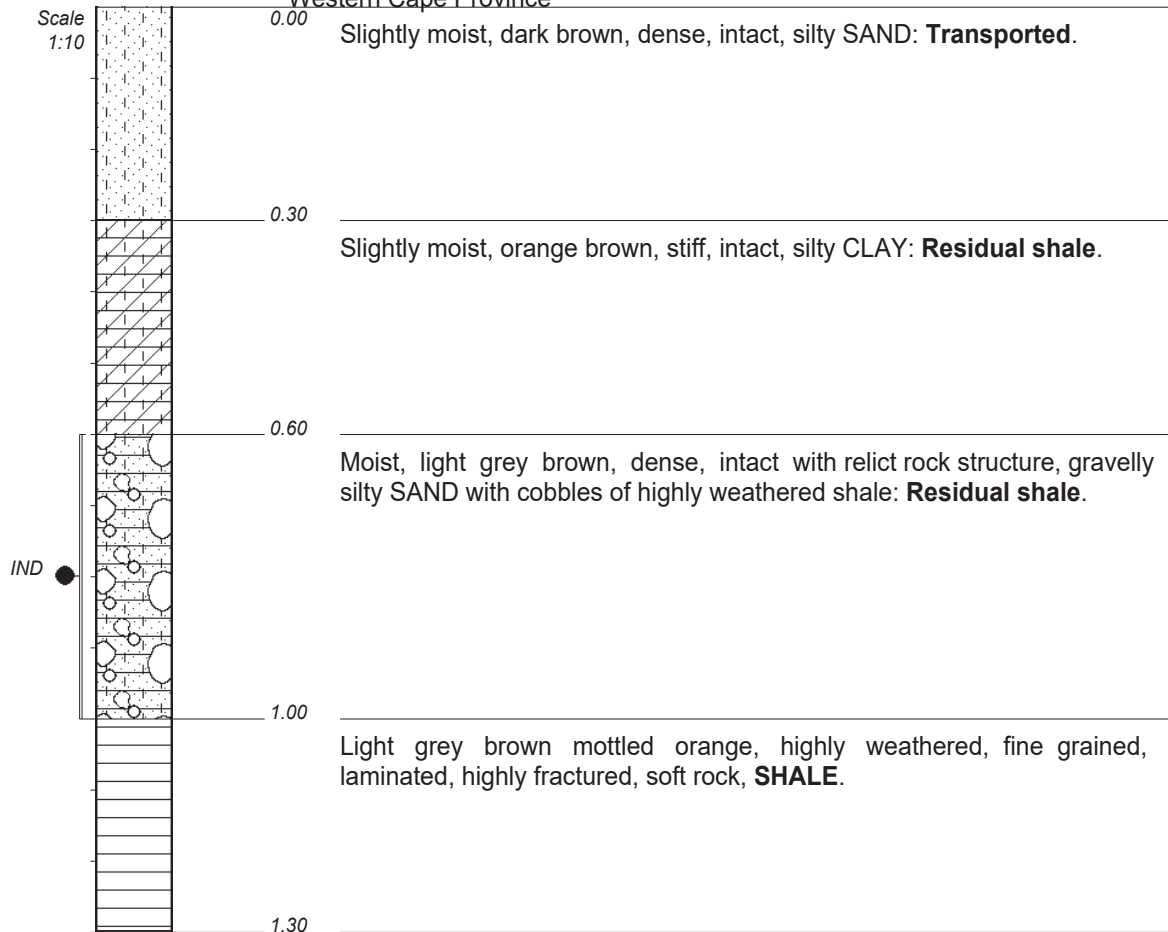
TEXT : ..LDER\MK21614BRVASPAR.TXT

ELEVATION :

X-COORD : 33° 19'24.31"S

Y-COORD : 18° 57'50.20"E

HOLE No: TPRA14



NOTES

- 1) No water seepage.
- 2) No sidewall collapse.
- 3) Refusal at 1.30m.
- 4) IND sample taken 0.60--1.00m.

CONTRACTOR : Mukona Consulting Engineers INCLINATION :

MACHINE : JCB 3 CX

DRILLED BY : Ronald

PROFIED BY : K Naidoo

TYPE SET BY : KN

SETUP FILE : STANDARD.SET

DIAM :

DATE :

DATE : 16/09/21-30/09/21

DATE : 22/11/2021 08:26

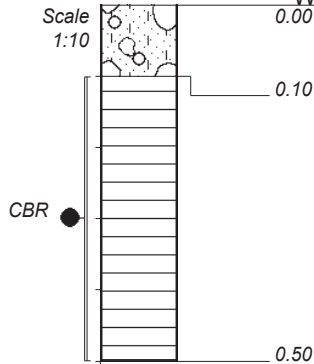
TEXT : ..LDER\MK21614BRVASPAR.TXT

ELEVATION :

X-COORD : 33° 19'37.48"S

Y-COORD : 18° 56'21.54"E

HOLE No: TPRA15



Slightly moist, grey brown, dense, intact, silty gravelly SAND with cobbles:
Transported.

Light beige brown mottled white stained black on joints, highly weathered,
fine grained, laminated, soft rock, **SHALE.**

NOTES

- 1) No water seepage.
- 2) No sidewall collapse.
- 3) Refusal at 0.50m.
- 4) CBR sample taken 0.10--0.50m.

CONTRACTOR : Mukona Consulting Engineers INCLINATION :

MACHINE : JCB 3 CX

DRILLED BY : Ronald

PROFILED BY : K Naidoo

TYPE SET BY : KN

SETUP FILE : STANDARD.SET

DIAM :

DATE :

DATE : 16/09/21-30/09/21

DATE : 22/11/2021 08:26

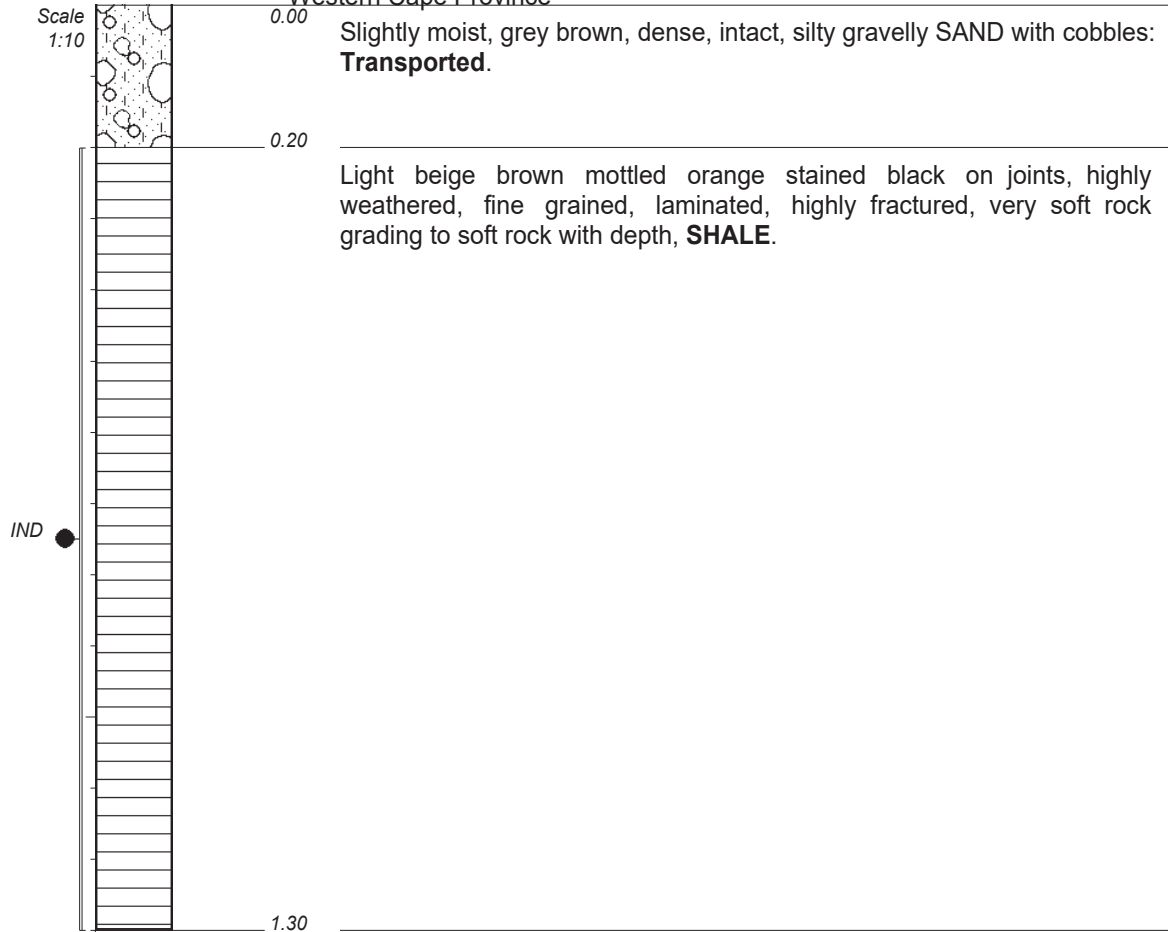
TEXT : ..LDER\MK21614BRVASPAR.TXT

ELEVATION :

X-COORD : 33° 19'37.29"S

Y-COORD : 18° 56'2.01"E

HOLE No: TPRA16



NOTES

- 1) No water seepage.
- 2) No sidewall collapse.
- 3) Refusal at 1.30m.
- 4) IND sample taken 0.20--1.30m.

CONTRACTOR : Mukona Consulting Engineers INCLINATION :

MACHINE : JCB 3 CX

DRILLED BY : Ronald

PROFILED BY : K Naidoo

TYPE SET BY : KN

SETUP FILE : STANDARD.SET

DIAM :

DATE :

DATE : 16/09/21-30/09/21

DATE : 22/11/2021 08:26

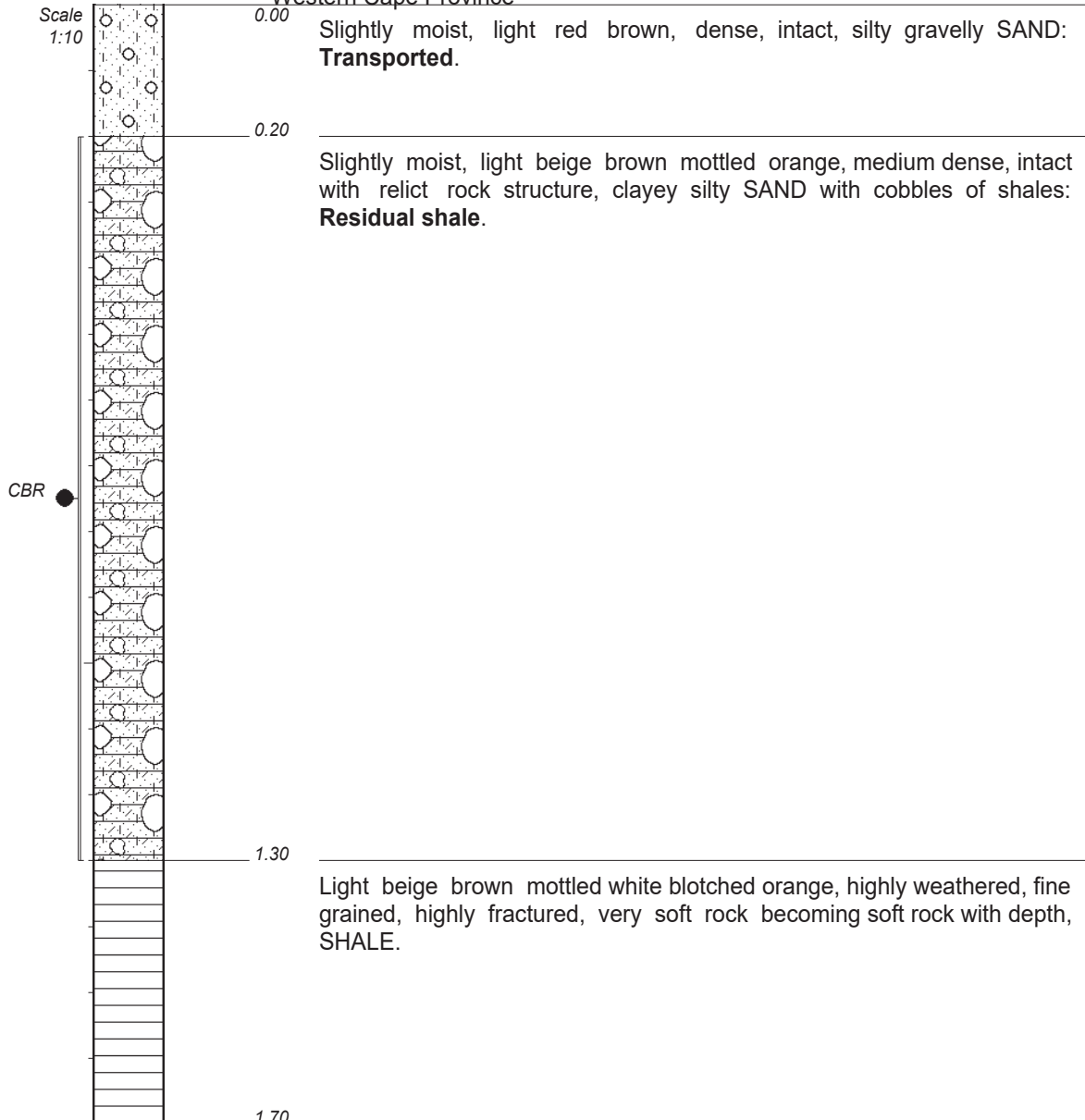
TEXT : ..LDER\MK21614BRVASPAR.TXT

ELEVATION :

X-COORD : 33° 19'37.49"S

Y-COORD : 18° 55'42.59"E

HOLE No: TPRA17



NOTES

- 1) No water seepage.
- 2) No sidewall collapse.
- 3) No refusal.
- 4) CBR sample taken 0.20--1.30m.

CONTRACTOR : Mukona Consulting Engineers INCLINATION :

MACHINE : JCB 3 CX

DRILLED BY : Ronald

PROFIED BY : K Naidoo

TYPE SET BY : KN

SETUP FILE : STANDARD.SET

DIAM :

DATE :

DATE : 16/09/21-30/09/21

DATE : 22/11/2021 08:26

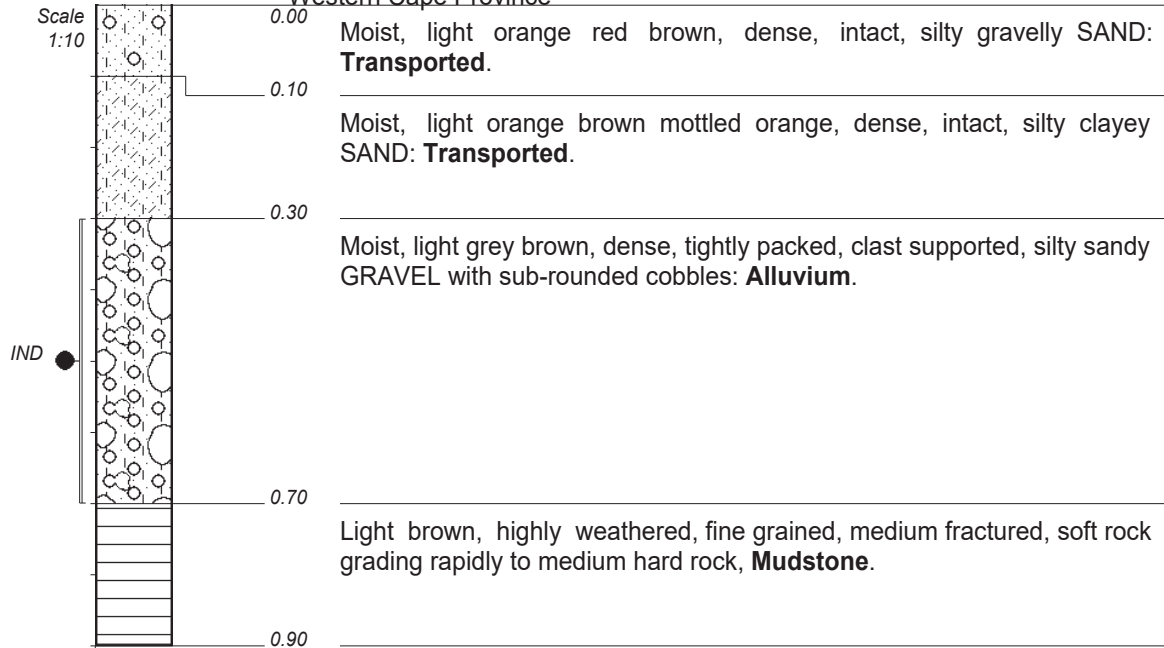
TEXT : ..LDER\MK21614BRVASPAR.TXT

ELEVATION :

X-COORD : 33° 19'36.48"S

Y-COORD : 18° 55'23.18"E

HOLE No: TPRA18



NOTES

- 1) No water seepage.
- 2) No sidewall collapse.
- 3) Refusal at 0.90m.
- 4) IND sample taken 0.30--0.70m.

CONTRACTOR : Mukona Consulting Engineers INCLINATION :

MACHINE : JCB 3 CX

DRILLED BY : Ronald

PROFIED BY : K Naidoo

TYPE SET BY : KN

SETUP FILE : STANDARD.SET

DIAM :

DATE :

DATE : 16/09/21-30/09/21

DATE : 22/11/2021 08:26

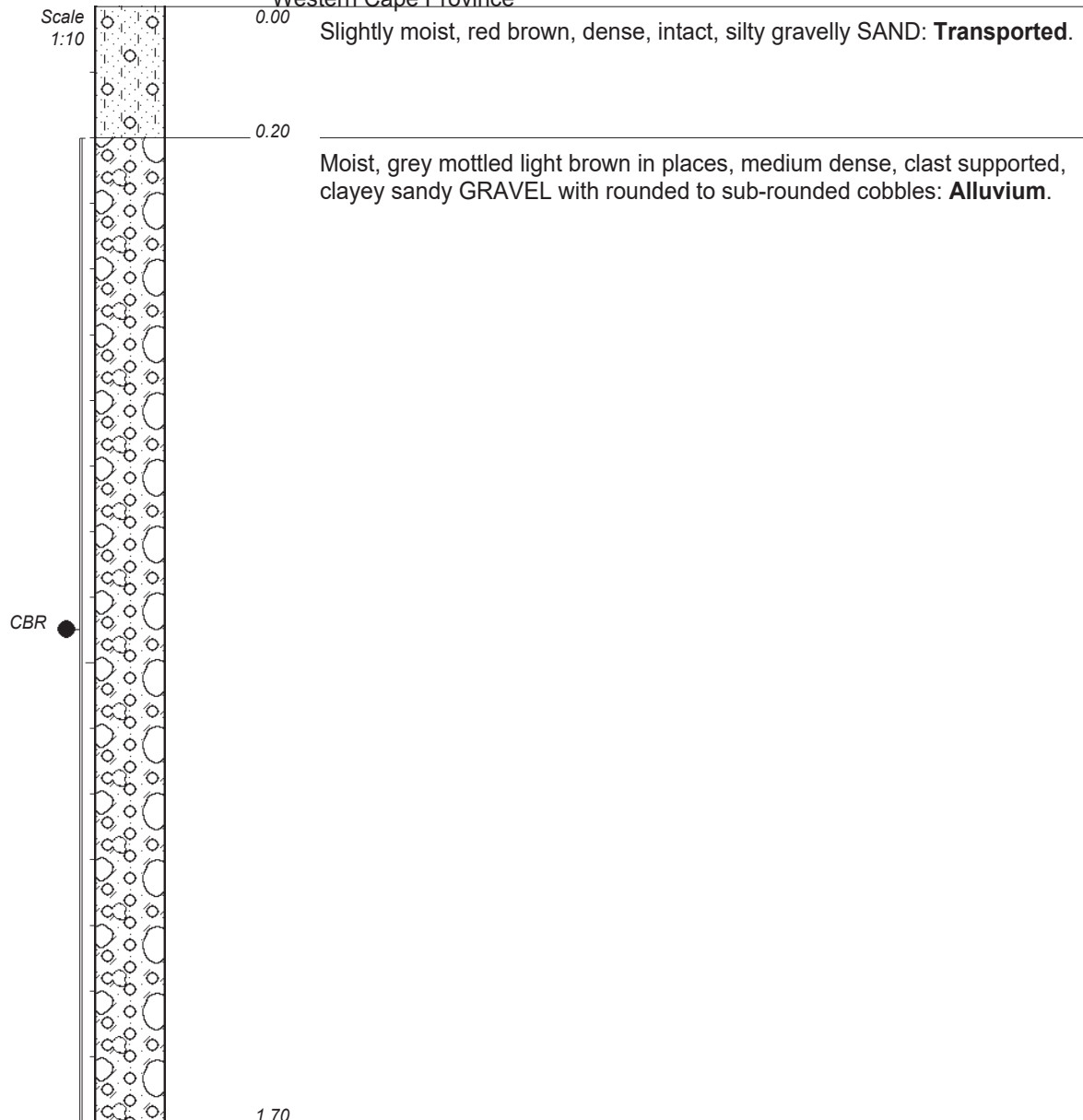
TEXT : ..LDER\MK21614BRVASPAR.TXT

ELEVATION :

X-COORD : 33° 19'33.30"S

Y-COORD : 18° 55'4.02"E

HOLE No: TPRA19



NOTES

- 1) No water seepage.
- 2) No sidewall collapse.
- 3) No refusal.
- 4) CBR sample taken 0.20--1.70m.

CONTRACTOR : Mukona Consulting Engineers INCLINATION :

MACHINE : JCB 3 CX

DRILLED BY : Ronald

PROFILED BY : K Naidoo

TYPE SET BY : KN

SETUP FILE : STANDARD.SET

DIAM :

DATE :

DATE : 16/09/21-30/09/21

DATE : 22/11/2021 08:26

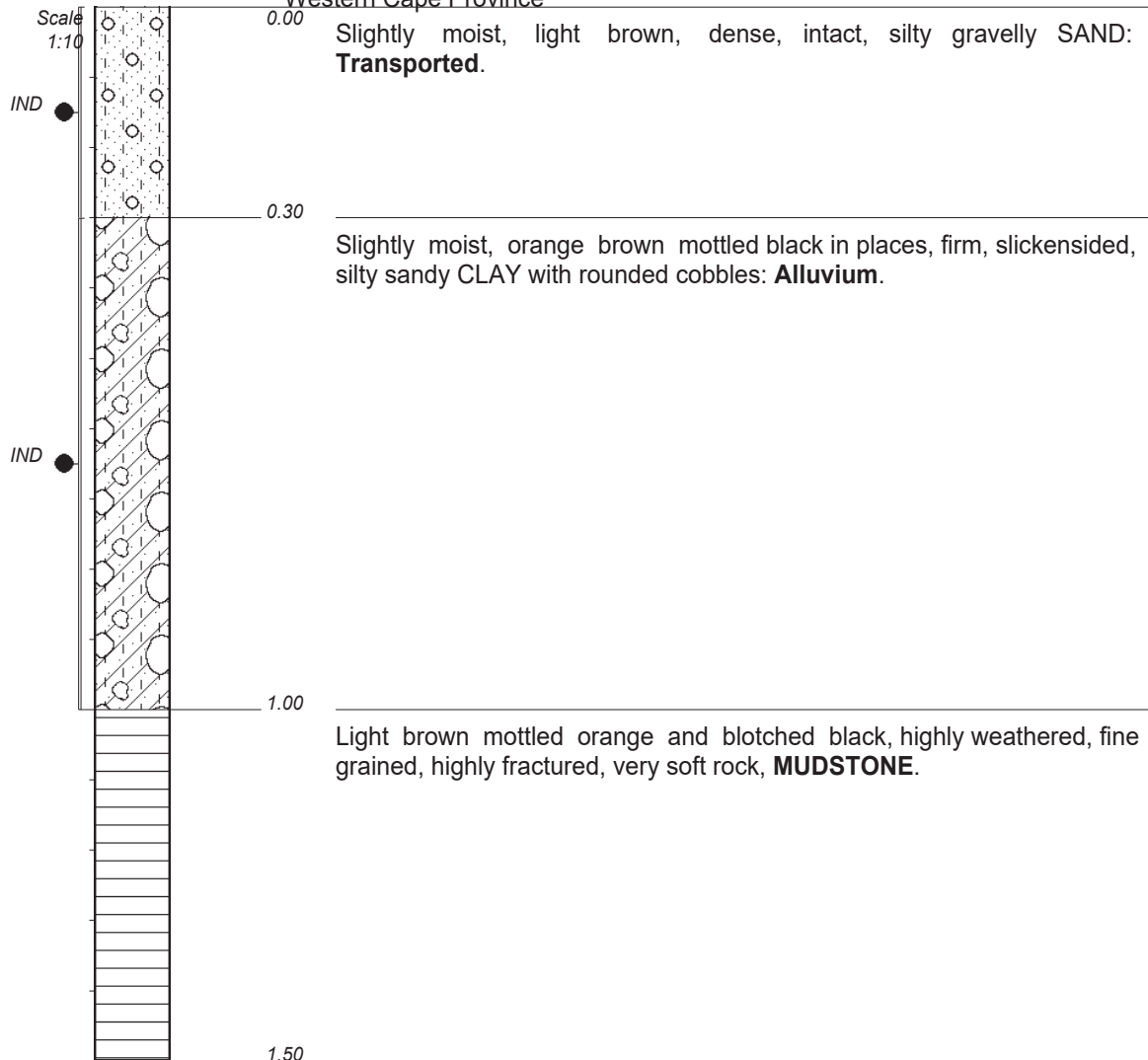
TEXT : ..LDER\MK21614BRVASPAR.TXT

ELEVATION :

X-COORD : 33° 19'35.85"S

Y-COORD : 18° 54'44.77"E

HOLE No: TPRA20



NOTES

- 1) No water seepage.
- 2) No sidewall collapse.
- 3) No refusal.
- 4) IND sample taken 0.00--0.30m.
- 5) IND sample taken 0.30--1.00m.

CONTRACTOR : Mukona Consulting Engineers INCLINATION :

MACHINE : JCB 3 CX

DRILLED BY : Ronald

PROFIED BY : K Naidoo

TYPE SET BY : KN

SETUP FILE : STANDARD.SET

DIAM :

DATE :

DATE : 16/09/21-30/09/21

DATE : 22/11/2021 08:26

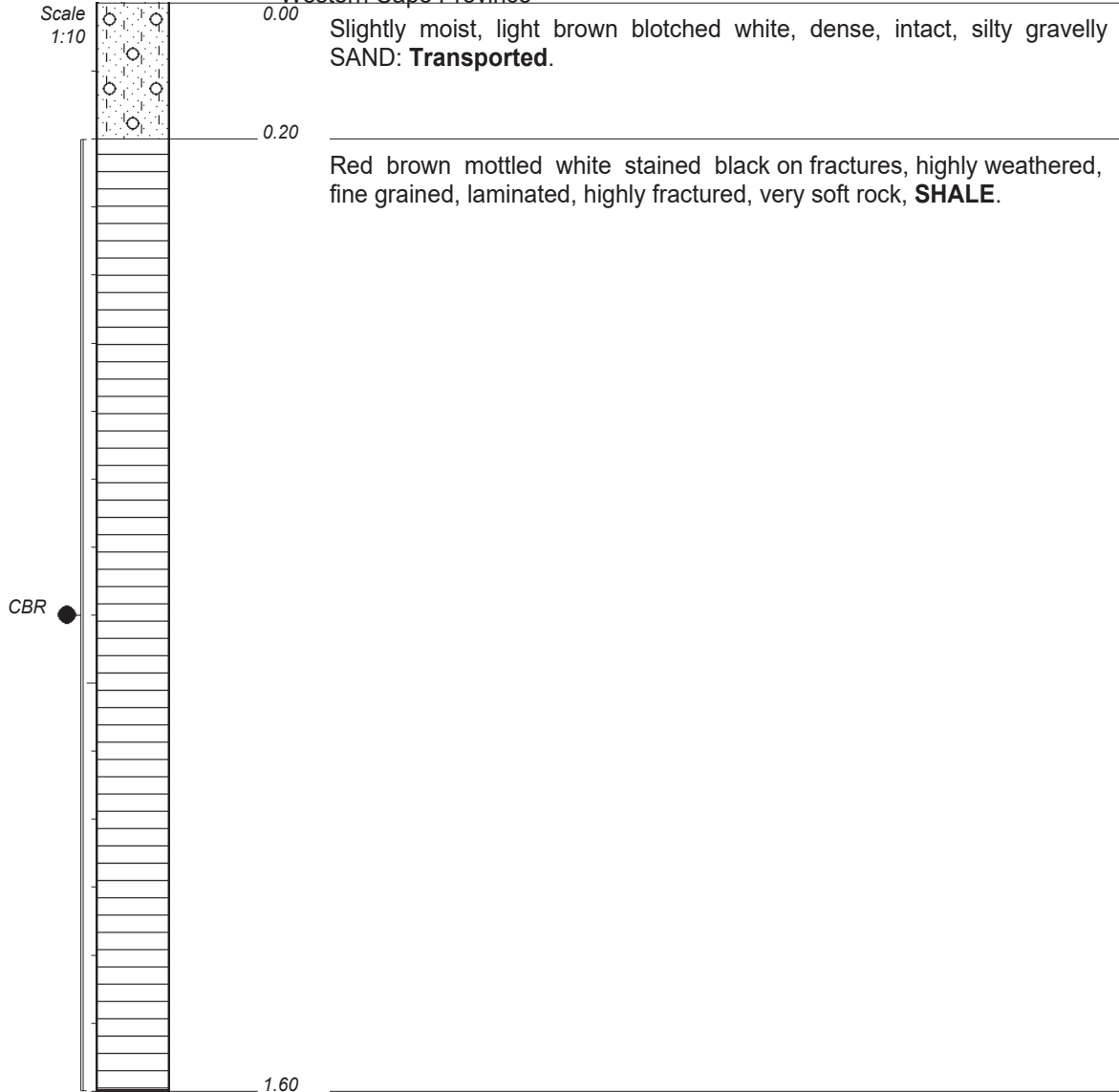
TEXT : ..LDER\MK21614BRVASPAR.TXT

ELEVATION :

X-COORD : 33° 19'34.26"S

Y-COORD : 18° 54'25.40"E

HOLE No: TPRA21



NOTES

- 1) No water seepage.
- 2) No sidewall collapse.
- 3) No refusal.
- 4) CBR sample taken 0.20--1.60m.

CONTRACTOR : Mukona Consulting Engineers INCLINATION :

MACHINE : JCB 3 CX

DRILLED BY : Ronald

PROFIED BY : K Naidoo

TYPE SET BY : KN

SETUP FILE : STANDARD.SET

DIAM :

DATE :

DATE : 16/09/21-30/09/21

DATE : 22/11/2021 08:26

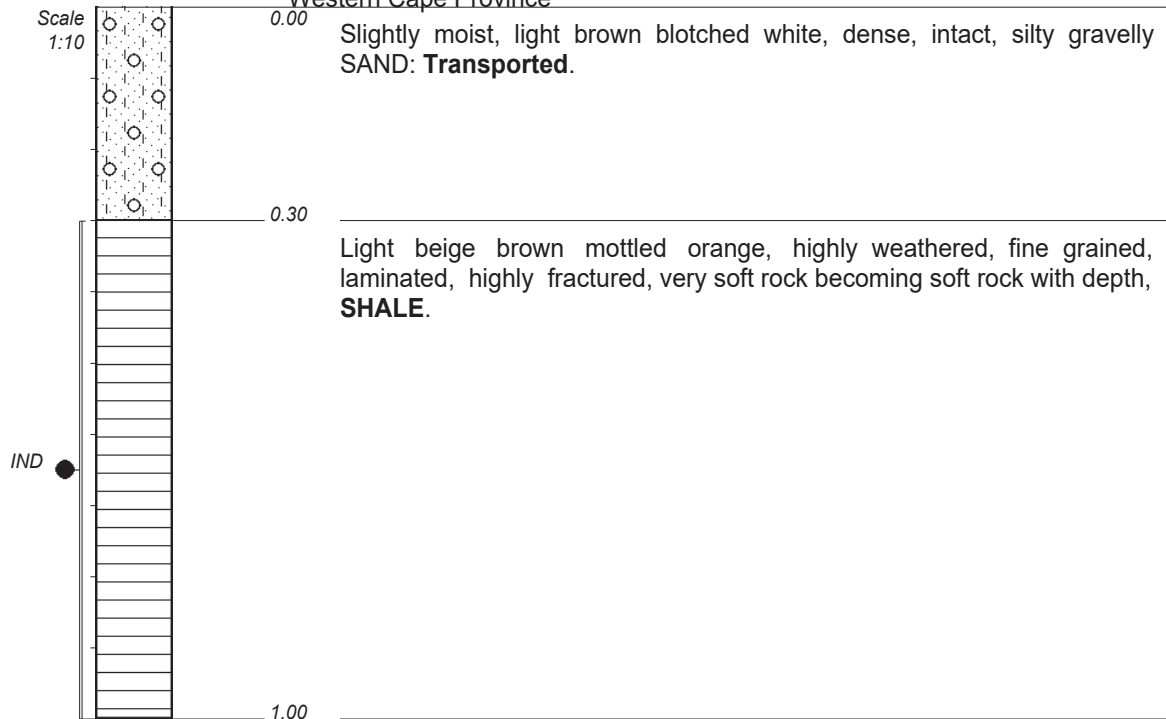
TEXT : ..LDER\MK21614BRVASPAR.TXT

ELEVATION :

X-COORD : 33° 19'30.46"S

Y-COORD : 18° 54'6.61"E

HOLE No: TPRA22



NOTES

- 1) No water seepage.
- 2) No sidewall collapse.
- 3) Refusal at 1.00m.
- 4) IND sample taken 0.30--1.00m.

CONTRACTOR : Mukona Consulting Engineers INCLINATION :

MACHINE : JCB 3 CX

DRILLED BY : Ronald

PROFIED BY : K Naidoo

TYPE SET BY : KN

SETUP FILE : STANDARD.SET

DIAM :

DATE :

DATE : 16/09/21-30/09/21

DATE : 22/11/2021 08:26

TEXT : ..LDER\MK21614BRVASPAR.TXT

ELEVATION :

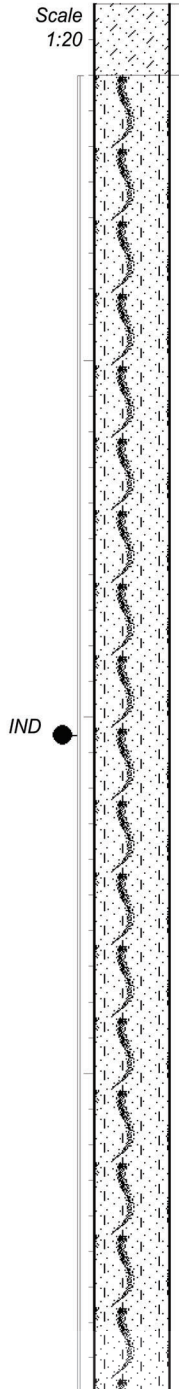
X-COORD : 33° 19'20.56"S

Y-COORD : 18° 53'51.55"E

HOLE No: TPRA23

CROSSINGS TESTPIT PROFILES

Scale
1:20



0.00 Moist, dark brown, loose, intact, clayey SAND: **Hillwash.**

0.20

Moist, light brown mottled orange and beige in places, loose, intact, silty SAND: **Alluvium.**

1. Weakly ferruginised in places.
2. Small pockets of organic material in places.

3.90

NOTES

- 1) No water seepage.
- 2) No sidewall collapse.
- 3) IND sample taken at 0.20--3.90m.
- 4) No Refusal.

CONTRACTOR : Mukona Consulting Engineers INCLINATION : Vertical

MACHINE : JCB 3 CX

DRILLED BY : Ronald

PROFIED BY : K Naidoo

TYPE SET BY : KN

SETUP FILE : STANDARD.SET

DIAM :

DATE :

DATE : 06/12/2021-09/12/2021

DATE : 13/01/2022 14:06

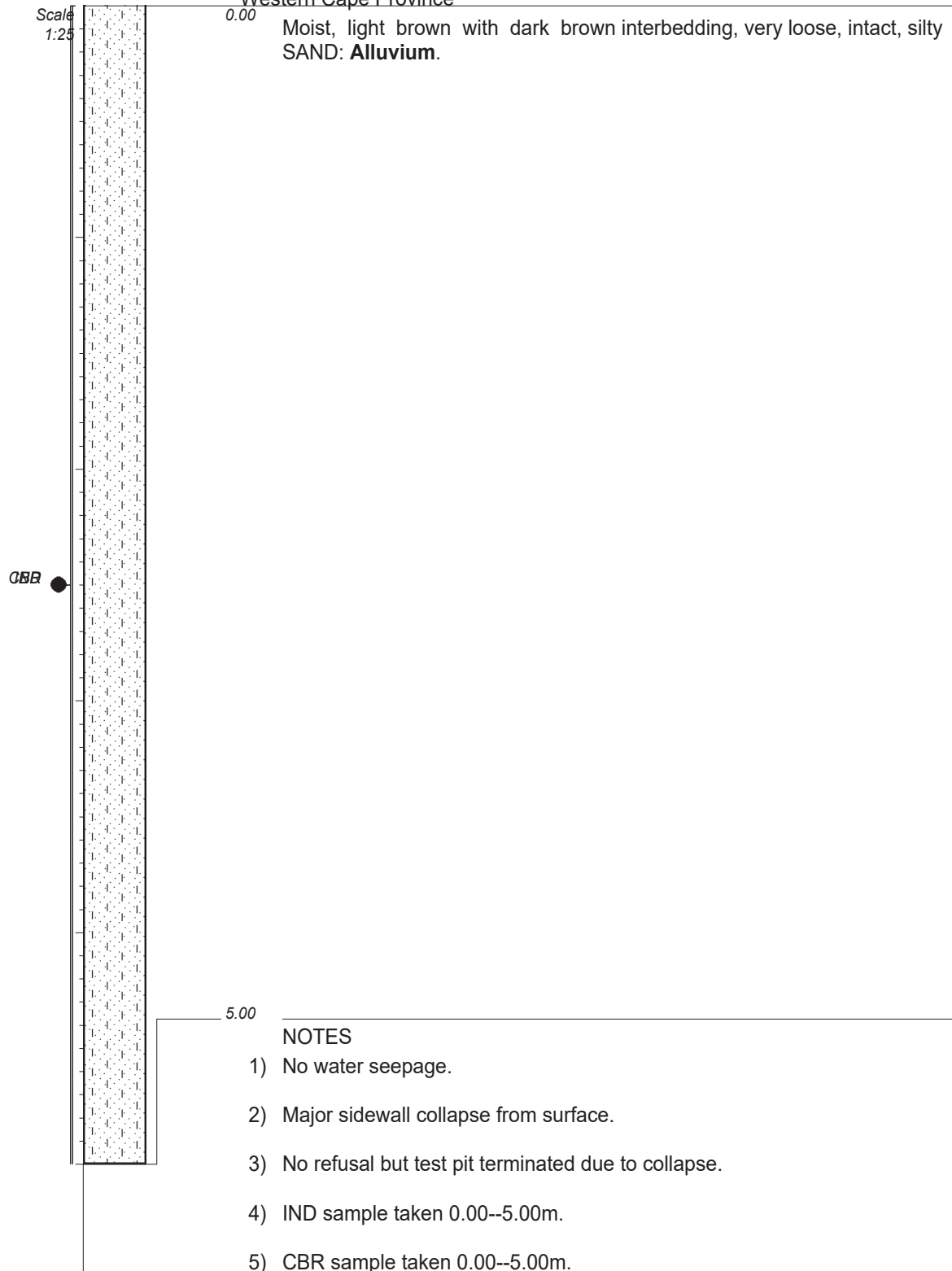
TEXT : ..VASTESTPITPIPELINE2.TXT

ELEVATION :

X-COORD : 33° 19' 54.90"S

Y-COORD : 18° 59' 21.40"E

HOLE No: TPC01



CONTRACTOR : Mukona Consulting Engineers INCLINATION : Vertical

MACHINE : Hitachi 220EX

DRILLED BY : Ronald

PROFIED BY : K Naidoo

TYPE SET BY : KN

SETUP FILE : STANDARD.SET

DIAM :

DATE :

DATE : 16/09/21-30/09/21

DATE : 22/11/2021 08:17

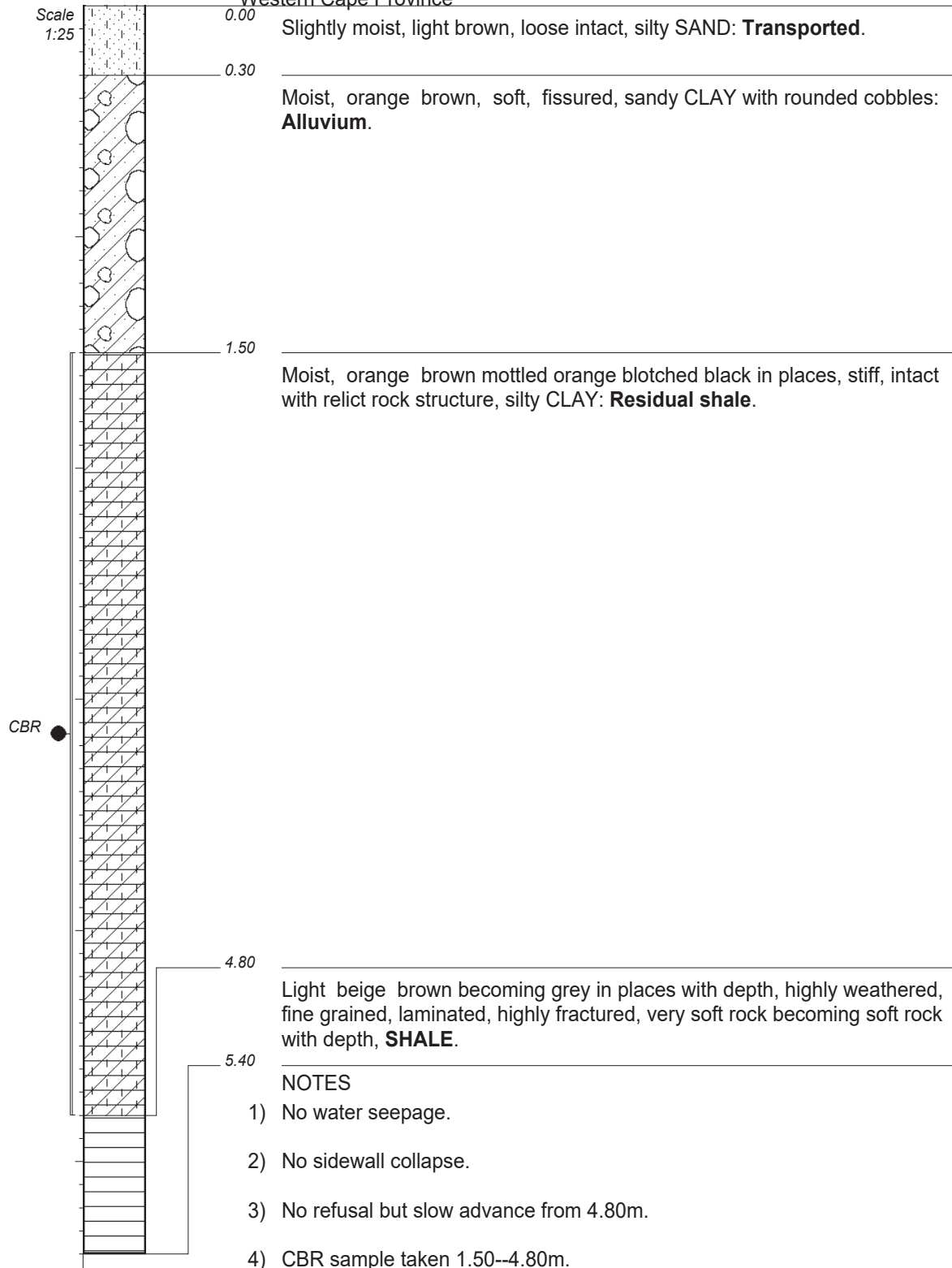
TEXT : ..VASTESTPITSCROSSINGS.TXT

ELEVATION :

X-COORD : 33° 19'55.43"S

Y-COORD : 18° 59'25.75"E

HOLE No: TPC04



CONTRACTOR : Mukona Consulting Engineers INCLINATION :

MACHINE : Hitachi 220EX

DRILLED BY : Ronald

PROFIED BY : K Naidoo

TYPE SET BY : KN

SETUP FILE : STANDARD.SET

DIAM :

DATE :

DATE : 16/09/21-30/09/21

DATE : 22/11/2021 08:17

TEXT : ..VASTESTPITSCROSSINGS.TXT

ELEVATION :

X-COORD : 33° 20'46.10"S

Y-COORD : 19° 01'07.63"E

HOLE No: TPC05

Scale
1:30



0.00

Slightly moist, red brown, dense, intact, silty SAND with scattered gravels:
Transported.

0.60

Moist, orange brown, soft, fissured, sandy CLAY with rounded cobbles:
Alluvium.

5.50

Moist, orange brown mottled beige, firm, fissure, silty sandy CLAY with
cobbles of highly weathered shale: **Residual shale.**

6.00

NOTES

- 1) No water seepage.
- 2) No sidewall collapse.
- 3) No refusal.

CONTRACTOR : Mukona Consulting Engineers INCLINATION :

MACHINE : Hitachi 220EX

DRILLED BY : Ronald

PROFILED BY : K Naidoo

TYPE SET BY : KN

SETUP FILE : STANDARD.SET

DIAM :

DATE :

DATE : 16/09/21-30/09/21

DATE : 22/11/2021 08:17

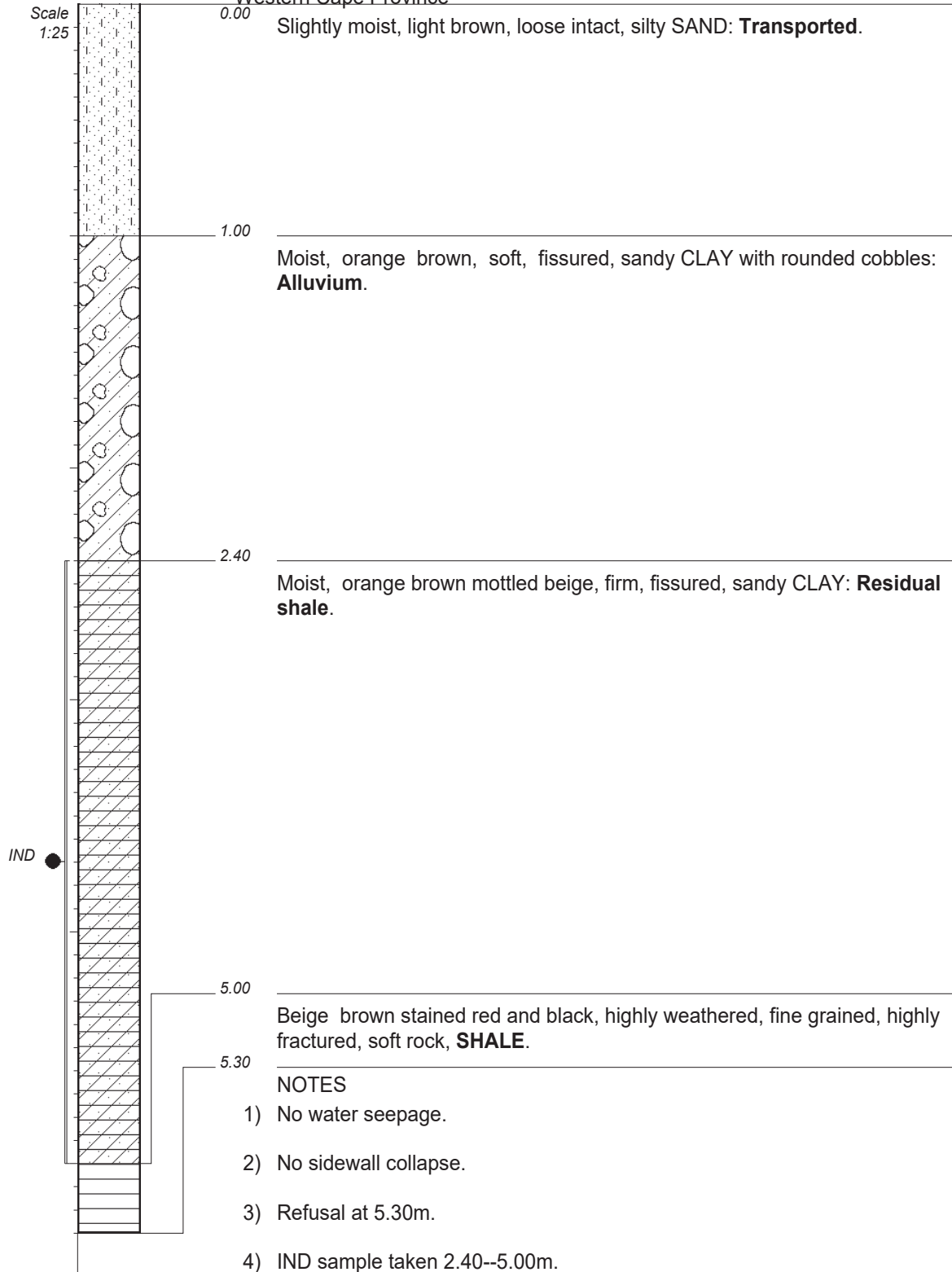
TEXT : ..VASTESTPITSCROSSINGS.TXT

ELEVATION :

X-COORD : 33° 20'46.67"S

Y-COORD : 19° 01'07.93"E

HOLE No: TPC07



CONTRACTOR : Mukona Consulting Engineers INCLINATION :

MACHINE : Hitachi 220EX

DRILLED BY : Ronald

PROFIED BY : K Naidoo

TYPE SET BY : KN

SETUP FILE : STANDARD.SET

DIAM :

DATE :

DATE : 16/09/21-30/09/21

DATE : 22/11/2021 08:17

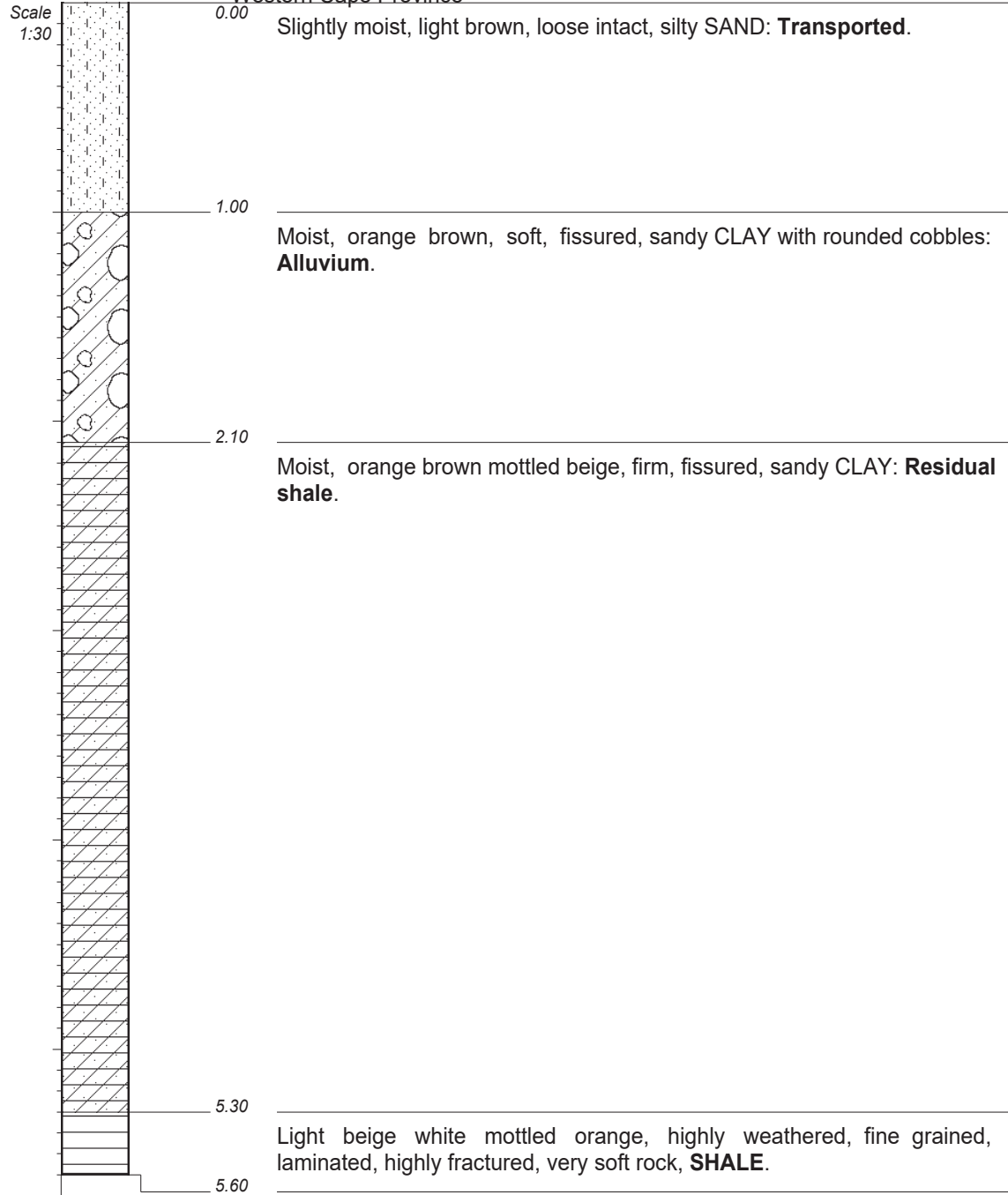
TEXT : ..VASTESTPITSCROSSINGS.TXT

ELEVATION :

X-COORD : 33° 20'49.19"S

Y-COORD : 19° 01'10.06"E

HOLE No: TPC09



NOTES

- 1) No water seepage.
- 2) No sidewall collapse.
- 3) No refusal but very slow advance from 5.30m.

CONTRACTOR : Mukona Consulting Engineers INCLINATION :

MACHINE : Hitachi 220EX

DRILLED BY : Ronald

PROFIED BY : K Naidoo

TYPE SET BY : KN

SETUP FILE : STANDARD.SET

DIAM :

DATE :

DATE : 16/09/21-30/09/21

DATE : 22/11/2021 08:17

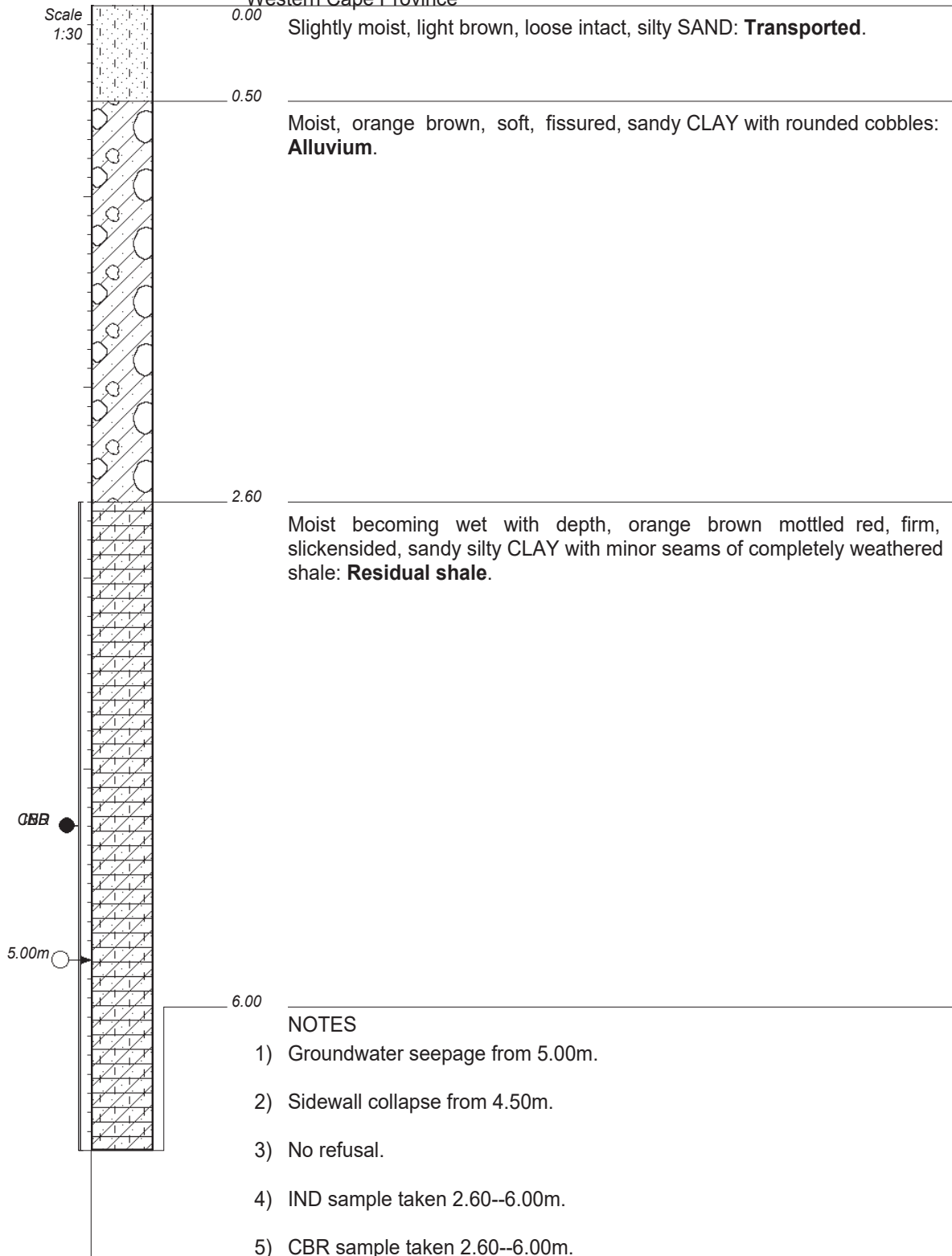
TEXT : ..VASTESTPITSCROSSINGS.TXT

ELEVATION :

X-COORD : 33° 20'49.57"S

Y-COORD : 19° 01'11.61"E

HOLE No: TPC11



CONTRACTOR : Mukona Consulting Engineers INCLINATION :

MACHINE : Hitachi 220EX

DRILLED BY : Ronald

PROFIED BY : K Naidoo

TYPE SET BY : KN

SETUP FILE : STANDARD.SET

DIAM :

DATE :

DATE : 16/09/21-30/09/21

DATE : 22/11/2021 08:17

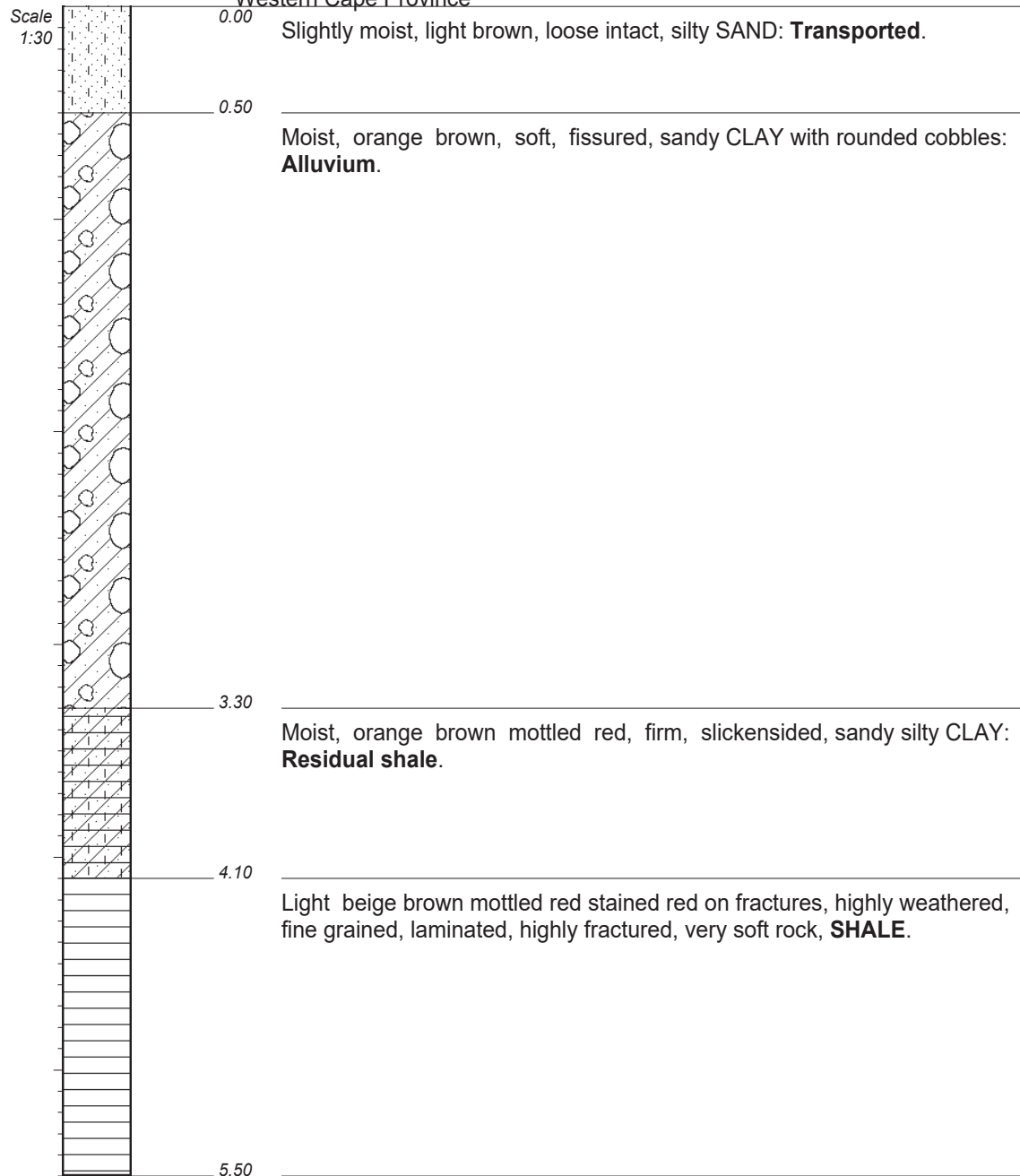
TEXT : ..VASTESTPITSCROSSINGS.TXT

ELEVATION :

X-COORD : 33° 20'50.35"S

Y-COORD : 19° 01'16.27"E

HOLE No: TPC13



NOTES

- 1) No water seepage.
- 2) No sidewall collapse.
- 3) Refusal at 5.50m.

CONTRACTOR : Mukona Consulting Engineers INCLINATION :

MACHINE : Hitachi 220EX

DRILLED BY : Ronald

PROFILED BY : K Naidoo

TYPE SET BY : KN

SETUP FILE : STANDARD.SET

DIAM :

DATE :

DATE : 16/09/21-30/09/21

DATE : 22/11/2021 08:17

TEXT : ..VASTESTPITSCROSSINGS.TXT

ELEVATION :

X-COORD : 33° 20'50.95"S

Y-COORD : 19° 01'17.57"E

HOLE No: TPC15

Name ●

	SAND	{SA04}
	SANDY	{SA05}
	SILT	{SA06}
	SILTY	{SA07}
	CLAY	{SA08}
	CLAYEY	{SA09}
	DISTURBED SAMPLE	{SA38}

CONTRACTOR :
MACHINE :
DRILLED BY :
PROFIED BY :

TYPE SET BY : KN
SETUP FILE : STANDARD.SET

INCLINATION :
DIAM :
DATE :
DATE :

DATE : 22/11/2021 08:23
TEXT : ..OLDER\MK21614BRVASEE.TXT

ELEVATION :
X-COORD :
Y-COORD :

LEGEND
SUMMARY OF SYMBOLS

WEIR TESTPIT PHOTOGRAPHS



Figure 1: TPD01 Profile



Figure 2: TPDE01 Profile



Figure 3: TPDE02 Profile



Figure 4: TPD03 Profile



Figure 5: TPDE03Profile



Figure 6: TPD04 Profile



Figure 7: TPDE04A Profile



Figure 8: TPDE04B Profile

EARTH EMBANKMENT DAM TESTPIT PHOTOGRAPHS



Figure 9: TPD05 Profile



Figure 10: TPDE05A Profile



Figure 11: TPD06 Profile



Figure 12: TPD07 Profile



Figure 13: TPD08 Profile



Figure 14: TPD09 Profile



Figure 15: TPD10 Profile



Figure 16: TPD11 Profile



Figure 17: TPD12 Profile

SADDLE DAM TESTPIT PHOTOGRAPHS



Figure 18: TPE01Profile



Figure 19: TPE02 Profile