



TRIAL PIT RECORD

REPORT NUMBER

24665

CONTRACT Monaghan Active Travel

TRIAL PIT NO. TP03

SHEET Sheet 1 of 1

LOGGED BY I.Redder

CO-ORDINATES 667,451.08 E
833,766.18 N

DATE STARTED 27/04/2023

DATE COMPLETED 27/04/2023

CLIENT Monaghan Co.Co.

ENGINEER DBFL/Cora

GROUND LEVEL (m) 72.15

EXCAVATION METHOD 3T Tracked machine

| | Geotechnical Description | Legend | Depth (m) | Elevation | Water Strike | Samples | | | Vane Test (KPa) | Hand Penetrometer (KPa) |
|-----|--|--------|-----------|-----------|--------------|------------|------|-------|-----------------|-------------------------|
| | | | | | | Sample Ref | Type | Depth | | |
| 0.0 | TOPSOIL | | | | | | | | | |
| | Soft, brown, sandy slightly gravelly CLAY with low cobbles content. Sand is fine to coarse, gravel is fine to coarse subangular to subrounded, cobbles are small subangular to subrounded. | | 0.20 | 71.95 | | | | | | |
| | | | 0.80 | 71.35 | | AA200179 | B | 0.60 | | |
| 1.0 | Firm to stiff, greyish brown, slightly sandy gravelly slightly silty CLAY with high cobbles and boulders content. Sand is fine to coarse, gravel is fine to coarse subangular to subrounded, cobbles and boulders are subangular to angular. | | | | | | | | | |
| | | | 1.70 | 70.45 | | AA200180 | B | 1.50 | | |
| 2.0 | TP terminated at 1.7m due to many boulders End of Trial Pit at 1.70m | | | | | | | | | |
| 3.0 | | | | | | | | | | |
| 4.0 | | | | | | | | | | |

Groundwater Conditions

TP dry

Stability

TP stable

General Remarks

TP done for civic offices project



TRIAL PIT RECORD

REPORT NUMBER

24665

CONTRACT Monaghan Active Travel

TRIAL PIT NO. TP04

SHEET Sheet 1 of 1

LOGGED BY I.Redder

CO-ORDINATES 667,481.57 E
833,781.44 N

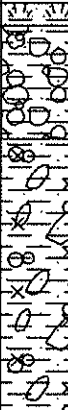
DATE STARTED 28/04/2023

DATE COMPLETED 28/04/2023

CLIENT Monaghan Co.Co.
ENGINEER DBFL/Cora

GROUND LEVEL (m) 73.74

EXCAVATION METHOD 3T Tracked machine

| | Geotechnical Description | Legend | Depth (m) | Elevation | Water Strike | Samples | | | Vane Test (KPa) | Hand Penetrometer (KPa) |
|-----|---|--|-----------|-----------|--------------|------------|------|-------|-----------------|-------------------------|
| | | | | | | Sample Ref | Type | Depth | | |
| 0.0 | TOPSOIL |  | 0.10 | 73.64 | | AA200184 | B | 0.50 | | |
| | Firm, brown, slightly sandy very gravelly CLAY with high cobbles and boulders content. Sand is fine to coarse, gravel is fine to coarse subangular to subrounded, cobbles and boulders are subangular to angular. (POSSIBLE FILL) | | 0.60 | 73.14 | | | | | | |
| 1.0 | Firm to stiff, greyish brown, sandy gravelly slightly silty CLAY with high cobbles and boulders content. Sand is fine to coarse, gravel is fine to coarse subangular to subrounded, cobbles and boulders are subangular to angular. | | | | | AA200185 | B | 1.30 | | |
| | | | 1.80 | 71.94 | | | | | | |
| 2.0 | TP terminated at 1.8m due to many boulders End of Trial Pit at 1.80m | | | | | | | | | |
| 3.0 | | | | | | | | | | |
| 4.0 | | | | | | | | | | |

Groundwater Conditions

TP dry

Stability

TP stable

General Remarks

TP done for civic offices project



TRIAL PIT RECORD

REPORT NUMBER

24665

CONTRACT Monaghan Active Travel

TRIAL PIT NO. TP05

LOGGED BY I.Redder

CO-ORDINATES 667,507.95 E
833,782.70 N

SHEET Sheet 1 of 1

DATE STARTED 28/04/2023

DATE COMPLETED 28/04/2023

CLIENT Monaghan Co.Co.
ENGINEER DBFL/Cora

GROUND LEVEL (m) 69.54

EXCAVATION METHOD 3T Tracked machine

| | Geotechnical Description | Legend | Depth (m) | Elevation | Water Strike | Samples | | | Vane Test (KPa) | Hand Penetrometer (KPa) |
|-----|---|--------|-----------|-----------|--------------|------------|------|-------|-----------------|-------------------------|
| | | | | | | Sample Ref | Type | Depth | | |
| 0.0 | TOPSOIL | | 0.20 | 69.34 | | | | | | |
| | Soft, brown, slightly sandy slightly gravelly CLAY. Sand is fine to coarse, gravel is fine to coarse subangular to subrounded. | | 0.50 | 69.04 | | | | | | |
| | Firm to stiff, brownish grey, slightly sandy gravelly slightly silty CLAY with high cobbles and low boulders content. Sand is fine to coarse, gravel is fine to coarse subangular to subrounded, cobbles and boulders are subangular to subrounded. | | | | | AA200182 | B | 0.70 | | |
| 1.0 | | | | | | | | | | |
| | | | | | | AA200183 | B | 1.70 | | |
| 2.0 | TP terminated at 2.1m due to many boulders End of Trial Pit at 2.10m | | 2.10 | 67.44 | | | | | | |
| 3.0 | | | | | | | | | | |
| 4.0 | | | | | | | | | | |

Groundwater Conditions

TP dry

Stability

TP stable

General Remarks

TP done for civic offices project



TRIAL PIT RECORD

REPORT NUMBER

24665

CONTRACT Monaghan Active Travel

TRIAL PIT NO. TP06

SHEET Sheet 1 of 1

LOGGED BY I.Reder

CO-ORDINATES 667,474.33 E
833,810.79 N

DATE STARTED 28/04/2023

DATE COMPLETED 28/04/2023

CLIENT Monaghan Co.Co.
ENGINEER DBFL/Cora

GROUND LEVEL (m) 74.34

EXCAVATION METHOD 3T Tracked machine

| | Geotechnical Description | Legend | Depth (m) | Elevation | Water Strike | Samples | | | Vane Test (KPa) | Hand Penetrometer (KPa) |
|-----|--|--------|-----------|-----------|---------------|------------|------|-------|-----------------|-------------------------|
| | | | | | | Sample Ref | Type | Depth | | |
| 0.0 | TOPSOIL | | | | | | | | | |
| | Firm, brown, slightly sandy slightly gravelly CLAY with low cobbles content. Sand is fine to coarse, gravel is fine to coarse subangular to subrounded, cobbles are subangular to subrounded. | | 0.25 | 74.09 | | | | | | |
| | Firm to stiff, greyish brown, slightly sandy gravelly slightly silty CLAY with high cobbles and boulders content. Sand is fine to coarse, gravel is fine to coarse subangular to subrounded, cobbles and boulders are subangular to angular. | | 0.80 | 73.54 | (Seepage) | AA200186 | B | 0.70 | | |
| | TP terminated at 1.5m due to many boulders End of Trial Pit at 1.50m | | 1.50 | 72.84 | | AA200187 | B | 1.40 | | |
| 2.0 | | | | | | | | | | |
| 3.0 | | | | | | | | | | |
| 4.0 | | | | | | | | | | |

Groundwater Conditions

Seepage flow at 1.0m

Stability

TP stable

General Remarks

TP done for civic offices project



TRIAL PIT RECORD

REPORT NUMBER

24665

CONTRACT Monaghan Active Travel

TRIAL PIT NO. TP07

SHEET Sheet 1 of 1

LOGGED BY I.Reeder

CO-ORDINATES 667,458.22 E
833,833.25 N

DATE STARTED 28/04/2023

DATE COMPLETED 28/04/2023

CLIENT Monaghan Co.Co.

ENGINEER DBFL/Cora

GROUND LEVEL (m) 75.79

EXCAVATION METHOD 3T Tracked machine

| | Geotechnical Description | Legend | Depth (m) | Elevation | Water Strike | Samples | | | Vane Test (KPa) | Hand Penetrometer (KPa) |
|-----|--|--------|-----------|-----------|--------------|------------|------|-------|-----------------|-------------------------|
| | | | | | | Sample Ref | Type | Depth | | |
| 0.0 | TOPSOIL | | | | | | | | | |
| | Soft, brown, slightly sandy slightly gravelly CLAY with some hair roots. Sand is fine to coarse, gravel is fine to coarse subangular to subrounded. | | 0.25 | 75.54 | | | | | | |
| | Soft to firm, greyish brown, very sandy gravelly CLAY with medium cobbles content. Sand is fine to coarse, gravel is fine to coarse subangular to subrounded, cobbles are small subangular to angular. (Possible very clayey gravelly sand). | | 0.60 | 75.19 | | AA200188 | B | 0.50 | | |
| 1.0 | | | | | | | | | | |
| | Firm to stiff, brown, slightly sandy gravelly CLAY with high cobbles and low boulders content. Sand is fine to coarse, gravel is fine to coarse subangular to subrounded, cobbles and boulders are subangular to angular. | | 1.50 | 74.29 | | AA200189 | B | 1.30 | | |
| | | | | | | | | | | |
| | | | 1.90 | 73.89 | | AA200190 | B | 1.80 | | |
| 2.0 | TP terminated at 1.9m due to many boulders End of Trial Pit at 1.90m | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| 3.0 | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| 4.0 | | | | | | | | | | |

Groundwater Conditions

TP dry

Stability

TP stable

General Remarks

TP done for civic offices project



TRIAL PIT RECORD

REPORT NUMBER

24665

CONTRACT Monaghan Active Travel

TRIAL PIT NO. TP08

LOGGED BY I.Reder

CO-ORDINATES 667,426.80 E
833,858.25 N

SHEET Sheet 1 of 1

DATE STARTED 28/04/2023

DATE COMPLETED 28/04/2023

CLIENT Monaghan Co.Co.
ENGINEER DBFL/Cora

GROUND LEVEL (m) 79.90

EXCAVATION METHOD 3T Tracked machine

| | Geotechnical Description | Legend | Depth (m) | Elevation | Water Strike | Samples | | | Vane Test (KPa) | Hand Penetrometer (KPa) |
|-----|---|--------|-----------|-----------|--------------|------------|------|-------|-----------------|-------------------------|
| | | | | | | Sample Ref | Type | Depth | | |
| 0.0 | TOPSOIL | | | | | | | | | |
| | Soft to firm, brown, slightly sandy gravelly CLAY with low cobbles and hair roots content. Sand is fine to coarse, gravel is fine to coarse subangular to subrounded, cobbles are small subangular to subrounded. | | 0.25 | 79.65 | | | | | | |
| | Firm to stiff, greyish brown, slightly sandy gravelly CLAY with high cobbles and low boulders content. Sand is fine to coarse, gravel is fine to coarse subangular to subrounded, cobbles and boulders are subangular to angular. | | 0.50 | 79.40 | | | | | | |
| 1.0 | | | | | | AA200195 | B | 0.80 | | |
| 2.0 | | | | | | AA200196 | B | 1.80 | | |
| | TP terminated at 2.2m due to many boulders End of Trial Pit at 2.20m | | 2.20 | 77.70 | | | | | | |
| 3.0 | | | | | | | | | | |
| 4.0 | | | | | | | | | | |

Groundwater Conditions
TP dryStability
TP stableGeneral Remarks
TP done for civic offices project



TRIAL PIT RECORD

REPORT NUMBER

24665

CONTRACT Monaghan Active Travel

TRIAL PIT NO. TP09

SHEET Sheet 1 of 1

LOGGED BY I.Reder

CO-ORDINATES 667,477.14 E
833,842.01 N

DATE STARTED 28/04/2023

DATE COMPLETED 28/04/2023

CLIENT Monaghan Co.Co.

GROUND LEVEL (m) 75.17

ENGINEER DBFL/Cora

EXCAVATION METHOD 3T Tracked machine

| | Geotechnical Description | Legend | Depth (m) | Elevation | Water Strike | Samples | | | Vane Test (KPa) | Hand Penetrometer (KPa) |
|-----|--|--------|-----------|-----------|--------------|------------|------|-------|-----------------|-------------------------|
| | | | | | | Sample Ref | Type | Depth | | |
| 0.0 | TOPSOIL | | | | | | | | | |
| | Soft, brown, slightly sandy slightly gravelly CLAY with hair roots content. Sand is fine to coarse, gravel is fine to coarse subangular to subrounded. | | 0.25 | 74.92 | | | | | | |
| | Firm to stiff, greyish brown, slightly sandy gravelly slightly silty CLAY with high cobbles and boulders content. Sand is fine to coarse, gravel is fine to coarse subangular to subrounded, cobbles and boulders are subangular to angular. | | 0.50 | 74.67 | | | | | | |
| 1.0 | | | | | | AA20019 | B | 0.70 | | |
| | TP terminated at 1.5m due to many boulders End of Trial Pit at 1.50m | | 1.50 | 73.67 | | AA200192 | B | 1.50 | | |
| 2.0 | | | | | | | | | | |
| 3.0 | | | | | | | | | | |
| 4.0 | | | | | | | | | | |

Groundwater Conditions

TP dry

Stability

TP stable

General Remarks

TP done for civic offices project



TRIAL PIT RECORD

REPORT NUMBER

24665

CONTRACT Monaghan Active Travel

TRIAL PIT NO. TP10

SHEET Sheet 1 of 1

LOGGED BY I.Reder

CO-ORDINATES 667,449.28 E
833,875.03 N

DATE STARTED 28/04/2023

DATE COMPLETED 28/04/2023

CLIENT Monaghan Co.Co.

ENGINEER DBFL/Cora

GROUND LEVEL (m) 81.69

EXCAVATION METHOD 3T Tracked machine

| | Geotechnical Description | Legend | Depth (m) | Elevation | Water Strike | Samples | | | Vane Test (KPa) | Hand Penetrometer (KPa) |
|-----|--|--------|-----------|-----------|--------------|------------|------|-------|-----------------|-------------------------|
| | | | | | | Sample Ref | Type | Depth | | |
| 0.0 | TOPSOIL | | | | | | | | | |
| | Soft, brown, slightly sandy slightly gravelly CLAY with hair roots content. Sand is fine to coarse, gravel is fine to coarse subangular to subrounded. | | 0.30 | 81.39 | | | | | | |
| | Stiff to very stiff, greyish brown to brown, slightly sandy gravelly CLAY with high cobbles and boulders content. Sand is fine to coarse, gravel is fine to coarse subangular to subrounded, cobbles and boulders are subangular to angular. | | 0.50 | 81.19 | | AA200197 | B | 0.60 | | |
| 1.0 | | | | | | | | | | |
| | | | | | | AA200198 | B | 1.60 | | |
| 2.0 | | | | | | | | | | |
| | End of Trial Pit at 2.50m | | 2.50 | 79.19 | | AA200199 | B | 2.50 | | |
| 3.0 | | | | | | | | | | |
| 4.0 | | | | | | | | | | |

Groundwater Conditions

TP dry

Stability

TP stable

General Remarks

TP done for civic offices project



TRIAL PIT RECORD

REPORT NUMBER

24665

CONTRACT Monaghan Active Travel

TRIAL PIT NO. TP11

SHEET Sheet 1 of 1

LOGGED BY I.Redder

CO-ORDINATES 667,482.17 E
833,886.75 N

DATE STARTED 28/04/2023

DATE COMPLETED 28/04/2023

CLIENT Monaghan Co.Co.

GROUND LEVEL (m) 76.84

ENGINEER DBFL/Cora

EXCAVATION METHOD 3T Tracked machine

| | Geotechnical Description | Legend | Depth (m) | Elevation | Water Strike | Samples | | | Vane Test (KPa) | Hand Penetrometer (KPa) |
|-----|---|--------|-----------|-----------|--------------|------------|------|-------|-----------------|-------------------------|
| | | | | | | Sample Ref | Type | Depth | | |
| 0.0 | TOPSOIL | | | | | | | | | |
| | Soft to firm, brown/grey mottled, slightly sandy slightly gravelly CLAY with low cobbles content. Sand is fine to coarse, gravel is fine to coarse subangular to subrounded, cobbles are small subangular to subrounded. | | 0.20 | 76.64 | | AA205152 | B | 0.70 | | |
| 1.0 | Firm to stiff, greyish brown, slightly sandy gravelly CLAY with medium cobbles and low boulders content. Sand is fine to coarse, gravel is fine to coarse subangular to subrounded, cobbles and boulders are subangular to angular. | | 1.10 | 75.74 | | AA205153 | B | 1.50 | | |
| 2.0 | TP terminated at 2.3m due to many boulders End of Trial Pit at 2.30m | | 2.30 | 74.54 | | AA205154 | B | 2.20 | | |
| 3.0 | | | | | | | | | | |
| 4.0 | | | | | | | | | | |

Groundwater Conditions

TP dry

Stability

TP stable

General Remarks

TP done for civic offices project



TRIAL PIT RECORD

REPORT NUMBER

24665

CONTRACT Monaghan Active Travel

TRIAL PIT NO. TP12

SHEET Sheet 1 of 1

LOGGED BY I.Reder

CO-ORDINATES 667,491.71 E
833,909.43 N

DATE STARTED 04/05/2023

DATE COMPLETED 04/05/2023

CLIENT Monaghan Co.Co.

GROUND LEVEL (m) 77.46

EXCAVATION METHOD 3T Tracked machine

ENGINEER DBFL/Cora

| | Geotechnical Description | Legend | Depth (m) | Elevation | Water Strike | Samples | | | Vane Test (KPa) | Hand Penetrometer (KPa) |
|-----|---|--------|-----------|-----------|--------------|------------|------|-------|-----------------|-------------------------|
| | | | | | | Sample Ref | Type | Depth | | |
| 0.0 | TOPSOIL | | | | | | | | | |
| | Soft, brown, slightly sandy slightly slightly gravelly CLAY with hair roots content. Sand is fine to coarse, gravel is fine to coarse subangular to subrounded. | | 0.30 | 77.16 | | | | | | |
| | Soft to firm, greyish brown , slightly sandy slightly gravelly CLAY with low cobbles content. Sand is fine to coarse, gravel is fine to coarse subangular to subrounded, cobbles are small subangular to subrounded. | | 0.55 | 76.91 | | | | | | |
| 1.0 | Soft to firm, greyish brown , slightly sandy very gravelly CLAY with high cobbles and boulders content. Sand is fine to coarse, gravel is fine to coarse subangular to angular, cobbles and boulders are subangular to angular. (possible very clayey angular gravel and cobbles) | | 1.00 | 76.46 | | AA205178 | B | 0.80 | | |
| | TP terminated at 1.8m due to boulders or rock End of Trial Pit at 1.80m | | 1.80 | 75.66 | | AA205179 | B | 1.70 | | |
| 2.0 | | | | | | | | | | |
| 3.0 | | | | | | | | | | |
| 4.0 | | | | | | | | | | |

Groundwater Conditions

TP dry

Stability

TP stable

General Remarks

TP done for civic offices project