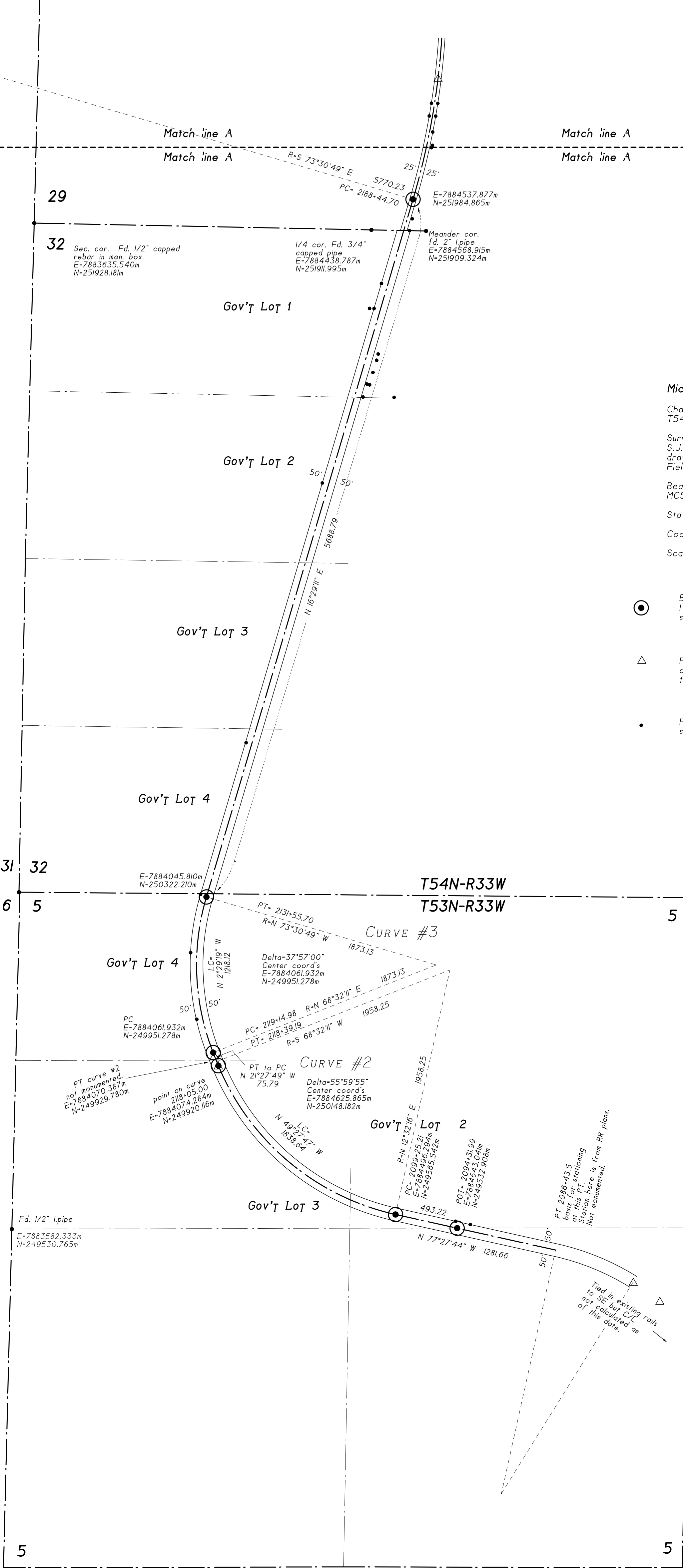




Michigan Dept. of Natural Resources

Chassell to Houghton grade
T54N-R33W Sheet 1 of 3

Surveyed 2004 to 2008
S.J.Szyszkoski PS
drawn 3/21/2013
Field: D.Lampela and R.Wheeler

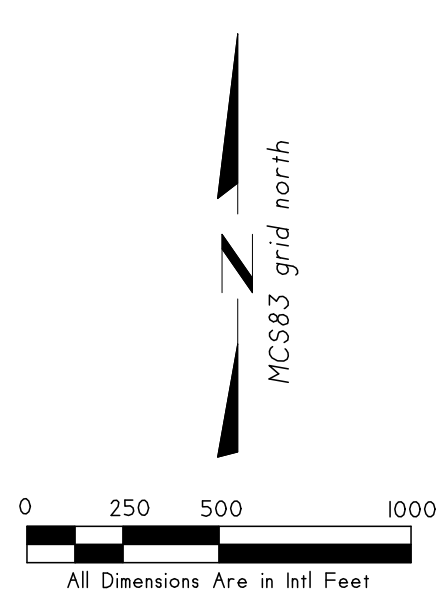
Bearings and distances are
MCS83 grid International Feet

Stationing shown is at GROUND measure (not grid).

Coordinates are MCS83 meters.

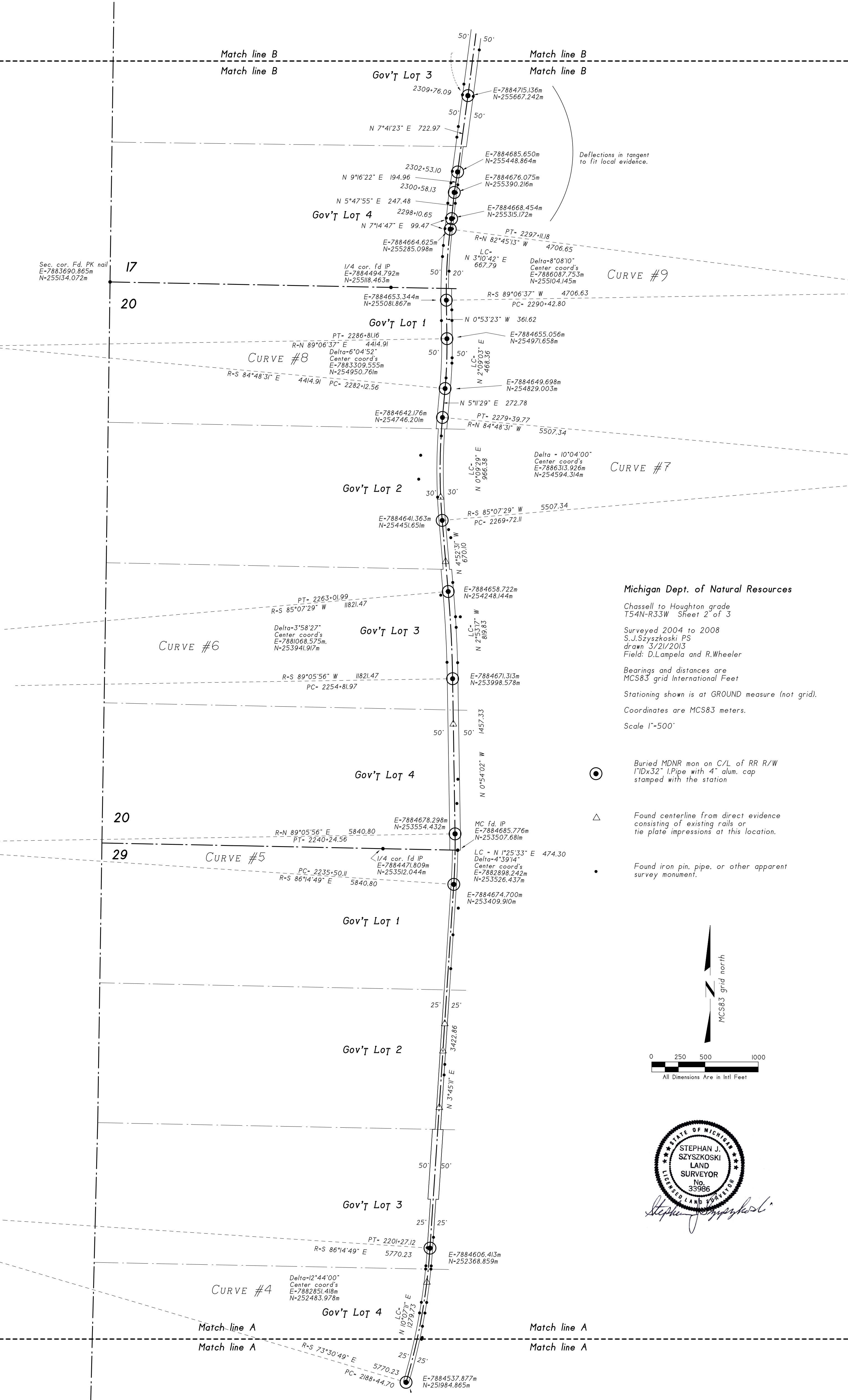
Scale 1"=500'

- Buried MDNR mon. on C/L of RR R/W 1'IDx32" l. pipe with 4" alum. cap stamped with the station
- Found centerline from direct evidence consisting of existing rails or tie plate impressions at this location.
- Found iron pin, pipe, or other apparent survey monument.



Stephan J. Szyszkoski

Tied in existing rails to SE but C/L not calculated as of this date.



1/4 cor.
Fd. 1/2" pin in mon. box
E=7883754.281m
N=259155.237m

CURVE #11

Delta=25°25'30"
Center coord's
E=7884410.125m
N=258652.363m

Gov't Lot 3

Gov't Lot 4

Gov't Lot 5

Deflection in
Tangent to fit
local evidence.
2399+78.21
E=7885011.605m
N=258390.744m

Meander cor. E=7885085.546m
Fd. brass cap. N=258330.208m

E=7885019.198m
N=258296.243m

CURVE #10

Delta=12°01'02"
Center coord's
E=7883269.216m
N=258155.848m

Gov't Lot 1

Gov't Lot 2

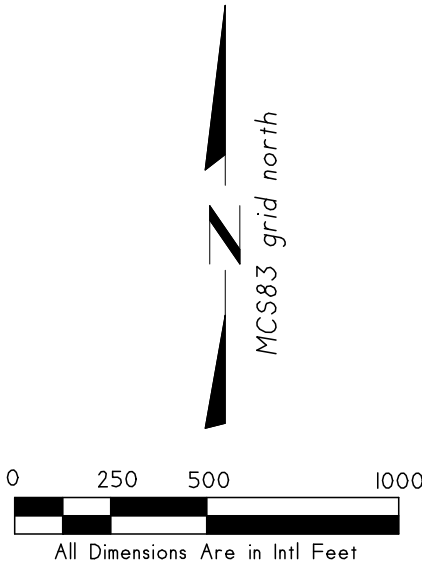
Gov't Lot 3

Gov't Lot 4

Gov't
Lot 1

Gov't Lot 2

Gov't Lot 3



Michigan Dept. of Natural Resources

Chassell to Houghton grade
T54N-R33W Sheet 3 of 3

Surveyed 2004 to 2008
S.J.Szyszkoski PS
drawn 3/21/2013
Field: D.Lampela and R.Wheeler

Bearings and distances are
MCS83 grid International Feet

Stationing shown is at GROUND measure (not grid).

Coordinates are MCS83 meters.

Scale 1"=500'

● Buried MDNR mon on C/L of RR R/W
1"IDx32" I.Pipe with 4" alum. cap
stamped with the station

△ Found centerline from direct evidence
consisting of existing rails or
tie plate impressions at this location.

• Found iron pin, pipe, or other apparent
survey monument.

Sec. cor fd. RR spk.
E=7883711.704m
N=256739.389m

Meander cor.
Fd. 3/4" I.pipe
with fitting.
E=7884879.151m
N=256717.516m

Fd. 1" I.pipe
E=7884763.404m
N=255919.043m

E=7884715.136m
N=255667.242m

Match line B
Match line B

Match line B
Match line B