

**SPUR PHASE 1 SUNGAI
SIPUT**



4.806926°N 101.094919°E

PROCESS OF HDD

1.0) Site photos

PROCESS OF HDD



1) SITE PHOTOS (GAMBAR LOKASI)
 HORIZONTAL DIRECTIONAL DRILLING (HDD), (1 way : 260m)(1st SECTION)

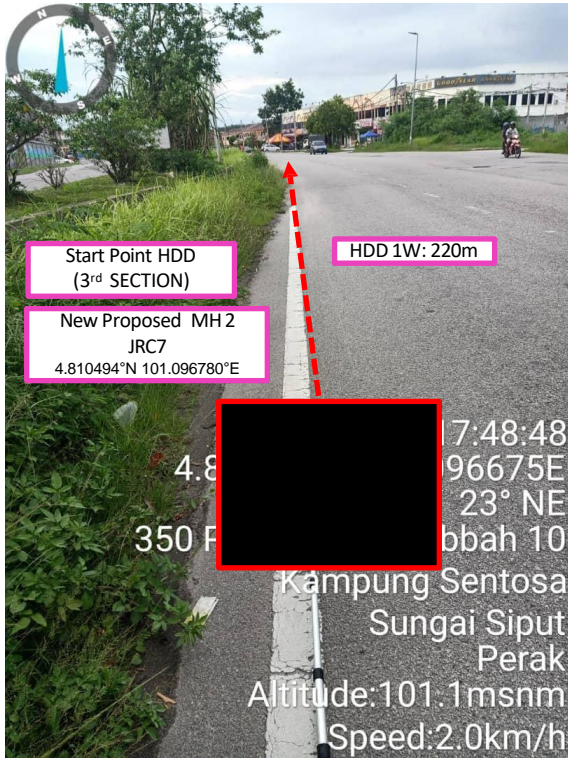


2) SITE PHOTOS (GAMBAR LOKASI)
 HORIZONTAL DIRECTIONAL DRILLING (HDD), (1 way : 200m)(2nd SECTION)



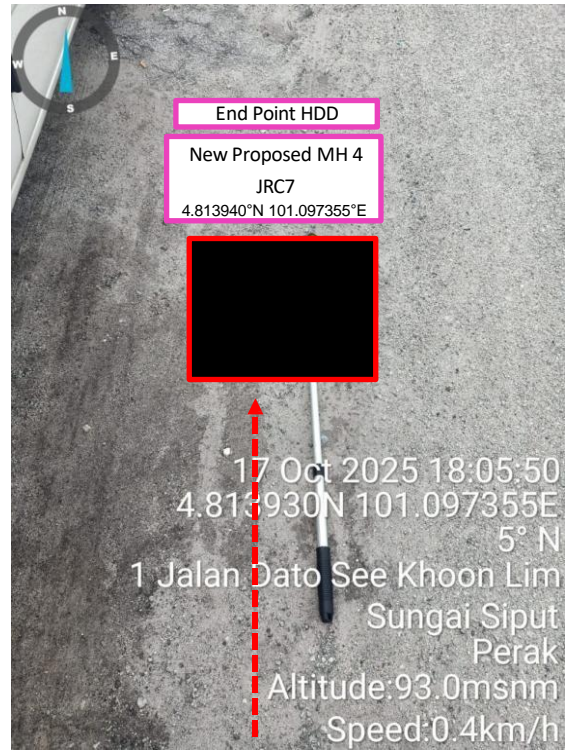
3) SITE PHOTOS (GAMBAR LOKASI)

Horizontal Directional Drilling (HDD), (1 way : 180m)(3rd SECTION)



4) SITE PHOTOS (GAMBAR LOKASI)

Horizontal Directional Drilling (HDD), (1 way : 220m)(4TH SECTION)



5) SITE PHOTOS (GAMBAR LOKASI)

Horizontal Directional Drilling (HDD), (1 way : 185m)(5TH SECTION)



6) SITE PHOTOS (GAMBAR LOKASI)

Horizontal Directional Drilling (HDD), (1 way : 220m)(6TH SECTION)



7) SITE PHOTOS (GAMBAR LOKASI)

Horizontal Directional Drilling (HDD), (1 way : 230m)(7TH SECTION)



8) SITE PHOTOS (GAMBAR LOKASI)

Horizontal Directional Drilling (HDD), (1 way : 220m)(8TH SECTION)



9) SITE PHOTOS (GAMBAR LOKASI)

Horizontal Directional Drilling (HDD), (1 way : 230m)(9TH SECTION)



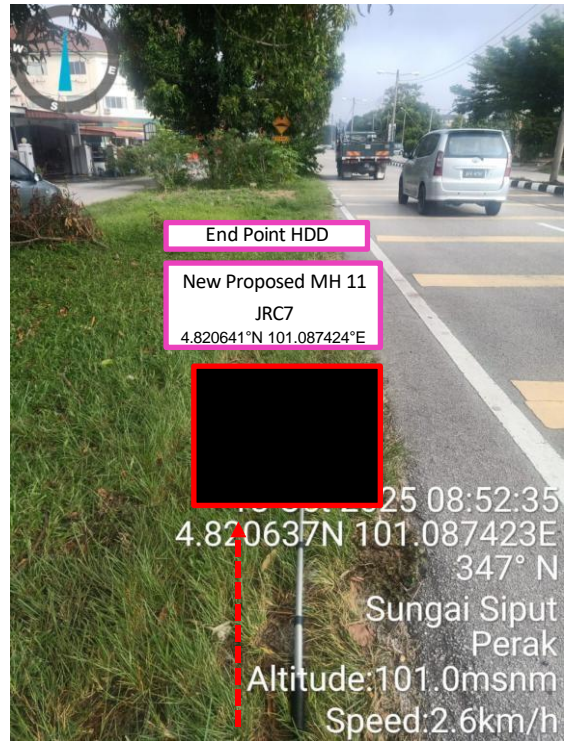
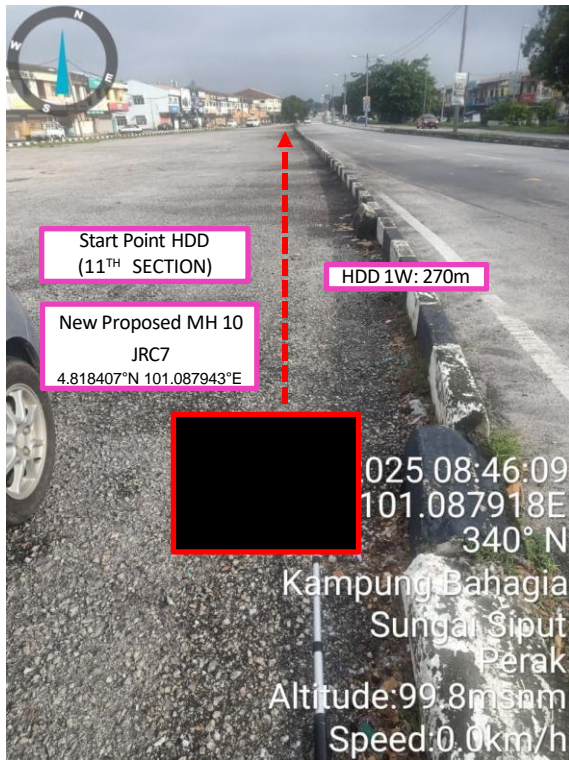
10) SITE PHOTOS (GAMBAR LOKASI)

Horizontal Directional Drilling (HDD), (1 way : 270m)(10TH SECTION)



11) SITE PHOTOS (GAMBAR LOKASI)

Horizontal Directional Drilling (HDD), (1 way : 270m)(11TH SECTION)



NAME	START POINT (LAT, LONG)	END POINT (LAT, LONG)	LENGTH (m)
HDD : 1 WAY (1 ST SECTION)	4.806926, 101.094919	4.808916, 101.096039	270
PROPOSED NEW MH 1	4.808916, 101.096039	-	-
HDD : 1 WAY (2 ND SECTION)	4.808916, 101.096039	4.810494, 101.096780	220
PROPOSED NEW MH 2	4.810494, 101.096780	-	-
HDD : 1 WAY (3 RD SECTION)	4.810494, 101.096780	4.812049, 101.097173	200
PROPOSED NEW MH 3	4.812049, 101.097173	-	-
HDD : 1 WAY (4 TH SECTION)	4.812049, 101.097173	4.813940, 101.097355	230
PROPOSED NEW MH 4	4.813940, 101.097355	-	-
HDD : 1 WAY (5 TH SECTION)	4.813940, 101.097355	4.812550, 101.095812	190
PROPOSED NEW MH 5	4.812550, 101.095812	-	-
HDD : 1 WAY (6 TH SECTION)	4.812550, 101.095812	4.813296, 101.094026	230
PROPOSED NEW MH 6	4.813296, 101.094026	-	-
HDD : 1 WAY (7 TH SECTION)	4.813296, 101.094026	4.814047, 101.092200	230
PROPOSED NEW MH 7	4.814047, 101.092200	-	-
HDD : 1 WAY (8 TH SECTION)	4.814047, 101.092200	4.815102, 101.090646	220
PROPOSED NEW MH 8	4.815102, 101.090646	-	-
HDD : 1 WAY (9 TH SECTION)	4.815102, 101.090646	4.816480, 101.089176	240
PROPOSED NEW MH 9	4.816480, 101.089176	-	-

NAME	START POINT (LAT, LONG)	END POINT (LAT, LONG)	LENGTH (m)
HDD : 1 WAY (10 th SECTION)	4.816480, 101.089176	4.81840, 101.087943	270
PROPOSED NEW MH 10	4.81840, 101.087943	-	-
HDD : 1 WAY (11 th SECTION)	4.81840, 101.087943	4.820641, 101.087424	270
PROPOSED NEW MH 11	4.820641, 101.087424	-	-
TOTAL HDD			2570m