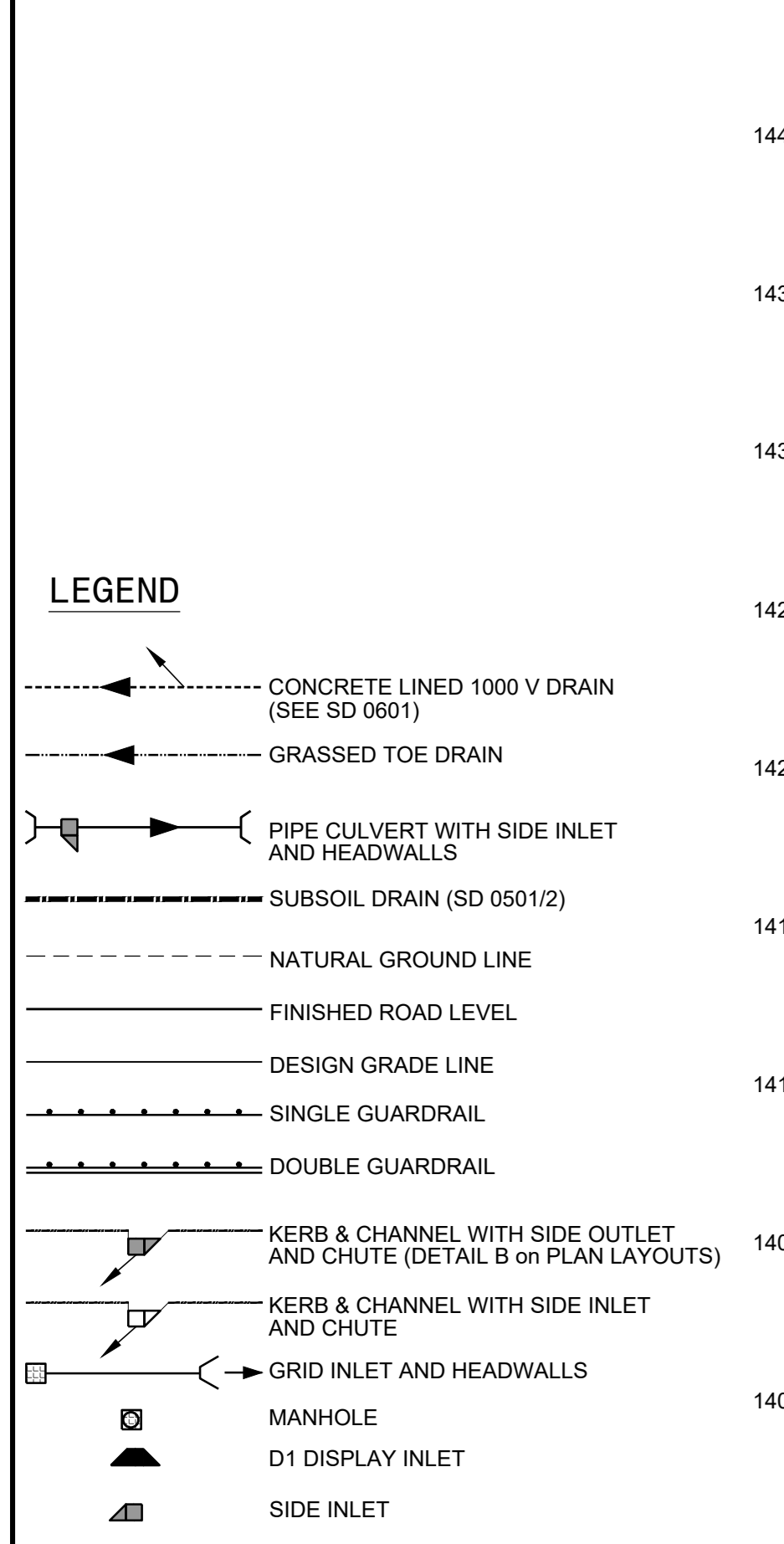
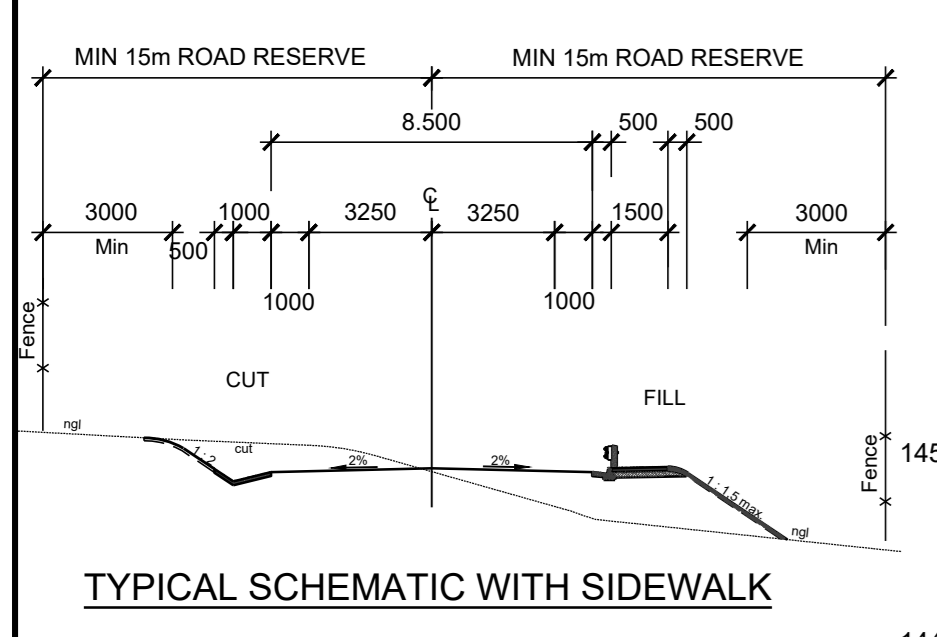
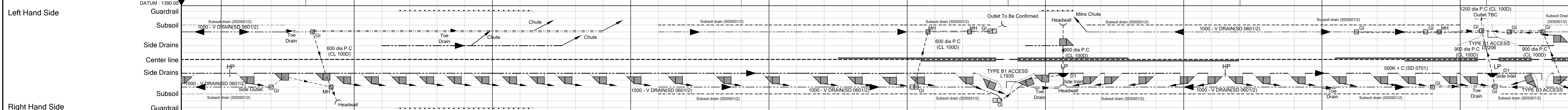
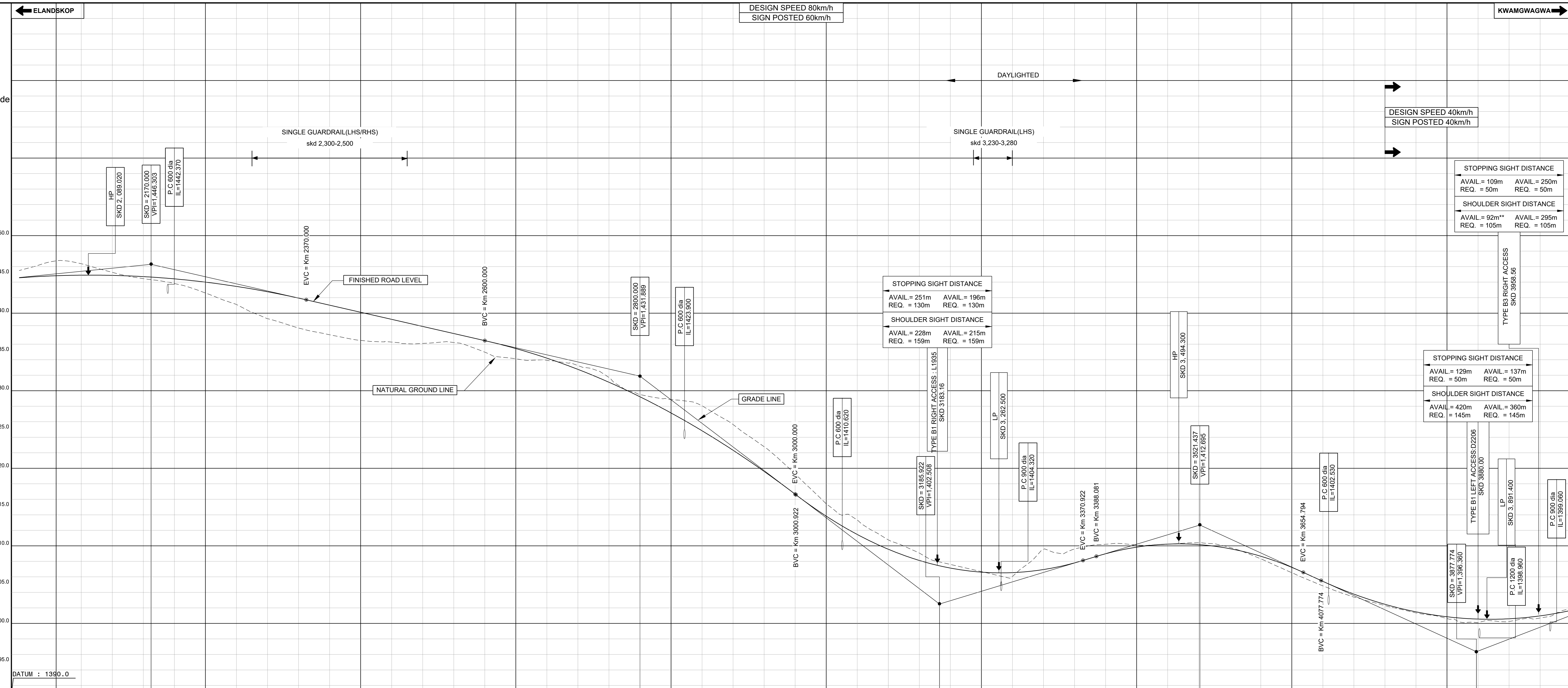


**NOTES:**  
 1) PAVEMENT LAYERS AS PER PDC DEPICTED ON DESIGN PLAN LAYOUT No. C41964 TO C41971+ TYPICAL CROSS SECTIONS / JUNCTION BOX / OPEN DRAIN DETAILS -  
 2) ROAD MARKING TO BE VERIFIED ON SITE. ALL ROAD MARKING IN ACCORDANCE WITH SARTSM (LATEST EDITION)  
 \*\* Due to Minor Side Access location being inside a curve. Relevant warning signs and traffic calming has been designed.



FOR FINAL APPROVAL



Earthwork Quantities	Cut (m³)	3471.657m³	602.834m³	32430.541m³	3333.668m³
	Adj. Cut (m³)	3471.657m³	602.834m³	32430.541m³	3333.668m³
	Fill (m³)	106.063m³	17576.852m³	2254.694m³	614.195m³

Vertical Alignment	V-cl	2000	400.000	2370	2600	400.000	3000.000	3700.000	3270.000	3386.081	266.713	400.000	47.474	5000																																																																																								
	K-val		121.857			79.174		34.744		3.036	35.000	47.474																																																																																										
Grade (%)			1.000		-2.288		-7.613		3.036		4.584		3.841																																																																																									
Finished Road Levels (Top of Surfacing)	-4.250 Metres Left of Centre Line	1446.681	1444.681	1442.681	1440.681	1438.681	1436.681	1434.681	1432.681	1430.681	1428.681	1426.681	1424.681	1422.681	1420.681	1418.681	1416.681	1414.681	1412.681	1410.681	1408.681	1406.681	1404.681	1402.681	1400.681	1398.681	1396.681	1394.681	1392.681	1390.681																																																																								
	PIVOT POINT 0.00 Centre Line	1446.681	1444.681	1442.681	1440.681	1438.681	1436.681	1434.681	1432.681	1430.681	1428.681	1426.681	1424.681	1422.681	1420.681	1418.681	1416.681	1414.681	1412.681	1410.681	1408.681	1406.681	1404.681	1402.681	1400.681	1398.681	1396.681	1394.681	1392.681	1390.681																																																																								
	4.250 Metres Right of Centre Line	1446.681	1444.681	1442.681	1440.681	1438.681	1436.681	1434.681	1432.681	1430.681	1428.681	1426.681	1424.681	1422.681	1420.681	1418.681	1416.681	1414.681	1412.681	1410.681	1408.681	1406.681	1404.681	1402.681	1400.681	1398.681	1396.681	1394.681	1392.681	1390.681																																																																								
Staked Line Ground Levels	Left Hand Edge	1446.681	1444.681	1442.681	1440.681	1438.681	1436.681	1434.681	1432.681	1430.681	1428.681	1426.681	1424.681	1422.681	1420.681	1418.681	1416.681	1414.681	1412.681	1410.681	1408.681	1406.681	1404.681	1402.681	1400.681	1398.681	1396.681	1394.681	1392.681	1390.681																																																																								
	Right Hand Edge	1446.681	1444.681	1442.681	1440.681	1438.681	1436.681	1434.681	1432.681	1430.681	1428.681	1426.681	1424.681	1422.681	1420.681	1418.681	1416.681	1414.681	1412.681	1410.681	1408.681	1406.681	1404.681	1402.681	1400.681	1398.681	1396.681	1394.681	1392.681	1390.681																																																																								
Superelevation	Left Hand Edge																																																																																																					
	Right Hand Edge																																																																																																					
Horizontal Alignment	Horizontal Cardinal Points																																																																																																					
	Radius																																																																																																					
	Tangent Length																																																																																																					
	Curve Length																																																																																																					
Staked Kilometre Distance		2000	2020	2040	2060	2080	2100	2120	2140	2160	2180	2200	2220	2240	2260	2280	2300	2320	2340	2360	2380	2400	2420	2440	2460	2480	2500	2520	2540	2560	2580	2600	2620	2640	2660	2680	2700	2720	2740	2760	2780	2800	2820	2840	2860	2880	2900	2920	2940	2960	2980	3000	3020	3040	3060	3080	3100	3120	3140	3160	3180	3200	3220	3240	3260	3280	3300	3320	3340	3360	3380	3400	3420	3440	3460	3480	3500	3520	3540	3560	3580	3600	3620	3640	3660	3680	3700	3720	3740	3760	3780	3800	3820	3840	3860	3880	3900	3920	3940	3960	3980	4000

AS BUILT	CONTINUED FROM: C41985	DESIGNED BY: M. SINGH
	CONTINUED ON: C41987	CHECKED BY: K. GOVENDER
	CROSS SECTION NO: C41972-C41984	DRAWN BY: M MARAIS
	PLAN NO: C41966-C41968	CHECKED BY: S RAMATHER
	NAIDU CONSULTING - CONSULTING ENGINEER	
	K GOVENDER SIGN	

SUPERVISING ENGINEER	DATE
SUPERVISING AUTHORITY	

DESIGNED BY: M. SINGH	CHECKED BY: K. GOVENDER
DRAWN BY: M MARAIS	CHECKED BY: S RAMATHER
DATE	

Designed by-

NAIDU CONSULTING - CONSULTING ENGINEER  
K GOVENDER SIGN

Department: Transport  
Province of KwaZulu-Natal

UPGRADING OF MAIN RD P402 (HOLY FAMILY CONVENT - KWAMGWAGWA)

PORTION

FROM km 0+000 to km 7+517

LONGITUDINAL SECTION

STAKED KM DISTANCE: KM 2+000 - KM 4+000

SCALE: HOR 1:2000, VERT 1:200

SHEET 2 OF 4

PLAN No: C41986

C41986