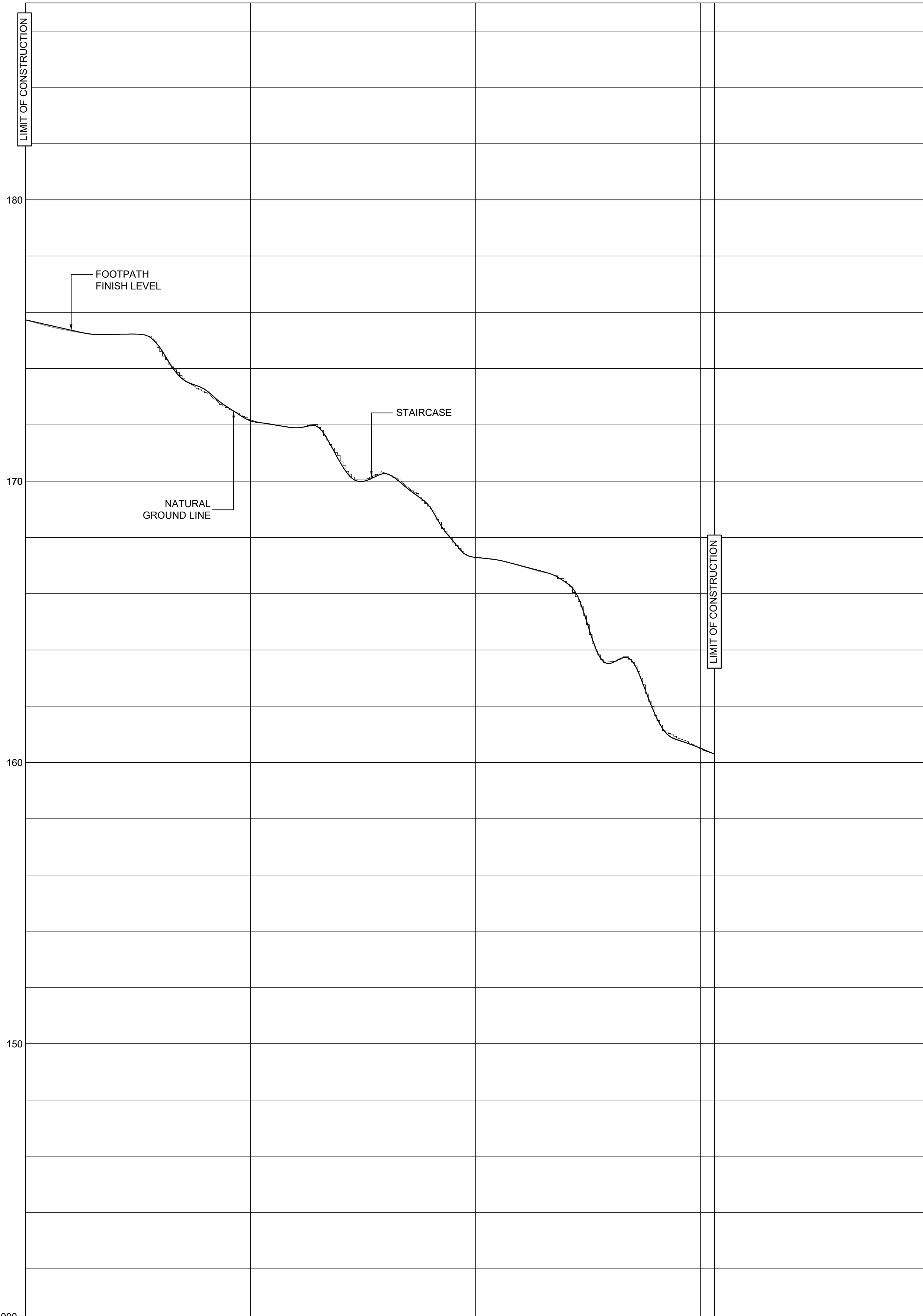
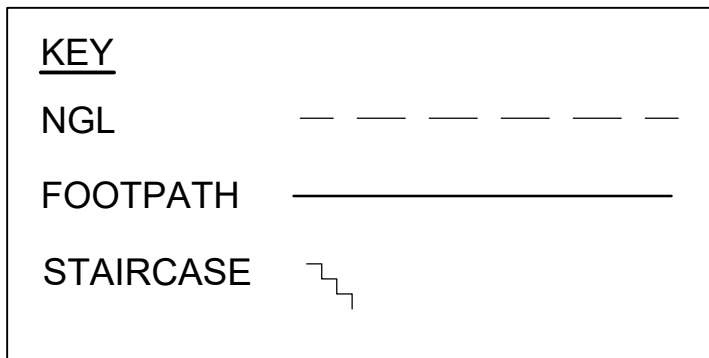
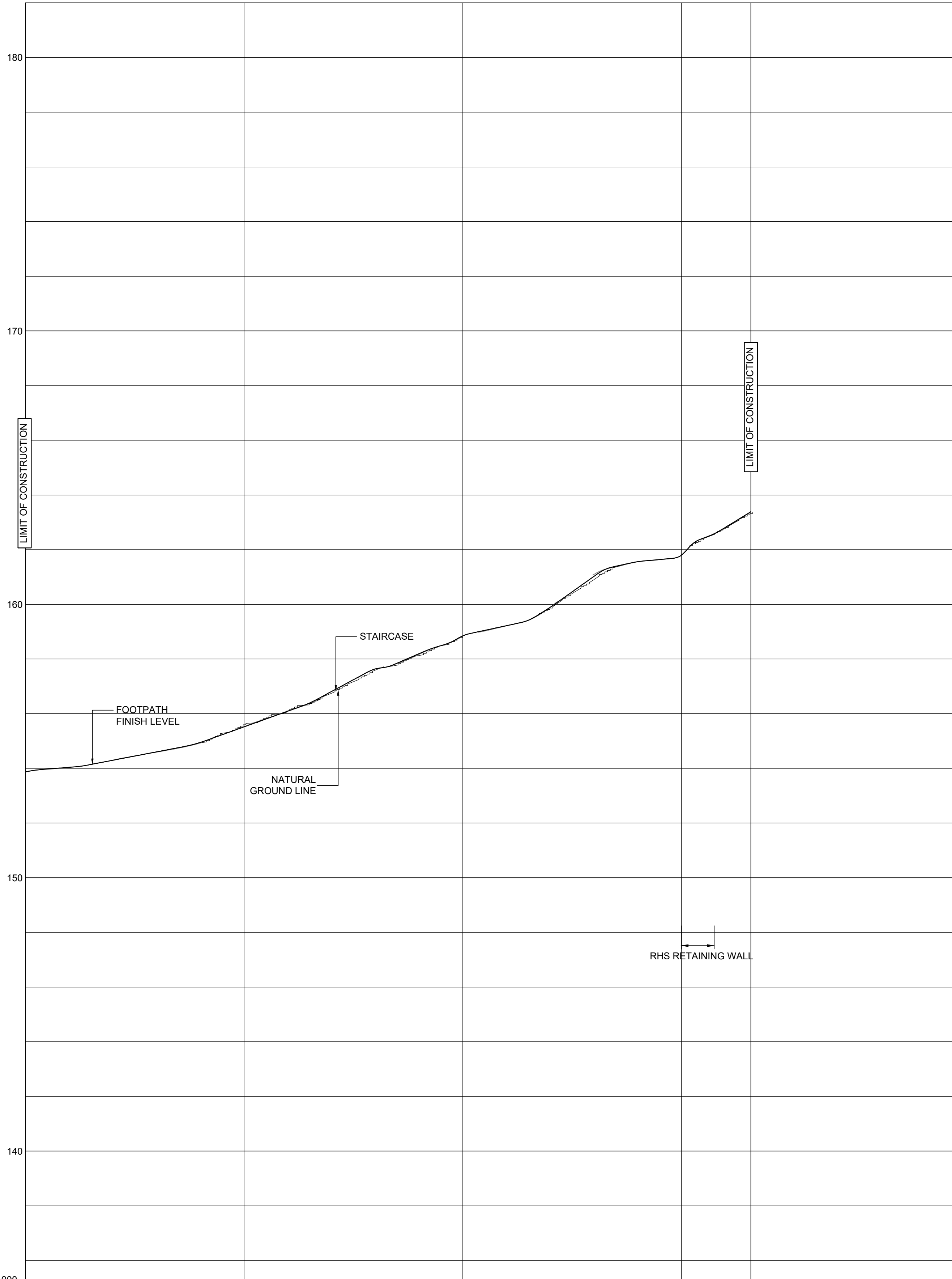
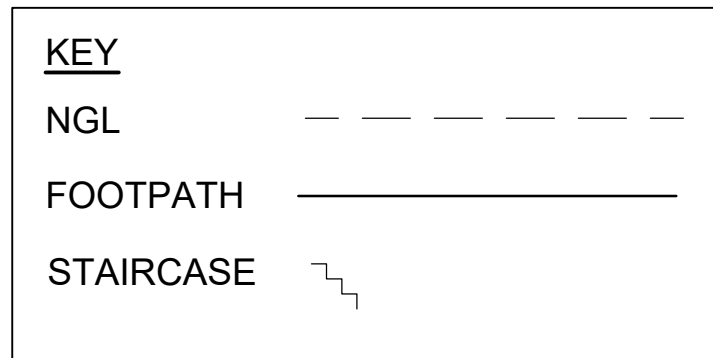




C/L Peg Levels		Datum 140.000										
Vertical Alignment	Design Road Levels	Left Edge	175.245	175.245	175.231							
		Centre Line	175.232	175.232	175.242	175.231						
		Right Edge	175.225	175.235								
	Grades		175.225	175.235	175.222	175.232	175.242	175.231				
	Vertical Curves		175.225	175.235	175.222	175.232	175.242	175.231	172.092	172.102	172.112	172.099
Superelevation		2.000 LHS -2.000 RHS										
Horizontal Curves		Direction 359.36.46	Direction 37.16.24	Direction 359.32.03		Direction 24.25.06		Direction 29.31.06		Direction 6.00.00		
Chainages		0	10			20		30		40		

FOOTPATH 1 : CH0 TO CH 61.244



C/L Peg Levels										Datum 135.000																											
Vertical Alignment	Design Road Levels	Left Edge	153.888	153.873	153.858	154.455	154.465	154.455	154.525	153.873																											
		Centre Line	153.873	153.858	154.450	154.465	154.455	154.525	153.873	153.858																											
		Right Edge	153.858	154.455	154.465	154.525	153.873	153.858	154.455	154.465																											
	Grades		1.000	153.847	2.000	152.907	15.500	154.472	26.000	152.361	33.000	150.475	37.000	150.305	42.000	150.475	46.000	151.356	50.000	151.957	54.000	161.710	58.000	162.274	62.000	162.989	66.000	163.710	70.000	164.431							
	Vertical Curves		1.000	5.000	15.500	26.000	33.000	151.475	37.000	150.305	42.000	150.475	46.000	151.356	50.000	151.957	54.000	161.710	58.000	162.274	62.000	162.989	66.000	163.710	70.000	164.431											
	Superelevation		2.000 LHS																		-2.000 RHS																
Horizontal Curves		Direction 62.54.25		Direction 71.15.43		Direction 78.09.39		Direction 81.12.45		Direction 15.05.02		Direction 24.42.13		Direction 48.13.16		Direction 49.02.04		Direction 58.35.27																			
Chainages		0		10		20		30		40		50		60		66.357																					

FOOTPATH 2 : CH0 TO CH 66.357

GENERAL NOTES

- NOTES:
1. PROVIDE ALL SERVICES PRIOR TO CONSTRUCTION.
 2. ALL LEVELS, DIMENSIONS AND SETTING OUT TO BE VERIFIED ON SITE.
 3. ALL SETTING OUT TO BE UNDERTAKEN BY A REGISTERED PROFESSIONAL LAND SURVEYOR.
 4. ALL SURVEY AND SETTING OUT DATA PROVIDED IS BASED ON (WGS 84).
 5. ALL WORK AREAS TO BE REINSTATED (PREMIUM CONCRETE, ETC.)
 6. MUNICIPALITY TO EXECUTE ALL CONNECTIONS INTO MUNICIPAL LINES.
 7. UNLESS OTHERWISE AGREED WITH ENGINEER, CONTRACTOR TO SUPPLY ENGINEER WITH RESULTS OF COMPACTION TESTS, AND WHEN APPLICABLE, PERCENTAGE STABILIZATION TESTS ON BACKFILL.
 8. ALL WORKS IN ACCORDANCE WITH UMNGEN LOCAL MUNICIPALITY SPECIFICATIONS SANS 1200 AND SANS 1205.
 9. THE ENGINEER REQUIRES 24 HOURS NOTICE FOR ALL INSPECTIONS.
 10. THE DRAWING IS FOR INFORMATION PURPOSES IN ORDER TO ASSIST THE CONTRACTOR FOR THE SETTING OUT AND CONSTRUCTION OF THE WORKS. IT MUST BE NOTED THAT SITE CONDITIONS MAY CHANGE ON SITE AND CONSTRUCTION OF WORKS MAY BE AFFECTED. THE CONTRACTOR IS TO TIMELY INFORM THE ENGINEER OF ANY CHANGES ENCOUNTERED ON SITE PRIOR TO UNDERTAKING ANY WORK.

MATERIAL COMPLIANCE TESTING:

1. RESULTS OF COMPACTION AND CBR TESTS ON INSITU SUB-BASE MATERIAL AND FILLED SUB-BASE MATERIAL MUST BE SUBMITTED TO THE ENGINEER FOR APPROVAL BEFORE THE UPPER LAYER WORKS ARE IMPORTED TO THE SITE AND PLACED.
2. CONCRETE CUBE TEST RESULTS FOR 7 AND 28 DAYS FOR EACH SEPARATE CONCRETE ITEM TO BE SUBMITTED TO THE ENGINEER FOR APPROVAL.
3. PRIOR TO IMPORTING ANY MATERIAL ONTO SITE, MATERIALS CLASSIFICATIONS AND OR ASPHALT MIXES DESIGNING AND OR CONCRETE FOR THE ALL REQUIRED MATERIALS ARE TO BE FIRST SUBMITTED TO THE ENGINEER FOR APPROVAL.
4. ALL MATERIALS TESTING ARE TO BE UNDERTAKEN BY AN ACCREDITED SANAS ACCREDITED LABORATORY.

FREQUENCY OF TESTS:

1. CBR TESTS 1 PER ROW
2. COMPACTION TESTS 1 PER 50m² NOTE: COMPACTION TESTS WILL BE REQUIRED FOR EACH OF THE VARYING LAYER THAT IS INSITU OR IMPORTED AND COMPACTED IN PLACE.

RETAINING WALL:

1. ALL LEVELS AND DIMENSIONS TO BE CHECKED ON SITE.
2. ALL CONCRETE WORK IS TO COMPLY WITH SANS 1200S.
3. CONCRETE GRADE - FOUNDATION 25 / 19
4. ALL FOUNDATION EXCAVATIONS ARE TO BE INSPECTED BY THE ENGINEER PRIOR TO CASTING OF CONCRETE.
5. ALL REINFORCING FRAMES IS TO BE INSPECTED BY THE ENGINEER PRIOR TO CASTING OF CONCRETE.
6. SIX CONCRETE CUBES TO BE TAKEN PER BATCH, THREE CUBES TO BE TESTED AT SEVEN DAYS, THE REMAINDER AT TWENTY EIGHT DAYS. THE RESULTS ARE TO BE FORWARDED TO THE ENGINEER FOR REVIEW AND APPROVAL.
7. SET BOTTOM ROW OF BLOCKS IN WET CONCRETE.
8. ALL BACKFILL TO BE COMPACTED TO 98% MOD AASHTO DENSITY.
9. STORM WATER BEHIND THE TOP OF THE WALL TO BE MANAGED IN SUCH A MANNER AS TO PREVENT SCOUR BEHIND OR OVER-TOPPING OF THE WALL.

SIDEWALKS:

1. ALL LEVELS, DIMENSIONS AND SETTING OUT DETAILS TO BE VERIFIED BY CONSULTANT AND CONTRACTORS ON SITE PRIOR TO CONSTRUCTION.
2. THE POSITIONS OF DRIVEWAY ACCESSSES ARE TO BE DETERMINED IN CONSULTATION WITH THE LOCAL COMMUNITY RESIDENTS AS EXACT POSITIONS MAY VARY ON SITE.
3. CONCRETE WEDGES ACCORDING TO CIVIL ENGINEERS DETAILS AND SPECIFICATIONS MAY BE USED IN PLACE OF SURFACED BELL-MOUTHS FOR ACCESS SERVING SINGLE RESIDENTIAL PROPERTIES.
4. EXISTING ROAD SIGNS, SERVICES AND FENCING AFFECTED BY CONSTRUCTION ARE TO BE REMOVED/RELOCATED ON INSTRUCTION BY THE CIVIL ENGINEER.
5. NEW FILLS AND EXPOSED CUTS ARE TO BE TOP-SOILED AND VEGETATED IMMEDIATELY AFTER CONSTRUCTION TO PREVENT EROSION.

KERBS:

1. ALL CAST IN SITU CONCRETE IS TO BE GRADE 20 / 10.
2. THE SURFACES OF THE CAST IN SITU CHANNEL / FILET ARE TO HAVE A STEEL FLOAT FINISH.
3. EXPANSION JOINTS TO BE FORMED THROUGH THE KERBING, CHANNEL FILET AND FOUNDATIONS AT INTERVALS NOT EXCEEDING 18.0m.
4. CONTRACTION JOINTS TO BE FORMED THROUGH THE CHANNEL / FILET AT 2.0m INTERVALS.
5. WHERE KERB RADIUS IS LESS THAN 20m THE KERB LENGTH SHALL BE 300mm WHERE THE KERB RADIUS IS LESS THAN 2m THE KERBING SHALL BE CAST IN SITU.
6. PRECAST KERBS ARE TO BE LAID WITH A 13mm GAP BETWEEN KERBS, WHICH SHALL THEN BE FILLED WITH A CEMENT MORTAR.
7. EXTRUDED KERBS:
 - a) ASPHALT KERBS
 - b) CONCRETE KERBS
8. ASPHALT TO COMPLY WITH THE REQUIREMENTS OF SANAS.
9. THE CONCRETE IS TO HAVE A CUBE STRENGTH OF 20MPa AT 28 DAYS.
10. THE CONCRETE MIX DESIGN IS TO BE APPROVED BY THE ENGINEER.
11. CONTRACTION JOINTS TO BE FORMED AT 2.0m INTERVALS.
12. EXPANSION JOINTS ARE TO BE FORMED AT 18.0m INTERVALS ON STRAIGHTS AND 2.0m INTERVALS WHERE THE KERB RADIUS IS LESS THAN 50m.

SCALE (mm)



REV	DESCRIPTION	BY	DATE
T1	ISSUED FOR TENDER	A.D	11/02/2026

REV	DESCRIPTION	BY	DATE
T1	ISSUED FOR TENDER	A.D	11/02/2026

Professional person : L. SMITH Pty Ltd Eng Registration : 201370301

CLIENT



eTHEKWINI MUNICIPALITY

PROJECT

PROVISION OF INCREMENTAL SERVICES WITHIN THE NORTHERN REGION: SHEMBE EKUPHAKAMENI WARD 55

DETAILS

FOOTPATHS 1 AND 2 LONGITUDINAL SECTION



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DESIGNED	LS	COPYRIGHT RESERVED	SCALE
DRAWN	A.D		H : 250 V : 100
APPROVED	LS	PL	DATE 11/02/2026

CONTRACT No. 4V-36930

DRAWING No. 631/SHEMBE/901-1 REV T1

FOR TENDER