

WHEN RAIN IS FORECAST, CONTOUR DRAINS TO BE INSTALLED

SLOPE OF SITE (%)	SPACING OF CONTOUR DRAINS (m)
5	50
10	40
15	30

CONSTRUCTION METHODOLOGY

- (1) CONSTRUCT TEMPORARY METALLED ACCESSWAY
- (2) CONSTRUCT NEW SW PIPELINE FROM HARPERS RD TO POND 3 (TO ACT AS A TEMPORARY CLEANWATER DIVERSION)
- (3) CONSTRUCT TEMPORARY SEDIMENT PONDS. PREPARE A FLOCCULENT MANAGEMENT PLAN, TO BE APPROVED BY ENVIRONMENT WAIKATO WITHIN 2 WEEKS OF PONDS BECOMING OPERATIONAL
- (4) CONSTRUCT DIVERSION CHANNELS AND CLEAN WATER DIVERSIONS
- (5) STOCKPILE TOPSOIL ON-SITE AND PLACE SILT FENCE IMMEDIATELY BELOW IT ON LOWER CONTOUR
- (6) UNDERTAKE EARTHWORKS
- (7) CONSTRUCT CONTOUR DRAINS WHEN REQUIRED
- (8) PROGRESSIVELY RE-SPREAD TOPSOIL WHEN FINISHED LEVELS ARE REACHED AND SPREAD GRASS SEED TO ALL TOPSOILED AREAS.
- (9) REMOVE SEDIMENT CONTROL DEVICES AFTER ALL AREAS HAVE BEEN STABILISED. & APPROVAL HAS BEEN OBTAINED FROM ENVIRONMENT WAIKATO.

POND 1 - Catchment Area = 4.95 Ha
 POND 2 - Catchment Area = 1.60 Ha
 POND 3 - Catchment Area = 3.84 Ha
 POND 4 - Catchment Area = 1.0 Ha
 11.39 Ha

KEY

- CLEAN WATER CHANNEL/BUND
- DIRTY WATER CHANNEL/BUND
- SILT FENCE
- EX MAJOR CONTOUR (5m INTERVALS)
- EX MINOR CONTOUR
- PROP MAJOR CONTOUR (5m INTERVALS)
- PROP MINOR CONTOUR

NOTES

ALL EROSION AND SEDIMENT CONTROL MEASURES NOT SPECIFICALLY DETAILED ARE TO BE INSTALLED AND MAINTAINED AS A MINIMUM STANDARD IN ACCORDANCE WITH ENVIRONMENT WAIKATO TECHNICAL PUBLICATION FOR "EROSION AND SEDIMENT CONTROL GUIDELINES FOR LAND DISTURBING ACTIVITIES IN THE WAIKATO REGION".

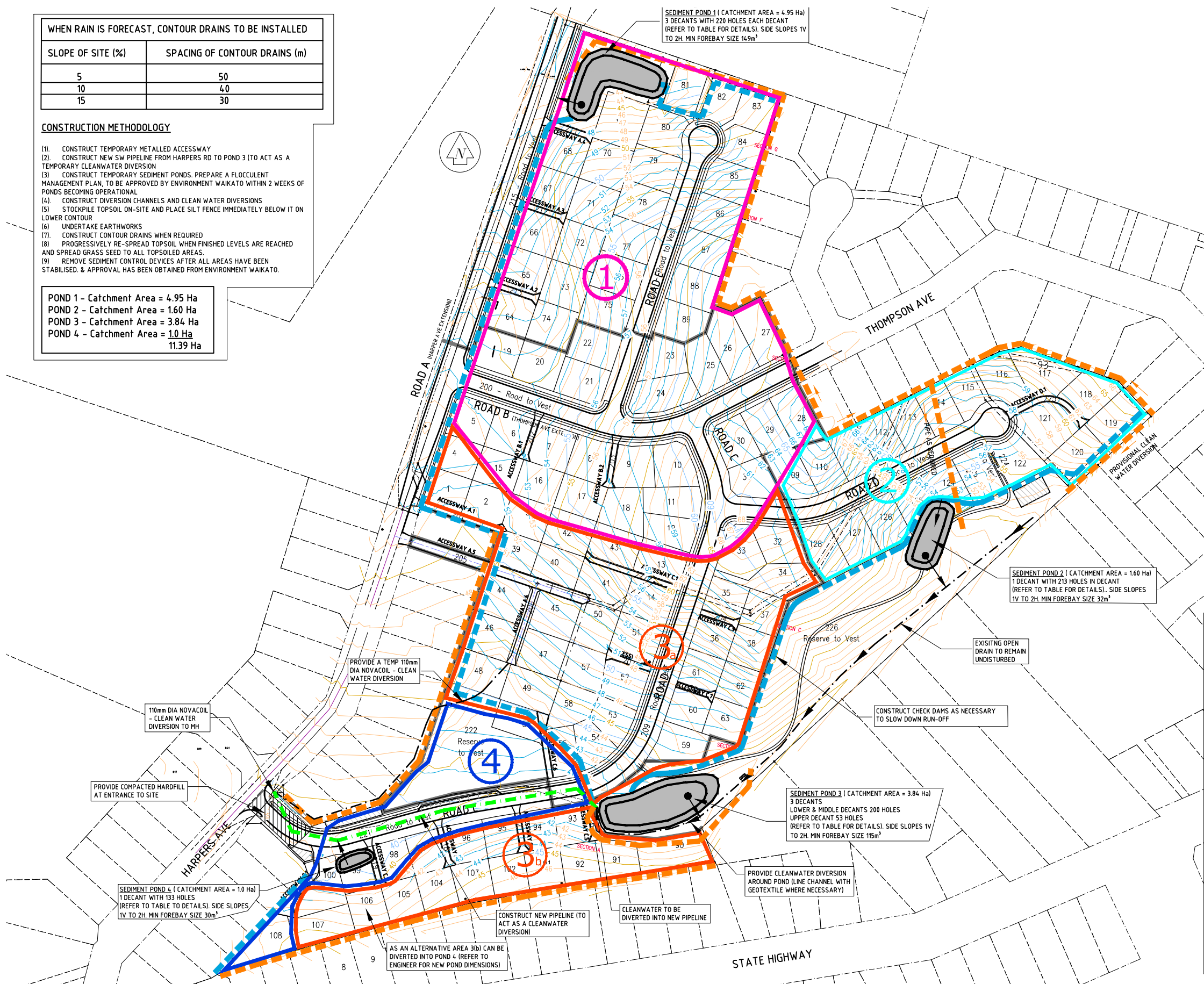
A COPY OF THIS DOCUMENT IS TO BE KEPT ON SITE.

AREAS NOT ACTIVELY BEING EARTHWORKED ARE TO BE ISOLATED AND ARE TO REMAIN UNDISTURBED.

COMPLETED AREAS ARE TO BE STABILISED ON COMPLETION.

THE DEFINITION OF STABILISED IS "AN AREA INHERENTLY RESISTANT TO EROSION SUCH AS ROCK (EXCLUDING SEDIMENTARY ROCK), OR RENDERED RESISTANT BY THE APPLICATION OF AGGREGATE, GEOTEXTILE, VEGETATION OR MULCH. WHERE VEGETATION IS TO BE USED ON A SURFACE THAT IS NOT OTHERWISE RESISTANT TO EROSION, THE SURFACE IS CONSIDERED STABILISED ONCE AN 80% VEGETATION COVER HAS BEEN ESTABLISHED.

SUMMARY OF SEDIMENT POND DETAILS				
	AREA (m ²)	DEPTH (m)	VOL (m ³)	COMMENTS
POND 1				CATCHMENT 4.5 Ha
BASE OF POND	940	0	0	
BOTTOM DECANT	1052	0.5	498	TOP OF DEAD STORAGE
MIDDLE DECANT	1122	0.8	824	
UPPER DECANT	1194	1.1	1171	
TOP OF MH RISER	1269	1.4	1541	TOP OF LIVE STORAGE
SPILLWAY	1346	1.7	1933	
TOP OF EMBANKMENT	1425	2	2349	
POND 2				CATCHMENT 1.6 Ha
BASE OF POND	360	0	0	
BASE OF DECANT	430	0.5	197	TOP OF DEAD STORAGE
TOP OF RISER	540	1.2	536	
SPILLWAY	590	1.5	706	
TOP OF EMBANKMENT	643	1.8	891	
POND 3				CATCHMENT 3.84 Ha
BASE OF POND	710	0	0	
LOWER DECANT	808	0.5	379	TOP OF DEAD STORAGE
MIDDLE DECANT	869	0.8	631	
UPPER DECANT	933	1.1	901	
TOP OF MH RISER	999	1.4	1191	TOP OF LIVE STORAGE
SPILLWAY	1067	1.7	1501	
TOP OF EMBANKMENT	1138	2	1832	
POND 4				CATCHMENT 1.0 Ha
BASE OF POND	135	0	0	
BASE OF DECANT	179	0.5	79	TOP OF DEAD STORAGE
SPILLWAY	252	1.2	229	
TOP OF EMBANKMENT	287	1.5	310	TOP OF LIVE STORAGE



 Search Consulting Ltd Consultant Engineers 41 Sylvan Park Avenue, Milford, AUCKLAND 0620 Phone (09) 489-1893 Email: office1@searchconsulting.co.nz	PROJECT PROPOSED SUBDIVISION AT HARPERS AVENUE OTOROHANGA, FOR NORTHERN KING COUNTRY DEVELOPMENTS LTD	TITLE EROSION AND SEDIMENT CONTROL PLAN	DRAWN R.S APPROVED R.S DATE 10/2016 CAD FILE: 00342-P23a JOB NO 00342 DRG NO P23
	SCALE 1:1250 (A1) 1:2500 (A3)		REV A
	GENERAL REVISIONS AMENDMENT		DATE 01/2018
	ORIGINAL SCALE (mm) 5 0 5 10 15 20 25 (A3)		