



SCHEDULE OF DRAWINGS							
SHEET #	TITLE		REV				
00	COVER SHEET		В				
C00	GENERAL NOTES		А				
C01	GENERAL NOTES		А				
C02	OVERALL PLAN		А				
C03	PLAN		А				
C04	ELEVATION		В				
C05	CROSS SECTIONS		А				
C06	TYPICAL WALL SECTIONS		В				
C07	TYPICAL WALL SECTIONS 2		В				
C08	TYPICAL ROAD SECTION & DETAILS		В				
C09	TYPICAL STAIR DETAILS		Α				

PARKLANE INFRASTRUCT LTD SILVERSREAM ROAD WIDENING **CROFTON DOWNS**

IMPORTANT NOTE: PRODUCER STATEMENTS

PS4 WILL NOT BE ISSUED AT COMPLETION OF WORKS UNLESS ALL REQUIRED TESTS AND INSPECTIONS HAVE BEEN NOTIFIED TO COOK COSTELLO AND COMPLETED DURING CONSTRUCTION

FOR CONSENT

JOB NO: 13037-004 DATE: 17/12/2020 **ISSUE: CONSENT REVISION: B**

GENERAL NOTES:

0. THESE NOTES SHOULD BE READ IN CONJUCTION WITH THE SPECIFICATION REPORT

- 1. REFER ARCHITECT'S DRAWINGS FOR DIMENSIONS, UNLESS NOTED OTHERWISE. DIMENSIONS TO BE CONFIRMED ON SITE PRIOR TO FABRICATION.
- 2. IF MAXIMUM HEIGHT DIMENSIONS VARY FROM THAT SHOWN CONTACT ENGINEER IMMEDIATELY. IT IS THE CONTRACTOR'S RESPONSIBILITY FOR THE SET OUT SITE AND DETERMINING ACTUAL WALL HEIGHTS AS THESE MAY VARY FROM THAT SHOWN
- 3. STRUCTURAL DRAWINGS SHALL BE READ IN CONJUNCTION WITH THE SPECIFICATIONS, ARCHITECTURAL, CIVIL AND ENGINEERING SERVICES DOCUMENTS.
- 4. UNLESS OTHERWISE NOTED ALL LEVELS ARE IN METERS, AND ALL DIMENSIONS ARE IN MILLIMETERS, AND SHALL BE CHECKED BY CONTRACTOR PRIOR TO CONSTRUCTION.
- 5. DIMENSIONS SHALL NOT BE OBTAINED BY SCALING FROM DRAWINGS.
- 6. ALL DISCREPANCIES SHALL BE REFERRED TO THE ARCHITECT OR ENGINEER FOR RESOLUTION BEFORE PROCEEDING WITH THE WORK.
- 7. ALL MATERIAL AND WORKMANSHIP SHALL BE ON ACCORDANCE WITH THE CURRENT CODES OF PRACTICE EXCEPT WHERE VARIED BY THE SPECIFICATION AND/OR DRAWINGS
- 8. WHERE PROPRIETY PRODUCTS ARE SPECIFIED IN THE DOCUMENTS THE CONTRACTOR MAY SUBMIT AN ALTERNATIVE PRODUCT OF APPROVAL.
- 9. ENGINEER REQUIRES 24 HOURS NOTICE BEFORE ANY INSPECTION (REFER TO STRUCTURAL CALCULATIONS FOR SCHEDULE OF INSPECTIONS).

CONCRETE:

- 1. ALL CONCRETE WORK SHALL COMPLY WITH THE REQUIREMENTS OF NZS3109:1997
- 2. CONCRETE SHALL HAVE A 28 DAY STRENGTH OF 25MPa
- 3. MAXIMUM SLUMP TO BE 100mm UNLESS NOTED OTHERWISE
- 4. THE CONCRETE PRODUCER IS RESPONSIBLE FOR THE MIX DESIGN AND PROPERTIES TO NZS 3104.

FILL SPECIFICATION:

- 1. SITE TO BE CLEARED OF ALL TOPSOIL AND ANY ORGANIC MATERIAL THEN CUT TO A SERIES OF LEVEL BENCHES.
- 2. GEOTECHNICAL ENGINEER TO INSPECT PRIOR TO ANY FILL PLACEMENT AND APPROVE THE EXCAVATION PRIOR TO CONCRETE PLACEMENT.
- 3. FILL MATERIAL TO BE CRUSHED ROCK TOPCOURSE MATERIAL FREE OF ORGANIC MATERIAI
- 4. BACKFILLING MATERIAL TO NZBC E1/AS1: SURFACE WATER. 3.9.5 ACCEPTABLE MATERIALS. BACKFILL FRICTION ANGLE TO BE 30°. TO BE CONFIRMED BY ENGINEER ON SITE.

	TIMBER HAZARD CLASSIFICATIONS						
HAZARD CLASS	SERVICE CONDITIONS	TYPICAL USERS					
H1.2	PROTECTED FROM WEATHER, BUT WITH A RISK OF MOISTURE CONTENT CONDUCTIVE TO DECAY	WALL FRAMING - SEE NZS3604					
H3.2	PERIODIC WETTING, NOT IN CONTACT WITH THE GROUND, MORE CRITICAL END USES	DECKS, PERGOLAS, EXTERNAL BEAMS, POST NOT IN GROUND					
H4	GROUND CONTACT, OR CONDITIONS OF SEVERE OR CONTINUOUS WETTING	FENCE POSTS, LANDSCAPING TIMBER NOT REQUIRING A BUILDING CONSENT					
H5	GROUND CONTACT, OR CONDITIONS OF SEVERE OR CONTINUOUS WETTING, WHERE USES ARE CRITICAL AND WHERE A HIGHER LEVEL OF PROTECTION THAN H4 IS REQUIRED	HOUSE PILES AND POLES, CRIB WALLING, POSTS IN GROUND FOR DECKS VERANDAS, PERGOLAS					

5. COMPACT IN MAXIMUM LAYERS OF 150mm THICK WITH A 2 TONNE ROLLER UNTIL NO FURTHER COMPACTION IS DISCERNIBLE - TRACK ROLLING WITH A DIGGER IS NOT ACCEPTABLE. TOP WITH 150MM LAYER OF IMPERVIOUS CLAY BELOW TOPSOIL.

TIMBER:

- 1. ALL PROPRIETY FIXINGS (i.e., JOIST HANGERS, STRAPS) SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS' RECOMMENDATIONS, WITH THE CORRECT NUMBER OF NAILS OR FIXING TO ACHIEVE THE REQUIRED CAPACITY.
- 2. ALL BOLTS SHALL BE INSTALLED ALONG THE MEMBER'S CENTERLINE. A MINIMUM EDGE DISTANCE OF 80mm SHALL BE MAINTAINED UNLESS NOTED OTHERWISE.
- 3. TIMBER SHALL BE PROTECTED FROM CONCRETE WITH DPM, OVERHANGING THE EDGES BY AT LEAST 6mm.
- 4. CONSTRUCTION POLES OR PILES, ROUND: CORSICAN PINE OR RADIATA PINE TO THE DESIGN DATA ASSIGNED IN NZS 3603 AND COMPLYING WITH NZS 3605 FOR: FORM
 - DIMENSIONS TO NZS 3605 TABLE 1 OR 2
 - STRENGTH AND DENSITY
 - BRANDING
- 5. ALL PILES SHALL BE TREATED TO HAZARD CLASSIFICATION H5 TO NZS3640. ALL STRUCTURAL TIMBER FOR EXTERNAL USE SHALL BE TREATED TO HAZARD CLASSIFICATION H3.2.
- 6. ALL OTHER TIMBER TO BE HAZARD CLASSIFICATION H1.2 UNLESS NOTED OTHERWISE
- 7. ALL CUTS AND NOTCHES IN THE PILES SHALL BE TREATED WITH 'ENSEAL' TIMBER PRESERVATIVE.
- 8. TAKE ADEQUATE PRECAUTIONS AGAINST MECHANICAL DAMAGE TO PILES AND POLES DURING HANDLING AT ALL STAGES OF PRODUCTION, TRANSPORT AND PLACING. USE FABRIC SLINGS OR PROVIDE ADEQUATE PROTECTION WHEN USING WIRE / CHAIN STROPS.
- 9. ANY POLES WITH INDENTATION DAMAGE 6MM OR MORE DEEP OVER 20% OR MORE OF THE POLE CIRCUMFERENCE OR MORE THAN 12MM DEEP AT ANY OTHER POINT OR ANY POLES WITH OTHER INDENTATIONS OR ABRASION SUCH AS FORKLIFT OR CHAINSAW DAMAGE GREATER THAN 12MM DEEP AT THE POINT OF DAMAGE ARE TO BE REJECTED
- 10. SUPPLY POLES FROM STOCK OR ORDER AHEAD TO ENSURE THAT FIXING OF THE TREATMENT SALTS IS COMPLETE.
- 11. RETAIN A SUITABLY QUALIFIED PERSON TO VERIFY THE DIMENSIONS AND LEVELS SHOWN ON THE SITE PLAN AND OTHER DRAWINGS. AGREE ANY ADJUSTMENTS NECESSARY BEFORE PROCEEDING WITH THE SET OUT. LOCATE EACH POLE WITH A PEG AND OFFSET PEGS TO ESTABLISH OFFSET LINES NECESSARY TO REFERENCE THEIR LOCATION WHILE BORING.
- 12. LOCATE PILES AND HOLES WITHIN TOLERANCES BASED ON THE POLE CENTRE LINE
- 12.1. DEVIATION FROM LINE IN PLAN: ± 10MM/M LENGTH TOTAL EXCEPT THAT THERE SHALL BE NO PROJECTION OVER A BOUNDARY.
- 12.2. DEVIATION OF HEAD OF PILE FROM HORIZONTAL LINE: 10MM.
- 13. TIMBER INFILL TO BE DRESSED HALF-ROUND SECTION TO NZS 3603 AND NZS 3604. TREATMENT OF TIMBER TO NZS 3602, TABLE 1A, H5 CCA (PRESERVATIVE CODE 01 OR 02) AND TO SHOW IDENTIFICATION TO NZS 3605 CLAUSE 5.9 BRANDING. TIMBER TO CARRY VISIBLE NZTPC IDENTIFICATION BRANDS
- 14. ALL EXTERNAL AND EXPOSED BOLTS, WASHERS AND NAILS TO BE TYPE 304 STAINLESS STEEL AS PER SECTION 4, NZS3604:2011.
- 15. INSTALLATION OF PILES:
 - 15.1. DRILL HOLES FOR THE POLES TO THE DEPTHS AND DIAMETER AS SHOWN ON THE DRAWINGS. IF ADEQUATE BEARING IS NOT OBTAINED OR ROCK IS ENCOUNTERED, OBTAIN WRITTEN INSTRUCTIONS ON REMEDIAL ACTION IMMEDIATELY AFTER BORING RECORD THE DEPTH, THEN SET A SOLID COVER OVER EACH HOLE LARGE ENOUGH TO PREVENT EDGE DAMAGE. AND STOP THE INGRESS OF DIRT AND KEEP THE HOLE DRY. RECORD DEPTH OF HOLES AFTER COMPLETION OF DRILLING. CLEAN OUT ANY DEBRIS IMMEDIATELY PRIOR TO PLACEMENT OF PILES.
 - 15.2. PLACE THE POLES, THICKER END IN THE GROUND, LOCATING THEM ACCURATELY AND TO THE CORRECT ALIGNMENT AND BATTER. THE POLES SHALL BE CONCENTRIC IN THE HOLES. REFER TO SELECTIONS FOR BATTER.
- 15.3. REMOVE ANY WATER FROM THE POLE HOLES BY BAILING OR PUMPING PRIOR

TO CONCRETE PLACEMENT. WHERE WATER CANNOT BE REMOVED NOTIFY THE ENGINEER, AND AGREE A TREMMIE CONCRETE APPROACH. IN ALL OTHER CASES, PLACE CONCRETE IN THE HOLES AND ALLOW IT TO FREE FALL. SECURE THE BASE OF THE POLES IMMEDIATELY WITH WELL RODDED CONCRETE, AND MAINTAIN ACCURATE ALIGNMENT WITH TEMPORARY BRACING. FILL THE POLES TO WITHIN 100MM OF THE TOP OF THE HOLE RAISE POLES SUFFICIENTLY TO ALLOW 75MM OF CONCRETE TO ENTER THE BOTTOM OF THE HOLES. REFER TO THE CONCRETE SECTIONS FOR PLACEMENT AND STRENGTH OF CONCRETE TO BE USED. TYPICALLY HOLES WILL BE FILLED WITH CONCRETE TO WITHIN 100MM OF TOP OF HOLE.

- THE DRAWINGS.
- AND BRACES TO POLES.

1 PROPPING

SAFETY STATEMENT:

- 13

15.4. TRIM TOPS OF PILES AND POLES HORIZONTALLY OR TO DETAIL SHOWN ON

15.5. LAY HORIZONTAL TIMBER RAILS ENSURING SPECIFIED MINIMUM THICKNESS IS MAINTAINED, PARTICULARLY NEAR THE BASE OF THE WALL. RAILS TO BE MULTI-SPAN WITH THE ENDS CLOSE FITTING WITH JOINTS BEHIND THE PILE. STAGGER JOINTS TO ALTERNATE POSTS. FIX 50MM THICK RAILS WITH 100MM GALVANISED NAILS TO EACH POST. USE 150MM NAILS FOR THICKER RAILS.

15.6. APPLY PRESERVATIVE LIBERALLY TO ALL CUT SURFACES TO NZS 3640 APPENDIX B4 TO MAINTAIN THE INTEGRITY OF THE TREATMENT.

15.7. APPLY PROTECTIVE MULTI-PURPOSE GREASE OR SOLVENT-BASED FILLED BITUMEN COATING TO HOT DIP GALVANISED BOLT HOLES, BOLTS AND FASTENERS IN CONTACT WITH H5 TREATED TIMBER, WHEN FIXING BEAMS

1.1. EXISTING LOAD BEARING STRUCTURAL ELEMENTS SHALL BE ADEQUATELY PROPPED PRIOR TO REMOVING ANY SUPPORTING STRUCTURE. PROPPING SHALL REMAIN UNTIL NEW SUPPORTING STRUCTURE IS INSTALLED AS PER THE ENGINEER'S DRAWINGS AND REQUIREMENTS.

1.2. THE STABILITY OF THE STRUCTURE DURING CONSTRUCTION IS THE RESPONSIBILITY OF THE BUILDER.

TEMPORARY WORK AND PROPPING IS THE RESPONSIBILITY OF THE BUILDER.

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EXISTING SERVICES

1. THE LOCATIONS OF UNDERGROUND SERVICES SHOWN ON THESE DRAWINGS ARE APPROXIMATE ONLY AND BASED ON INFORMATION PROVIDED BY LOCAL AUTHORITIES AND/ OR NETWORK UTILITY OPERATORS.

NO LIABILITY IS ACCEPTED FOR THE ACCURACY OR COMPLETENESS OF THE PLOTTED SERVICES. OTHER UNDERGROUND OR OVERHEAD SERVICES MAY EXIST THAT ARE NOT SHOWN ON THE DRAWINGS.

- 2. PRIOR TO COMMENCING ANY WORK INVOLVING EXCAVATION OR PENETRATIONS (PILING, DRILLING ETC) THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL SERVICES USING NETWORK UTILITY AUTHORITY DATA AND HAVE ALL SERVICES MARKED OUT ACCURATELY ON SITE USING UTILITY AUTHORITY ON SITE LOCATION SERVICES PRIOR TO COMMENCING ANY GROUND DISTURBANCE.
- 3. PRIOR TO COMMENCING ANY EXCAVATION OR PENETRATION WORK IN ANY PART OF A LEGAL ROAD OR OTHER PUBLIC AREA THE CONTRACTOR SHALL APPLY FOR AND UPLIFT CORRIDOR ACCESS PERMITS AND MEET ALL ASSOCIATED REQUIREMENTS OF THE CONTROLLING AUTHORITY.
- 4. PRIOR TO COMMENCING PIPE, CABLE OR DUCT LAYING ACTIVITIES, THE CONTRACTOR SHALL POTHOLE ALL POTENTIAL SERVICE CONFLICTS AND ANY UNLEVELLED MAINS AT CONNECTION POINTS AND NOTIFY THE ENGINEER, TO ALLOW HIM/HER TO ACCURATELY LOCATE AND LEVEL THE SERVICES EXPOSED AND IF NECESSARY UNDERTAKE DESIGN MODIFICATIONS TO THE ALIGNMENT OR LONG SECTION OF THE NEW WORK.
- 5. THE CONTRACTOR SHALL APPLY FOR AND UPLIFT ALL UTILITY PERMITS/CONSENTS, AND SATISFY ANY UTILITY AUTHORITY REQUIREMENTS PRIOR TO UNDERTAKING ANY EXCAVATION OR UTILITY INSTALLATION WORK.
- 6. ALL STATUTORY AUTHORITIES SHALL BE NOTIFIED PRIOR TO ANY EXCAVATION OR EARTHWORKS TAKING PLACE IN PUBLIC PLACES AND RELEVANT NETWORK UTILITY OPERATORS NOTIFIED WHEN WORKING IN PROXIMITY TO THEIR SERVICES.
- 7. WHEN WORKS WILL AFFECT ROAD ACCESS OR ACCESS TO PRIVATE PROPERTIES, THE PROPERTY OWNERS SHALL BE GIVEN AT LEAST 5 DAYS' NOTICE OF THE NATURE AND DURATION OF ANY IMPACTS AND ALL EMERGENCY SERVICES SHALL BE NOTIFIED.
- 8. ANY EXCAVATION NEAR ANY EXISTING UTILITY CABLE OR PRESSURE SERVICE (EG GAS, WATER OR SEWER RISING MAIN) SHALL BE ADVISED TO THE RELEVANT NUO AT LEAST TWO DAYS PRIOR TO COMMENCING ANY WORK AND WHERE REQUIRED SHALL BE UNDERTAKEN WITH OVERSIGHT BY A NUO REPRESENTATIVE.
- 9. WHERE THE TERM NB (NOMINAL BORE) IS USED FOR PIPE DIAMETERS IT INDICATES APPROXIMATE OUTSIDE DIAMETERS FOR PE PIPES AND APPROXIMATE INSIDE DIAMETERS FOR ALL OTHER PIPE TYPES.

ROADING

- 1. ALL PAVEMENT MATERIALS AND WORK STANDARDS TO BE IN ACCORDANCE WITH CURRENT WCC STANDARDS AND SPECIFICATIONS.
- 2. THE CONTRACTOR SHALL UNDERTAKE BENKELMAN BEAM TESTS ON THE FINISHED BASECOURSE ON ALL PAVEMENT AREAS AND PROVIDE RESULTS TO THE ENGINEER. (MINIMUM DEFLECTION STANDARDS ARE COVERED IN THE SPECIFICATIONS).
- 3. FULL DEPTH PAVEMENT CONSTRUCTION SHALL EXTEND BEHIND ALL KERB AND CHANNEL FOR A DISTANCE WHICH IS THE GREATER OF 150MM OR TO THE OUTER EDGE OF ANY SIDE SUBSOIL DRAIN.
- 4. ALL DENOTED PAVEMENT THICKNESSES ARE PROVISIONAL. ALLOW ENGINEER TO UNDERTAKE CONFIRMATORY SUBGRADE TESTING AT THE FOLLOWING LEVELS:
- IN FILLS; WHEN THE FILL HAS BEEN BROUGHT TO THE UNDERSIDE OF THE DESIGN SUBBASE.
- IN CUTS; WHEN THE CUT HAS BEEN TAKEN TO THE UNDERSIDE OF THE DESIGN BASECOURSE.

MODIFY PAVEMENT THICKNESSES WHERE INSTRUCTED BY ENGINEER FOLLOWING ABOVE TESTING.

- 5. REGULAR COMPACTION TESTING OF ROAD PAVEMENT LAYERS SHALL BE CARRIED OUT BY AN APPROVED INDEPENDENT TESTING ORGANISATION AND COMPACTION RESULTS WITH LOCATION AND LEVEL REPORTED TO THE ENGINEER PROGRESSIVELY THROUGH THE WORKS. NON-CONFORMANCES SHALL BE IMMEDIATELY NOTIFIED TO THE ENGINEER AND REMEDIAL WORKS AGREED. A SIGNED COMPLETION REPORT SHALL BE PROVIDED TO THE ENGINEER BY THE TESTING ORGANISATION ON COMPLETION OF THE WORKS.
- 6. REPAIR ALL DAMAGE TO ADJACENT EXISTING FEATURES INCLUDING ROADS, KERBS, PATHS DRAINS ETC CAUSED BY THE WORKS.
- 7. ROAD MARKING AND SIGNAGE SHALL BE IN ACCORDANCE WITH CURRENT NZTA MANUAL OF TRAFFIC SIGNS AND MARKINGS. ALL SIGNS TO BE VIP GRADE REFLECTIVITY.

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C06



		EXISTING GR		
RL82	_		_	
Cut / Fill	0.062	-0.382	-0.007	
Design	84.498	83.427	83.833	83.891
Natural Surface	84.498	83.427	83.833	83.891
Chainages	3.57	ດາ	10	10.47



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NOTES:

- 1. ALL TIMBER TO BE RADIATA PINE, HIGH DENSITY, TREATED TO NZTPA H5 SPECIFICATION FOR GROUND CONTACT UNLESS SHOWN OTHERWISE.
- 2. TIMBER POLES ARE HIGH DENSITY >450kg/m3 OUTER ZONE DENSITY. CONTRACTOR TO PROVIDE EVIDENCE TO ENGINEER THAT TIMBER POLES MEET MINIMUM DENSITY PRIOR TO PLACEMENT
- 3. PLANKS TO BE SET UP WITH STAGGERED JOINTS BEHIND POLES, FIXED SECURELY TO POLES.
- 4. TIMBER WALERS TO BE SG8 H4 TIMBER.
- 5. FOLDING WEDGES (H5 TREATED TIMBER) TO BE USED TO INFILL ANY GAPS BETWEEN THE WALER AND WALL
- 6. TIMBER CUT ENDS SHOULD BE METALEX COPPER (GREEN) NAPHTHENATE SOLUTION APPLIED IN ACCORDANCE WITH THE MANUFACTURER'S SPECS.
- 7. GROUND CONDITIONS IN PILE HOLE TO BE CONFIRMED BY GEOTECHNICAL ENGINEER.
- 8. CONTRACTOR TO ENSURE TEMPORARY STABILITY SAFE CUT BATTERS.
- 9. BACKBOARDS TO SPAN MINIMUM 2 POLES OR 2400mm MIN LENGTH.
- 10. POST HOLES AND TOE SLOPE TO BE INSPECTED BY ENGINEER TO ENSURE GOOD STABILITY
- 11. POST TO BE CONCRETED INTO PLACE USING 25MPa CONCRETE RODDED INTO PLACE
- 12. PROGRESSIVELY INSTALL DRAINAGE COIL AND DRAINAGE METAL

TIMBER POLE SCHEDULE								
RETAINED HEIGHT (m)	SED POLE DIA. (mm)	SED POLE LENGTH (mm)	SPACING (mm)(max)	EMBEDMENT MIN DEPTH(mm) INTO HW ROCK	ENC DI			
0.0 - 1.0	150	3000	1200	2000				
1.0 - 1.5	200	4200	1200	2700				
1.5 - 2.0	275	5400	1200	3400				
2.0 - 2.5	325	6600	1200	4100				
2.5 - 3.0	375	7800	1200	4800				

m = NUMBER OF WALERS	WALER
w = WALER WIDTH (mm) t = WALER THICKNESS (mm)	RETAINING HEIGHTS
	0.0 - 1.2
	1.2 - 3.0

NOT FOR CONSTRUCTION

GENERAL

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- 2. ALL DISCREPANCIES SHALL BE REFERRED TO THE ARCHITECT,CONSULTANT OR THE ENGINEER BEFORE PROCEEDING WITH WORK.
- 3. SETTING OUT, NIBS, REBATES, SET-DOWN & THE LIKES ARE AS PER ARCHITECTURAL DRAWINGS. COOK COSTELLO ACCEPTS NO RESPONSIBILITY WHEN NO DRAWINGS HAVE BEEN PROVIDED.
- 3. ALL DIMENSIONS RELEVANT TO SETTING OUT AND OFF-SITE WORK SHALL BE VERIFIED BY THE CONTRACTORS BEFORE CONSTRUCTION AND FABRICATION IS COMMENCED. THE ENGINEER'S DRAWINGS SHALL NOT BE SCALED.
- 4. DURING CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE STRUCTURE IN A STABLE CONDITION & ENSURE NOT PART SHALL BE OVERSTRESSED UNDER CONSTRUCTION ACTIVITIES. THIS INCLUDES ALL EXISTING STRUCTURES FORMING PART OF, OR AFFECTED BY, THE WORKS.
- IF DURING CONSTRUCTION, ANY PART OF THE WORKS SHOW SIGNS OF DISTRESS, EXCESSIVE DEFLECTION, CONFLICT OF COMPONENTS OR OTHER PROBLEMS, THE CONTRACTORS SHALL IMMEDIATELY NOTIFY THE ENGINEER, WHO SHALL INVESTIGATE & ISSUE SUCH INSTRUCTION AS ARE CONSIDERED NECESSARY.
- 6. CONTRACTOR SHOULD VERIFY THAT ALL CONSTRUCTION DRAWINGS ARE THE LATEST VERSION.
- 7. TEMPORARY STABILITY OF CUTS IS CONTRACTORS RESPONSIBILITY. CONTRACTOR TO MINIMISE EXTENT OF EXCAVATION.
- 8. ALL DIMENSIONS SHOULD BE VERIFIED ON SITE PRIOR TO COMMENCING ANY WORK.
- 9. COMPLY WITH ALL WORKSAFE NZ AND ONSITE HEALTH AND SAFETY REQUIREMENTS AT ALL TIMES.
- 10. COOK COSTELLO ACCEPT NO LIABILITY FOR UNAUTHORIZED CHANGES FROM THE DETAILS AND INFORMATION CONTAINED IN THESE DRAWINGS.
- 11. THESE DRAWINGS AND DESIGN ARE COPYRIGHT AND REMAIN THE PROPERTY OF COOK COSTELLO.
- 12. ALL DIMENSIONS ARE IN MILLIMETRES, LEVELS ARE IN METERS UNO.

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Whangarei | Auckland | Wellington | Christchurch

PARKLANE INFRASTRUCT LTD SILVERSTREAM ROAD ADDITIONAL ROAD SIDE PARKING

TITLE					
	OFOT				
	SECI	10115			
DATE CREATED CCL REF NO					
16/12/202	20	13037 004			
DRAWN	DESIGNED		APPROVED		
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INT CONC (mm) ENCASEMENT DIA. (mm) 300 400 450 500 550

WALER DIMENSIONS (m x w x t) 1x150x75 2x150x75

DO NOT REPRODUCE WITHOUT WRITTEN AUTHORITY



NOT FOR CONSTRUCTION

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2x150x75						
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	W	hangarei Auckland	Wellingto	on Christchurch
	PRC	JECT DETAILS		
	A	PARKLANE INF SILVERSTI DDITIONAL RO	RASTI REAM I AD SID	RUCT LTD ROAD DE PARKING
	TITL	E		
		TYPICAL ST	AIR DI	ETAILS
	DAT	E CREATED	CCL REF	NO
		04/12/2020	1	3037 004
	DR A			APPROVED
	501			AG
			FOF	R CONSENT
	DW	G NUMBER		REVISION
NSTRUCTION		C09		A
	D	O NOT REPRODUCE WIT	HOUT WRI	TTEN AUTHORITY