

CLC
CONSULTING GROUP LTD
 ENGINEERS & SURVEYORS
 JOHNS LANE PAKURANGA
 PO BOX 51547
 AUCKLAND NEW ZEALAND
 Ph (09)576-3276
 Fax(09)576-3920
 E-mail clc@clcgroup.co.nz
 Web Site www.clcgroup.co.nz


PROJECT
MANUKAU CITY COUNCIL
LLOYD ELSMORE PARK PAKURANGA

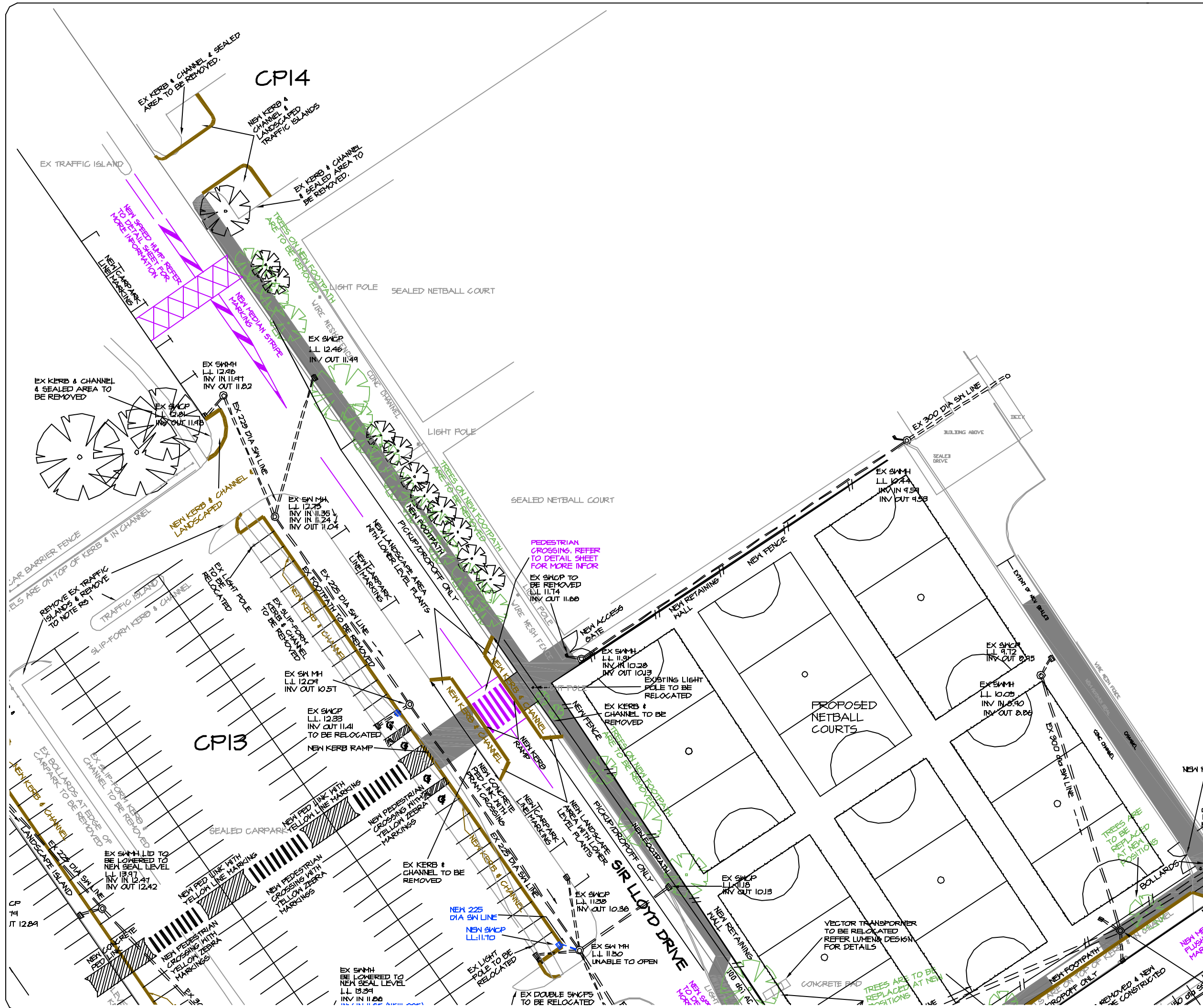
PROPOSED CARPARK & ROAD CHANGE AREAS.

NOTES
 COORDINATES ARE IN TERMS OF NZGD 2000 - MT EDEN CIRCUIT
 SOURCE : S 9A S051273 797680.51mN 412049.09mE
 LEVEL ARE IN TERMS OF LANDS AND SURVEY DATUM
 ORIGIN : S 9A S051273 RL 19.495m
 CONTOUR INTERVAL 0.5m

- NEW MOUNTABLE KERB
- NEW NORMAL KERB
- NEW FOOTPATH

No	DESCRIPTION	BY	DATE
REVISIONS:			

SCALES		
1:500 (A3)		
SURVEYED S.W	DATE	MAY/2010
DESIGNED		
COMP OP	T.GUI	AUG/2010
CHECKED		
SHT 1 OF 12 REV		
PLAN No. 17180		



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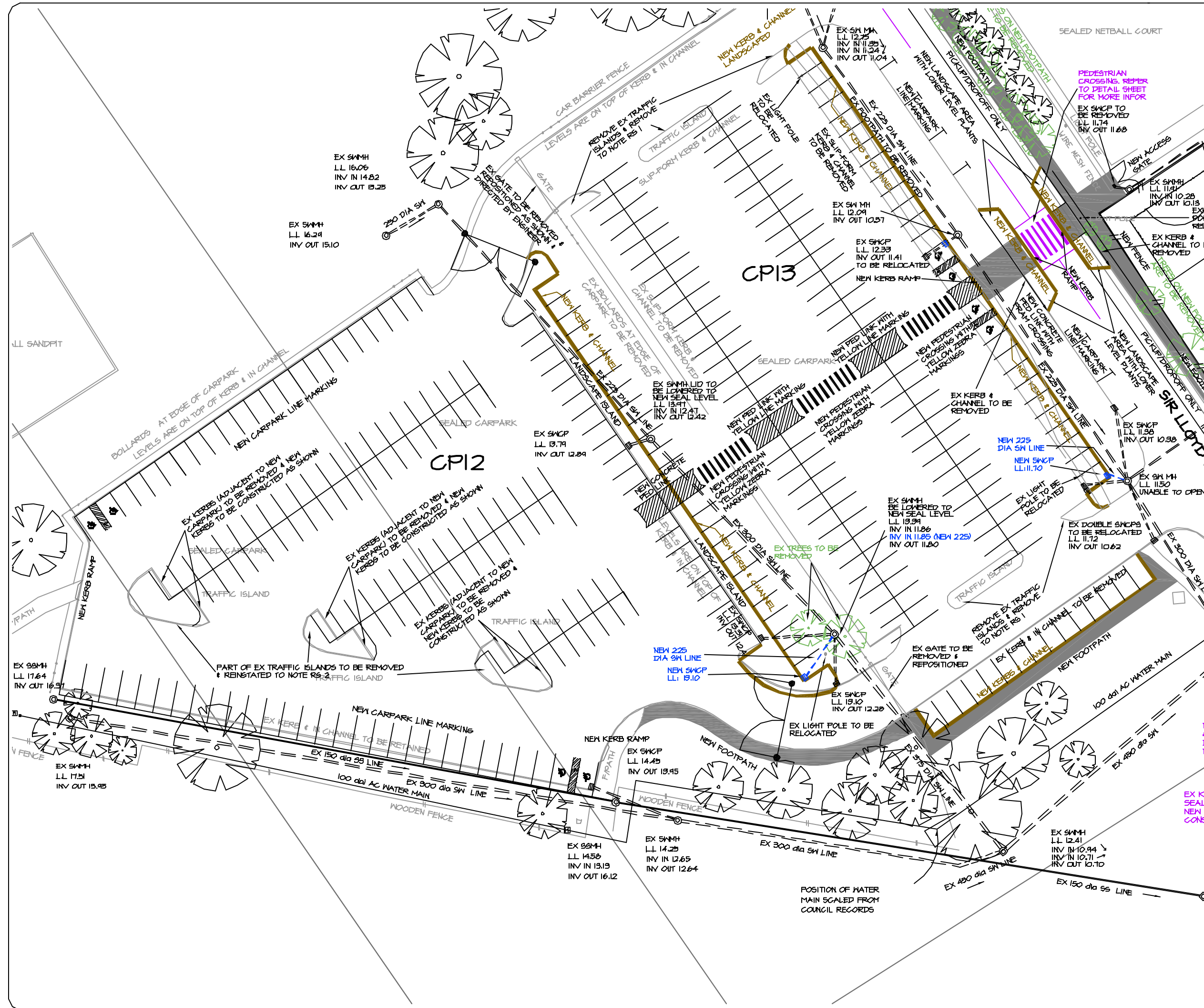
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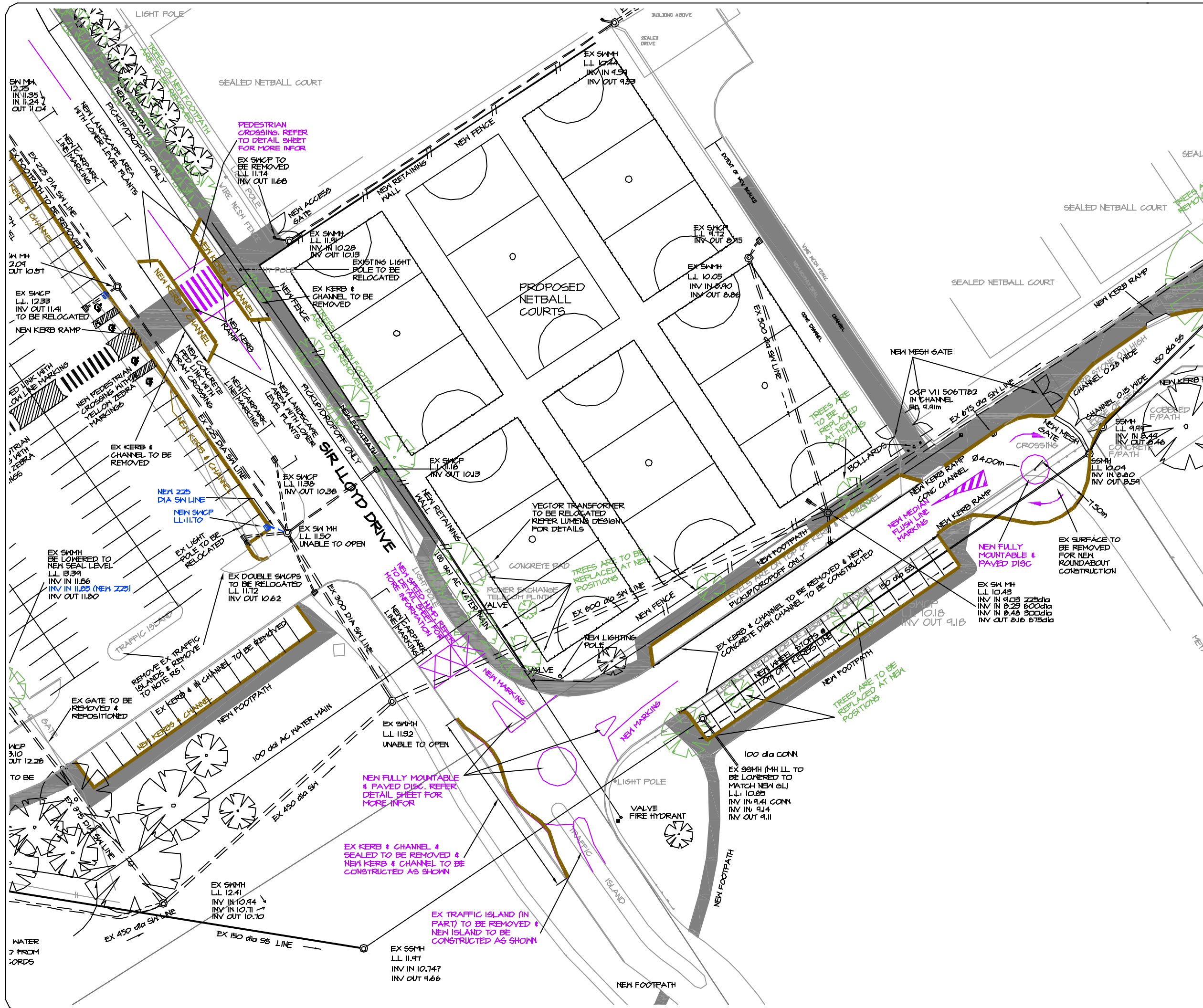
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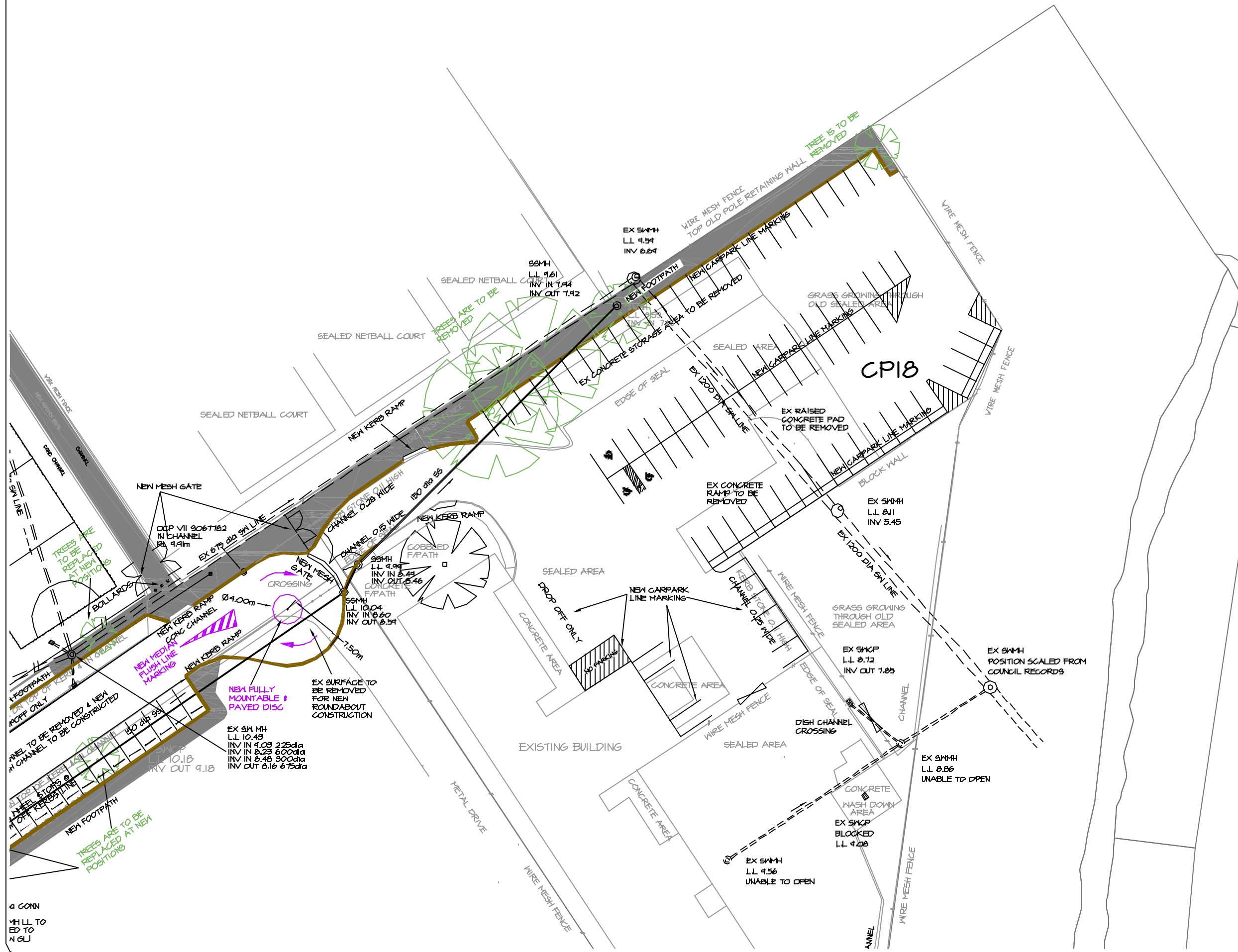
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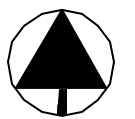
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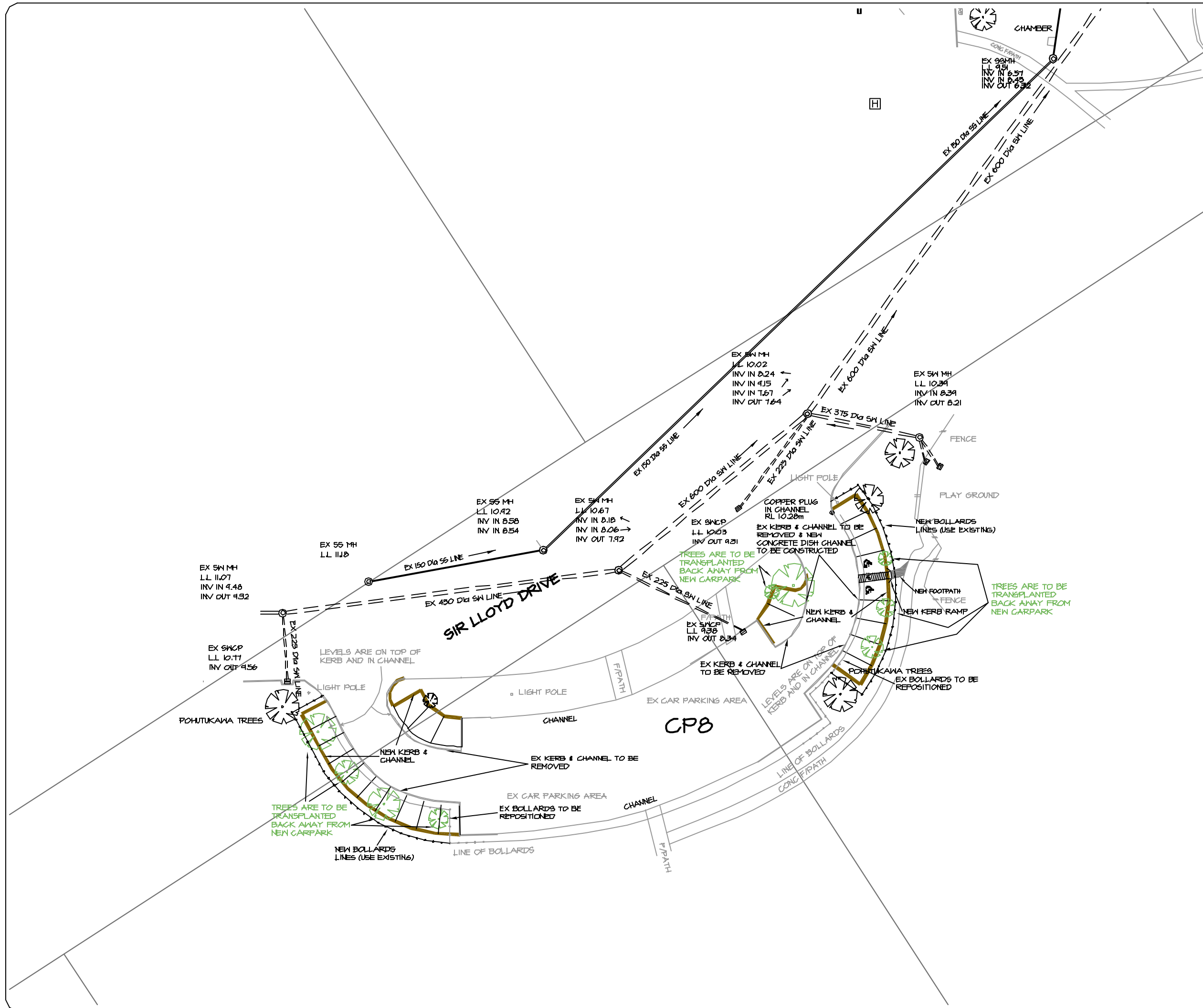
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PROJECT
MANUKAU CITY COUNCIL
LLOYD ELSMORE PARK PAKURANGA
CUT/FILL EARTHWORKS PLAN

NOTES

LEVELS ARE IN TERMS OF LANDS AND SURVEY (AUCKLAND) DATUM 1948.
 CONTOUR INTERVAL IS 0.2M.

ALL WORKS ON EXISTING PUBLIC LINES ARE TO BE CARRIED OUT BY AN APPROVED LICENSED CONTRACTOR TO MANUKAU WATER.

ALL WORK AND MATERIALS ARE TO BE IN STRICT ACCORDANCE WITH THE MANUKAU CITY COUNCILS ENGINEERING STANDARDS AND MAJLARC APPROVALS.

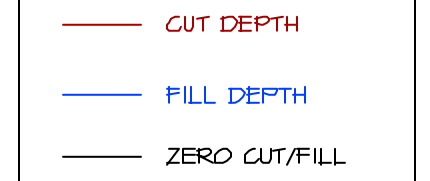
THE CONTRACTOR IS TO LOCATE AND PROTECT ALL EXISTING SERVICES PRIOR TO THE COMMENCING ANY WORKS. CONTACT THE RESPECTIVE AUTHORITIES FOR ASSISTANCE AND GUIDANCE.

ALL SOIL AND EROSION CONTROL EQUIPMENT TO BE INSTALLED IN ACCORDANCE WITH THE AUCKLAND REGIONAL COUNCIL'S TECHNICAL PUBLICATION 40 EROSION & SEDIMENT CONTROL GUIDELINES.

ALL SOIL & EROSION CONTROL EQUIPMENT TO BE MAINTAINED UNTIL TOPSOIL GRASS SEED AND A SATISFACTORY GRASS STRIKE HAS BEEN ESTABLISHED.


ALL EXISTING DRAINS HAVE BEEN INTERPOLATED AS BEING STRAIGHT LINE BETWEEN MANHOLE LOCATIONS AS SHOWN ON COUNCIL ASBUILT RECORDS EXCEPT WHERE SHOWN.

THE CONTRACTOR IS TO ENSURE THE SAFETY OF ALL PEOPLE AND PROPERTY AT ALL TIMES WHILST WORKS ARE UNDERWAY ON SITE.



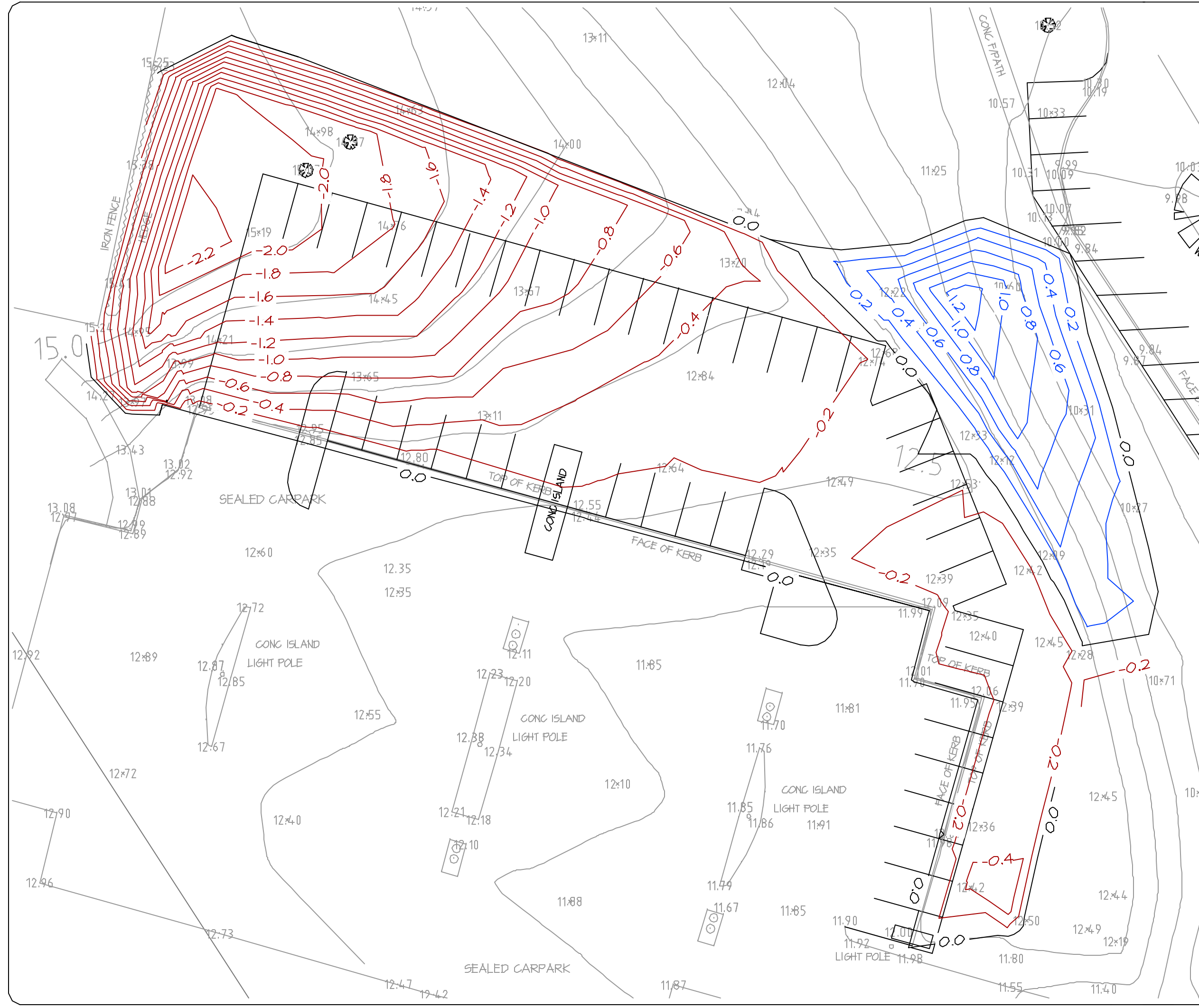
No	DESCRIPTION	BY	DATE
REVISIONS:			

SCALES
 1:250 (A3)



SURVEYED	S.W	DATE	MAY/2010
DESIGNED	R.KIM	AUG/2010	
COMP OP	T.GUI	AUG/2010	
CHECKED			

SHT **7** OF **12** REV
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PROJECT
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LLOYD ELSMORE PARK PAKURANGA

FINISHED CONTOUR PLAN

NOTES

LEVELS ARE IN TERMS OF LANDS AND SURVEY (AUCKLAND) DATUM 1946.

CONTOUR INTERVAL IS 0.2M.

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ALL WORK AND MATERIALS ARE TO BE IN STRICT ACCORDANCE WITH THE MANUKAU CITY COUNCILS ENGINEERING STANDARDS AND M.A.H.A.R.C. APPROVALS.

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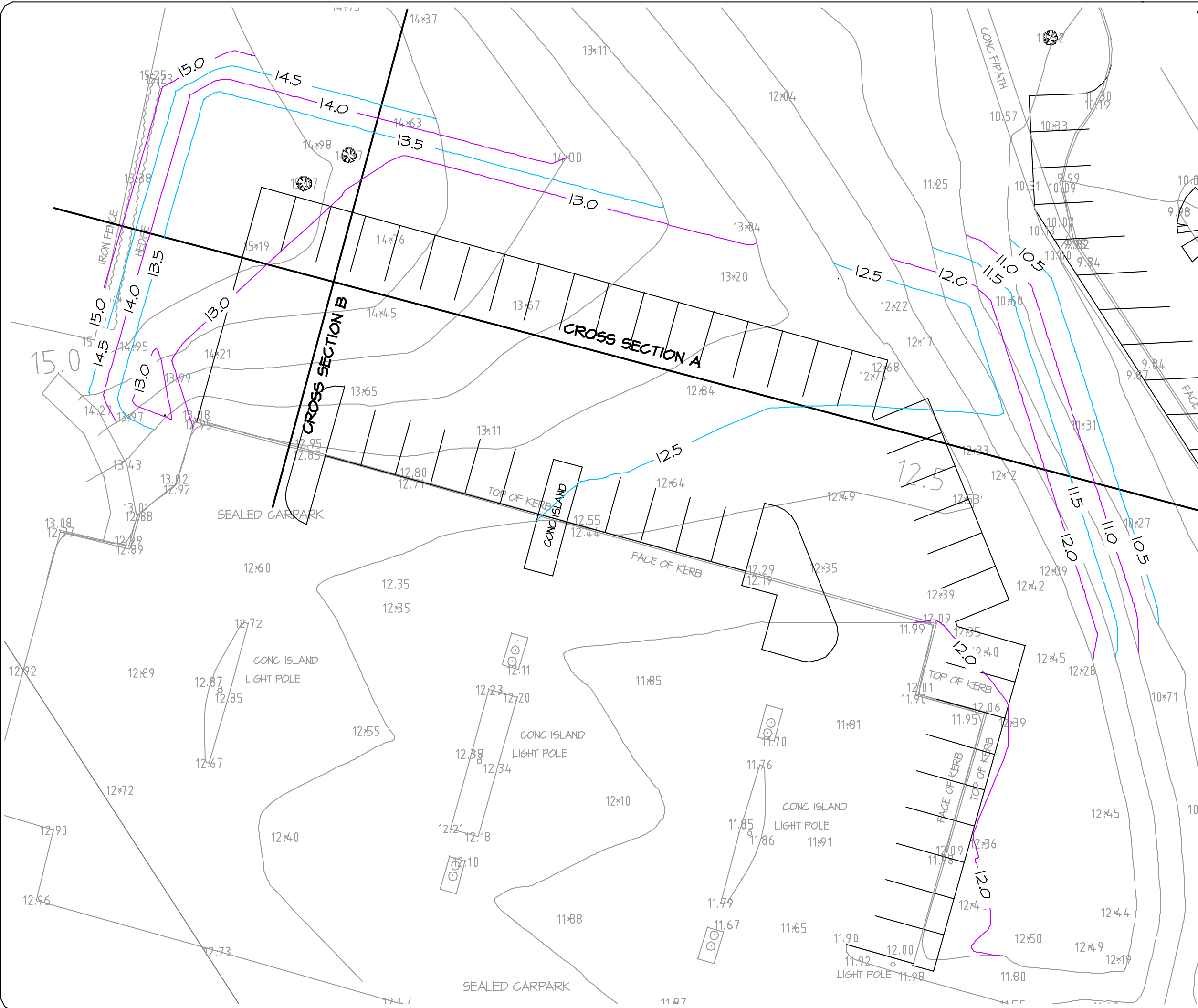
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No	DESCRIPTION	BY	DATE
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SCALES
 1:250 (A3)

SURVEYED S.W DATE MAY/2010
 DESIGNED R.KIM AUG/2010
 COMP OP T.CUI AUG/2010
 CHECKED

SHT **8** OF **12** REV
 PLAN No. **17180**





PROJECT
 MANUKAU CITY COUNCIL
 LLOYD ELSMORE PARK

LONGITUDINAL SECTIONS

NOTES

LEVELS ARE IN TERMS OF LANDS AND SURVEY (AUCKLAND) DATUM 1946.

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No | DESCRIPTION | BY | DATE

REVISIONS:

SCALES

1:500 (A3)

SURVEYED DATE

DESIGNED

COMP OF R.HOSHINO 11/08/2010

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SHT 9 OF 12 REV

PLAN No. 17180

EXISTING GROUND PROFILE

NEW GROUND PROFILE

DATUM R.L. 0.000

FINISHED LEVEL			13.053	12.942	12.818	12.658	12.541	12.453	12.27		
EXISTING LEVEL			15.286	14.752	13.884	13.211	12.793	12.561	11.569	10.017	9.697
CUT / FILL DEPTH			2.233	1.810	1.066	0.553	0.252	0.108	11.569	10.017	9.697
CHAINAGE	0	10	20	30	40	50	60	70	80	84.553	

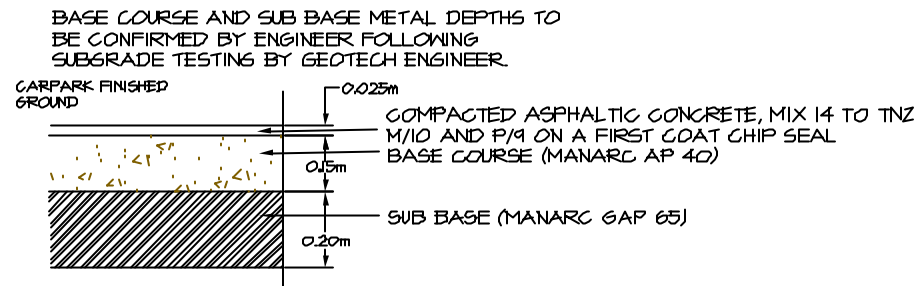
CROSS-SECTION A

EXISTING GROUND PROFILE

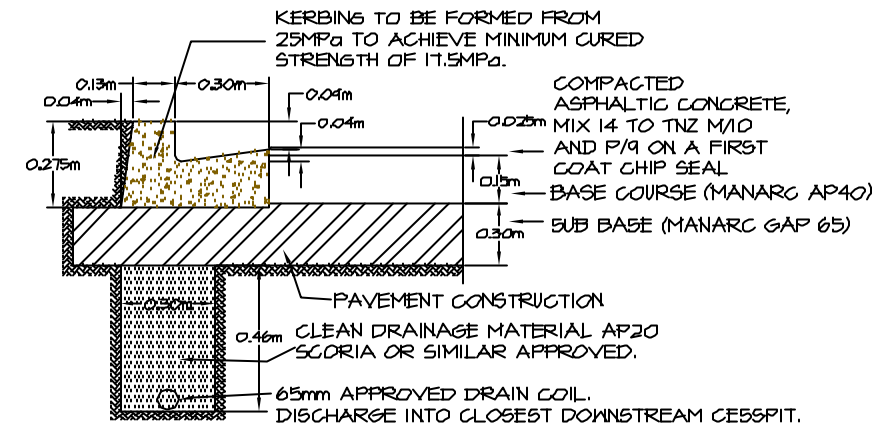
NEW GROUND PROFILE

			13.011	12.938	12.874		
	14.391		14.850	14.716	13.223	12.742	
	14.391	1.839		1.778	0.349	12.742	
0	10	20	30	35.625			

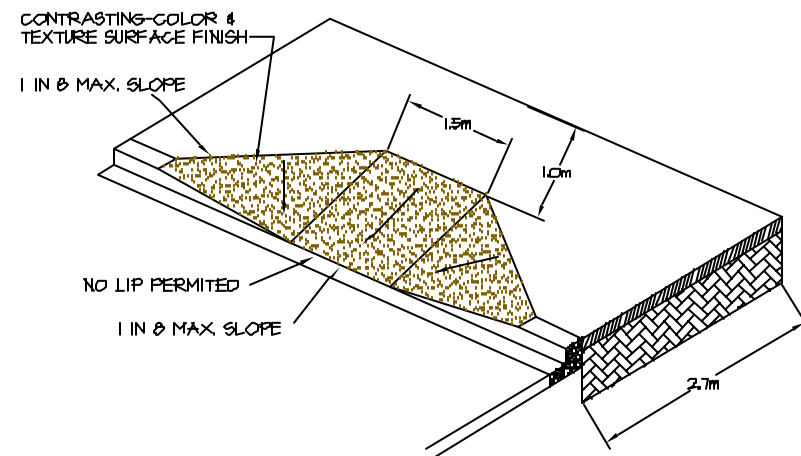
CROSS-SECTION B



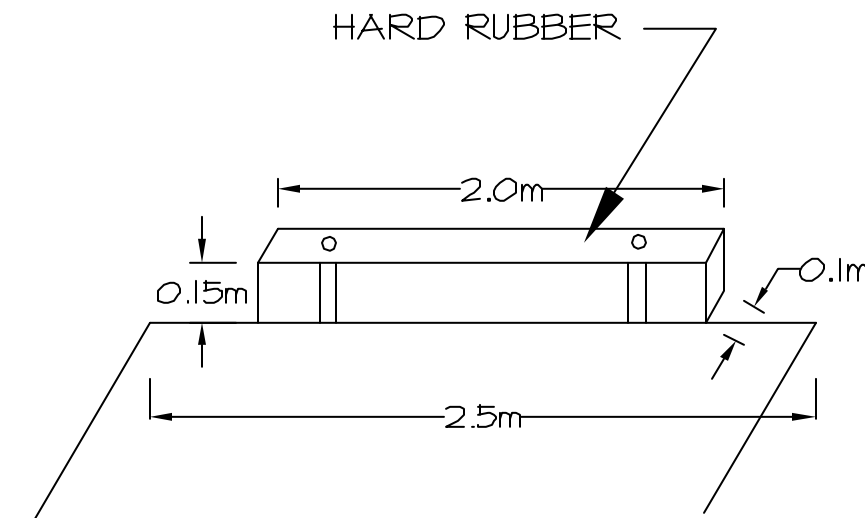
CARPARK PAVEMENT CONSTRUCTION



ROAD WIDENING DETAIL



DETAILS FOR KERB RAMPS (FOR DISABLED PERSON CARPARK)



WHEEL STOPPER DETAIL NOT TO SCALE

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DETAIL PLAN

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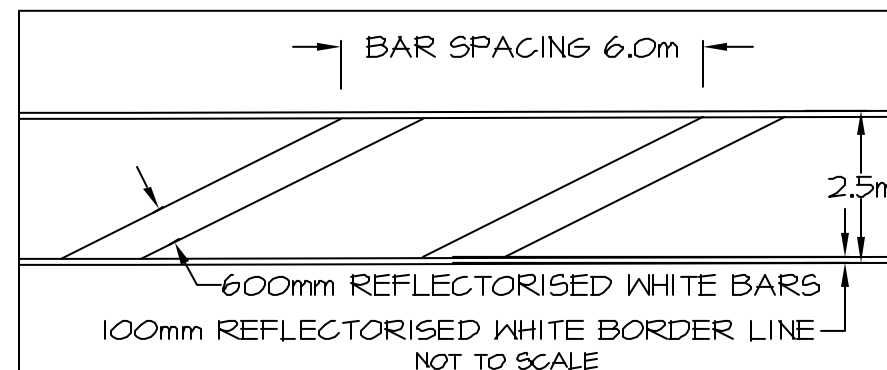
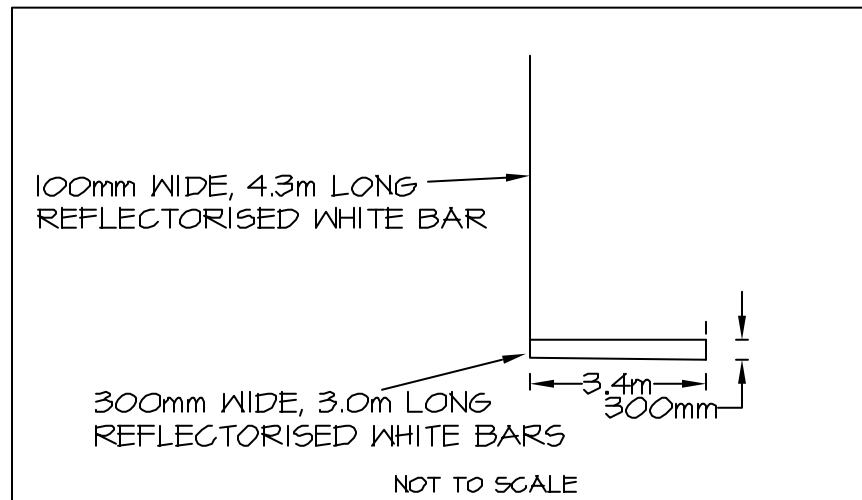
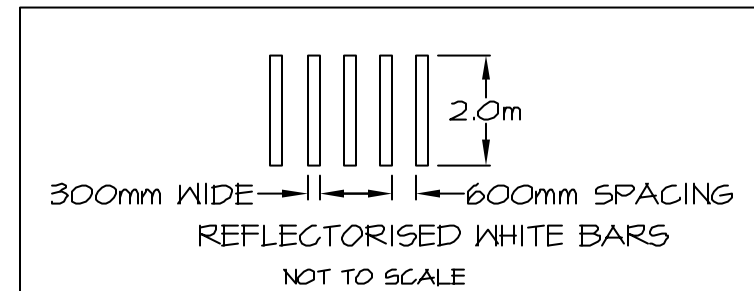
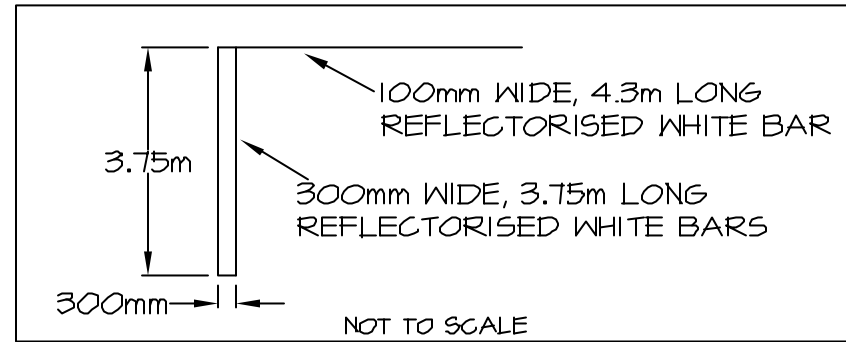
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DETAIL PLAN

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