

Lot 32 DP 7589  
Current Subdivision for  
626 East Maddsons Road  
Not constructed yet

Kim Sanders Consulting  
for Civil Engineering &  
Construction Services  
30 Clark Street, Sumner - 0272342285  
kimsanders@xtra.co.nz

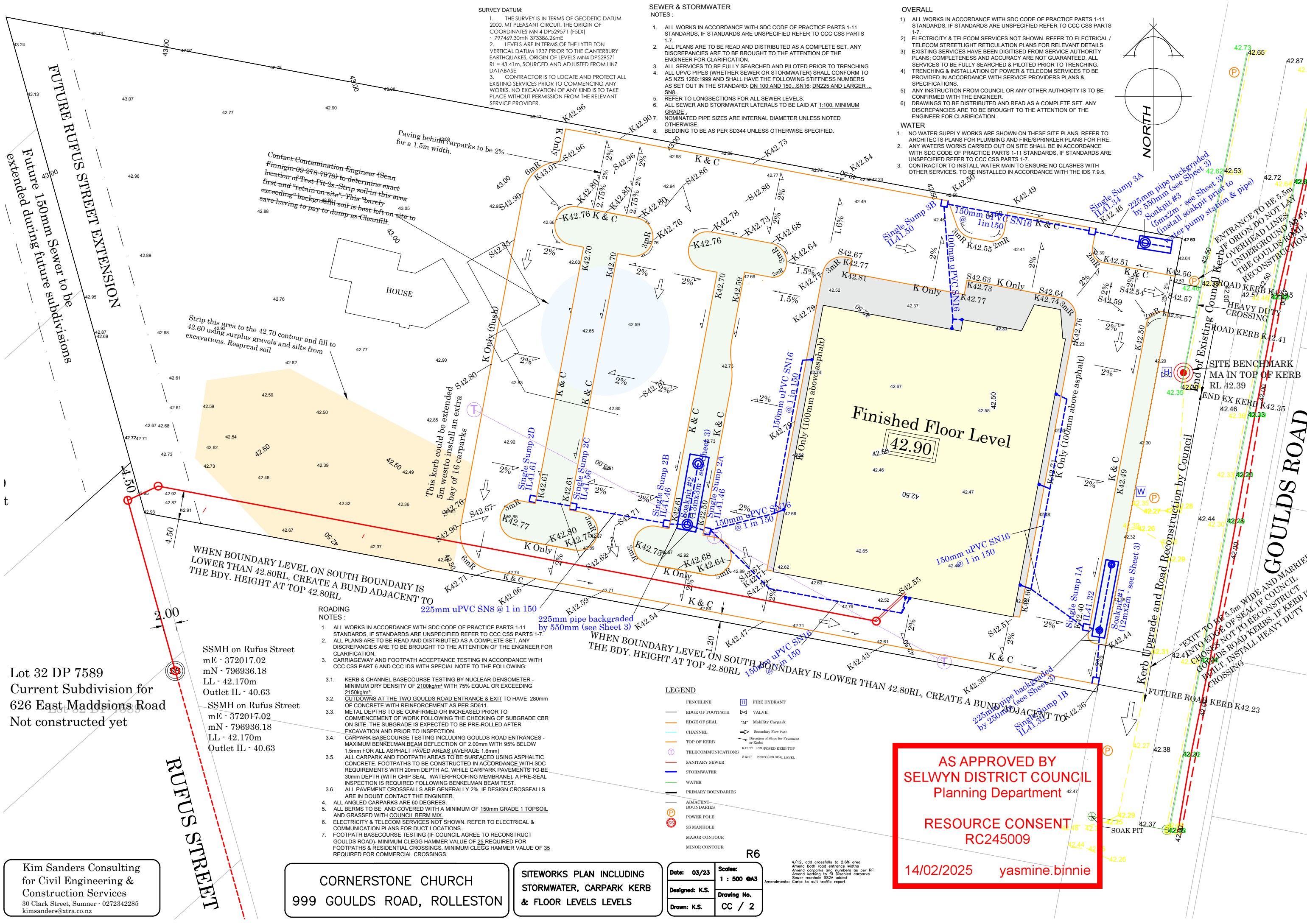
CORNERSTONE CHURCH  
999 GOULDS ROAD, ROLLESTON

SEWER, CARPARK DIMENSION  
TOPOGRAPHICAL SURVEY &  
EARTHWORKS PLAN

Date: 03/23  
Designed: K.S.  
Drawn: K.S.  
Scale: 1:500  
Drawing No: CC / 1

AS APPROVED BY  
SELWYN DISTRICT COUNCIL  
Planning Department  
RESOURCE CONSENT  
RC245009  
14/02/2025 Yasmine Binnie





**SURVEY DATUM:**

1. THE SURVEY IS IN TERMS OF GEODETIC DATUM 2000, MT PLEASANT CIRCUIT. THE ORIGIN OF COORDINATES MN 4 DP529571 (FSLX) ~ 797469.30mN 373386.26mE
2. LEVELS ARE IN TERMS OF THE LYTTELTON VERTICAL DATUM 1937 PRIOR TO THE CANTERBURY EARTHQUAKES. ORIGIN OF LEVELS MN4 DP529571 RL = 43.41m. SOURCED AND ADJUSTED FROM LINZ DATABASE
3. CONTRACTOR IS TO LOCATE AND PROTECT ALL EXISTING SERVICES PRIOR TO COMMENCING ANY WORKS. NO EXCAVATION OF ANY KIND IS TO TAKE PLACE WITHOUT PERMISSION FROM THE RELEVANT SERVICE PROVIDER.

**SEWER & STORMWATER NOTES:**

1. ALL WORKS IN ACCORDANCE WITH SDC CODE OF PRACTICE PARTS 1-11 STANDARDS, IF STANDARDS ARE UNSPECIFIED REFER TO CCC CSS PARTS 1-7.
2. ALL PLANS ARE TO BE READ AND DISTRIBUTED AS A COMPLETE SET. ANY DISCREPANCIES ARE TO BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR CLARIFICATION.
3. ALL SERVICES TO BE FULLY SEARCHED AND PILOTTED PRIOR TO TRENCHING ALL UPVC PIPES (WHETHER SEWER OR STORMWATER) SHALL CONFORM TO AS NZS 1260:1999 AND SHALL HAVE THE FOLLOWING STIFFNESS NUMBERS AS SET OUT IN THE STANDARD: DN 100 AND 150... SN16: DN225 AND LARGER... SN8
5. REFER TO LONGSECTIONS FOR ALL SEWER LEVELS.
6. ALL SEWER AND STORMWATER LATERALS TO BE LAID AT 1:100 MINIMUM GRADE
7. NOMINATED PIPE SIZES ARE INTERNAL DIAMETER UNLESS NOTED OTHERWISE.
8. BEDDING TO BE AS PER SD344 UNLESS OTHERWISE SPECIFIED.

**OVERALL**

1. ALL WORKS IN ACCORDANCE WITH SDC CODE OF PRACTICE PARTS 1-11 STANDARDS, IF STANDARDS ARE UNSPECIFIED REFER TO CCC CSS PARTS 1-7.
2. ELECTRICITY & TELECOM SERVICES NOT SHOWN. REFER TO ELECTRICAL / TELECOM STREETLIGHT RETICULATION PLANS FOR RELEVANT DETAILS.
3. EXISTING SERVICES HAVE BEEN DIGITISED FROM SERVICE AUTHORITY PLANS. COMPLETENESS AND ACCURACY ARE NOT GUARANTEED. ALL SERVICES TO BE FULLY SEARCHED & PILOTTED PRIOR TO TRENCHING.
4. TRENCHING & INSTALLATION OF POWER & TELECOM SERVICES TO BE PROVIDED IN ACCORDANCE WITH SERVICE PROVIDERS PLANS & SPECIFICATIONS.
5. ANY INSTRUCTION FROM COUNCIL OR ANY OTHER AUTHORITY IS TO BE CONFIRMED WITH THE ENGINEER.
6. DRAWINGS TO BE DISTRIBUTED AND READ AS A COMPLETE SET. ANY DISCREPANCIES ARE TO BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR CLARIFICATION.

**WATER**

1. NO WATER SUPPLY WORKS ARE SHOWN ON THESE SITE PLANS. REFER TO ARCHITECTS PLANS FOR PLUMBING AND FIRE/SPRINKLER PLANS FOR FIRE.
2. ANY WATERS WORKS CARRIED OUT ON SITE SHALL BE IN ACCORDANCE WITH SDC CODE OF PRACTICE PARTS 1-11 STANDARDS, IF STANDARDS ARE UNSPECIFIED REFER TO CCC CSS PARTS 1-7.
3. CONTRACTOR TO INSTALL WATER MAIN TO ENSURE NO CLASHES WITH OTHER SERVICES. TO BE INSTALLED IN ACCORDANCE WITH THE IDS 7.9.5.

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SSMH on Rufus Street  
mE - 372017.02  
mN - 796936.18  
LL - 42.170m  
Outlet IL - 40.63

SSMH on Rufus Street  
mE - 372017.02  
mN - 796936.18  
LL - 42.170m  
Outlet IL - 40.63

**ROADING NOTES:**

1. ALL WORKS IN ACCORDANCE WITH SDC CODE OF PRACTICE PARTS 1-11 STANDARDS, IF STANDARDS ARE UNSPECIFIED REFER TO CCC CSS PARTS 1-7.
2. ALL PLANS ARE TO BE READ AND DISTRIBUTED AS A COMPLETE SET. ANY DISCREPANCIES ARE TO BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR CLARIFICATION.
3. CARRIAGEWAY AND FOOTPATH ACCEPTANCE TESTING IN ACCORDANCE WITH CCC CSS PART 6 AND CCC IDS WITH SPECIAL NOTE TO THE FOLLOWING:
  - 3.1. KERB & CHANNEL BASECOURSE TESTING BY NUCLEAR DENSOMETER - MINIMUM DRY DENSITY OF 2100kg/m<sup>3</sup> WITH 75% EQUAL OR EXCEEDING 2150kg/m<sup>3</sup>
  - 3.2. CUTDOWNS AT THE TWO GOULDS ROAD ENTRANCE & EXIT TO HAVE 280mm OF CONCRETE WITH REINFORCEMENT AS PER SD611.
  - 3.3. METAL DEPTHS TO BE CONFIRMED OR INCREASED PRIOR TO COMMENCEMENT OF WORK FOLLOWING THE CHECKING OF SUBGRADE CBR ON SITE. THE SUBGRADE IS EXPECTED TO BE PRE-ROLLED AFTER EXCAVATION AND PRIOR TO INSPECTION.
  - 3.4. CARPARK BASECOURSE TESTING INCLUDING GOULDS ROAD ENTRANCES - MAXIMUM BENKELMAN BEAM DEFLECTION OF 2.00mm WITH 95% BELOW 1.5mm FOR ALL ASPHALT PAVED AREAS (AVERAGE 1.6mm)
  - 3.5. ALL CARPARK AND FOOTPATH AREAS TO BE SURFACED USING ASPHALTIC CONCRETE. FOOTPATHS TO BE CONSTRUCTED IN ACCORDANCE WITH SDC REQUIREMENTS WITH 20mm DEPTH AC. WHILE CARPARK PAVEMENTS TO BE 30mm DEPTH (WITH CHIP SEAL. WATERPROOFING MEMBRANE). A PRE-SEAL INSPECTION IS REQUIRED FOLLOWING BENKELMAN BEAM TEST.
  - 3.6. ALL PAVEMENT CROSSFALLS ARE GENERALLY 2%. IF DESIGN CROSSFALLS ARE IN DOUBT CONTACT THE ENGINEER.
4. ALL ANGLED CARPARKS ARE 60 DEGREES.
5. ALL BERMS TO BE AND COVERED WITH A MINIMUM OF 150mm GRADE 1 TOPSOIL AND GRASSED WITH COUNCIL BERM MIX.
6. ELECTRICITY & TELECOM SERVICES NOT SHOWN. REFER TO ELECTRICAL & COMMUNICATION PLANS FOR DUCT LOCATIONS.
7. FOOTPATH BASECOURSE TESTING (IF COUNCIL AGREE TO RECONSTRUCT GOULDS ROAD)- MINIMUM CLEGG HAMMER VALUE OF 25 REQUIRED FOR FOOTPATHS & RESIDENTIAL CROSSINGS. MINIMUM CLEGG HAMMER VALUE OF 35 REQUIRED FOR COMMERCIAL CROSSINGS.

**LEGEND**

- |                     |  |
|---------------------|--|
| FENCELINE           | [Symbol] FIRE HYDRANT                            |
| EDGE OF FOOTPATH    | [Symbol] VALVE                                   |
| EDGE OF SEAL        | [Symbol] "M" Mobility Carpark                    |
| CHANNEL             | [Symbol] Secondary Flow Path                     |
| TOP OF KERB         | [Symbol] Direction of Slope for Pavement or Kerb |
| TELECOMMUNICATIONS  | [Symbol] K42.77 PROPOSED KERB TOP                |
| SANITARY SEWER      | [Symbol] K42.67 PROPOSED SEWAL LEVEL             |
| STORMWATER          |  |
| WATER               |  |
| PRIMARY BOUNDARIES  |  |
| ADJACENT BOUNDARIES |  |
| POWER POLE          |  |
| SS MANHOLE          |  |
| MAJOR CONTOUR       |  |
| MINOR CONTOUR       |  |

R6

**Date:** 03/23  
**Designed:** K.S.  
**Drawn:** K.S.

**Scale:** 1 : 500 @A3  
**Drawing No.:** CC / 2

4/12, add crossfalls to 2.6% area  
Amend both road entrance widths  
Amend kerbing to fit Disabled carpark  
Sewer manhole SS2A added  
Amendments: Canks to suit traffic report

**AS APPROVED BY**  
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Planning Department

**RESOURCE CONSENT**  
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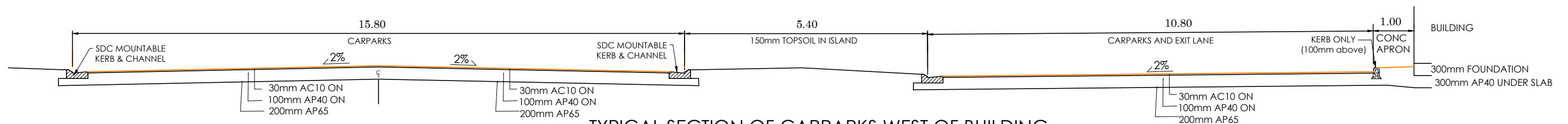
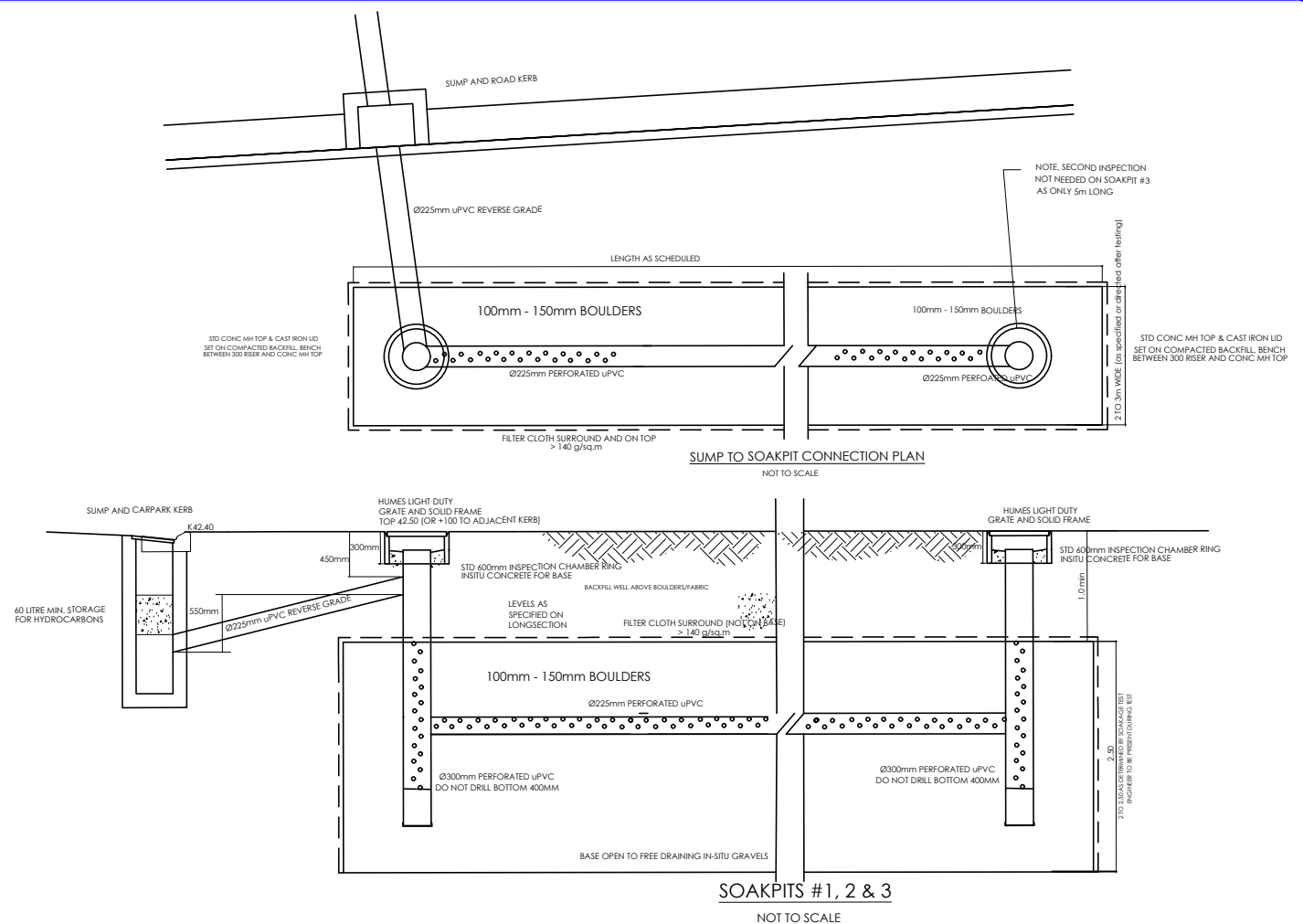
**CORNERSTONE CHURCH**  
999 GOULDS ROAD, ROLLESTON

**SITWORKS PLAN INCLUDING**  
**STORMWATER, CARPARK KERB**  
**& FLOOR LEVELS**

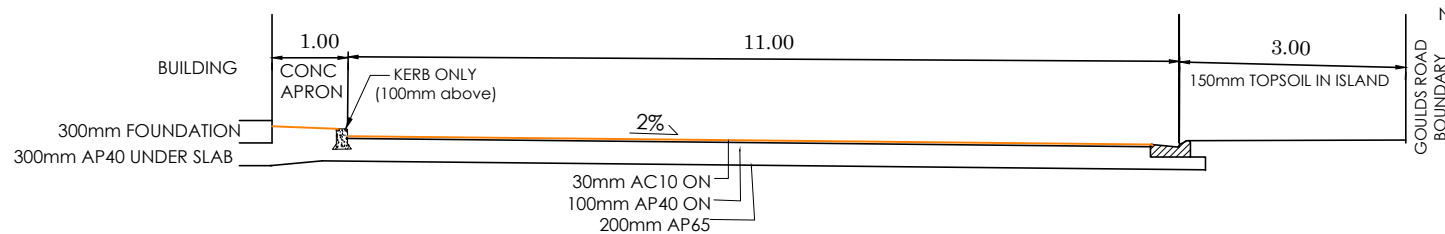
The sewer downstream of SS2 is being laid by the adjacent developer as per SDC approval

DATUM R.L.	40.00								
CUT/ FILLGRADE & PIPE DATA	21.1	21.1	150Ø uPVC SN16						
			@ 1 in 200						
INVERT LEVEL	40.77 40.79	40.815 40.825m							
FINISHED KERB LEVEL									
EX GROUND LEVEL	42.90		42.7	42.4	42.4		42.60	42.83	
METERAGE	0.00	0.00					52		

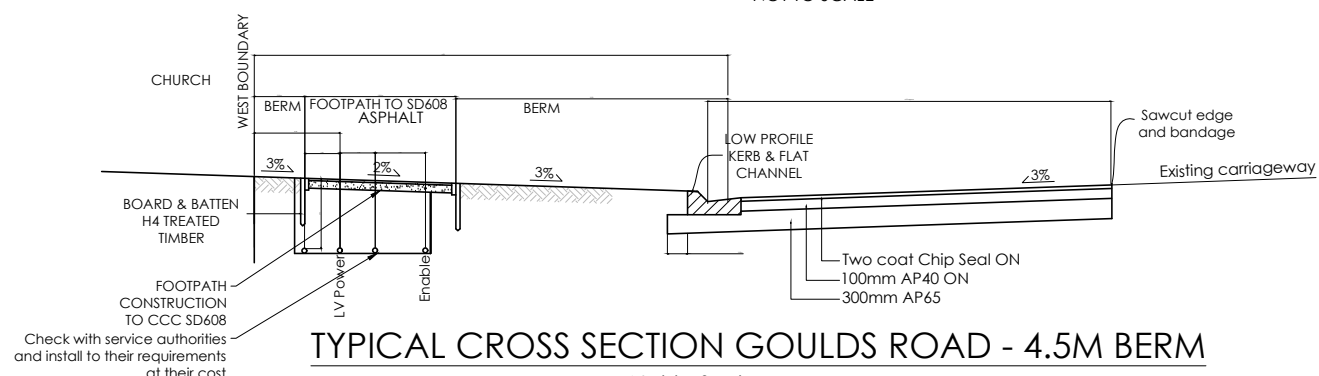
Scale 1:750 Horiz@A4  
1:75 Vert @A4



### TYPICAL SECTION OF CARPARKS WEST OF BUILDING



### TYPICAL SECTION OF CARPARKS EAST OF BUILDING



TYPICAL CROSS SECTION GOULDS ROAD - 4.5M BERM

Not to Scale  
This work only to be done if Council agree to paying their 100% share.

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SEWER LONGITUDINAL SECTION  
SOAKPIT #1, 2 & 3 DETAILS  
& CARPARK TYPICAL SECTIONS

Date: 03/23	Scales: 1 : 500
Designed: K.S.	Drawing No.
Drawn: K.S.	CC / 3

R3

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KERB ONLY TO CCC SD602

SCALES 1:10@A1  
1:20@A3