

OPERATIONAL WORKS APPLICATION FOR WATER MAIN RELOCATION WORKS

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594I ENG SJW WAT 012	B	DESIGN WATER PIPE SETOUT TABLE

CLIENT



**FRASERS
PROPERTY**

**FRASERS PROPERTY
(AUSTRALIA) PTY. LTD.**

SITE ADDRESS
LOT 501 ON SP295994
60 STAPYLTON JACOBS WELL ROAD
STAPYLTON QLD 4207

STANDARD DRAWINGS			
DRAWING No.	REV No.	NETWORK	DRAWING TITLE
SEQ-WAT-I200-2	C	SEQ	EMBEDMENT & TRENCHFILL TYPICAL ARRANGEMENT
SEQ-WAT-I201-1	A	SEQ	STANDARD EMBEDMENT TYPICAL FLEXIBLE & RIGID PIPES
SEQ-WAT-I212-1	C	SEQ	TYPICAL BURIED CROSSINGS MAJOR ROADWAYS
SEQ-WAT-I301-1	C	SEQ	TYPICAL VALVE AND HYDRANT INSTALLATION VALVE ARRANGEMENT
SEQ-WAT-I302-1	C	SEQ	TYPICAL VALVE AND HYDRANT INSTALLATION HYDRANT ARRANGEMENT
SEQ-WAT-I303-1	B	SEQ	TYPICAL VALVE AND HYDRANT INSTALLATION FUTURE EXTENSION INSTALLATION
SEQ-WAT-I306-1	C	SEQ	TYPICAL SURFACE FITTING INSTALLATION VALVE AND HYDRANT SURFACE BOXES SUPPORT AND SURROUND DETAILS

No building approvals shall form part of the permit.

Live Connections -
Arrangements with Water &
Waste.

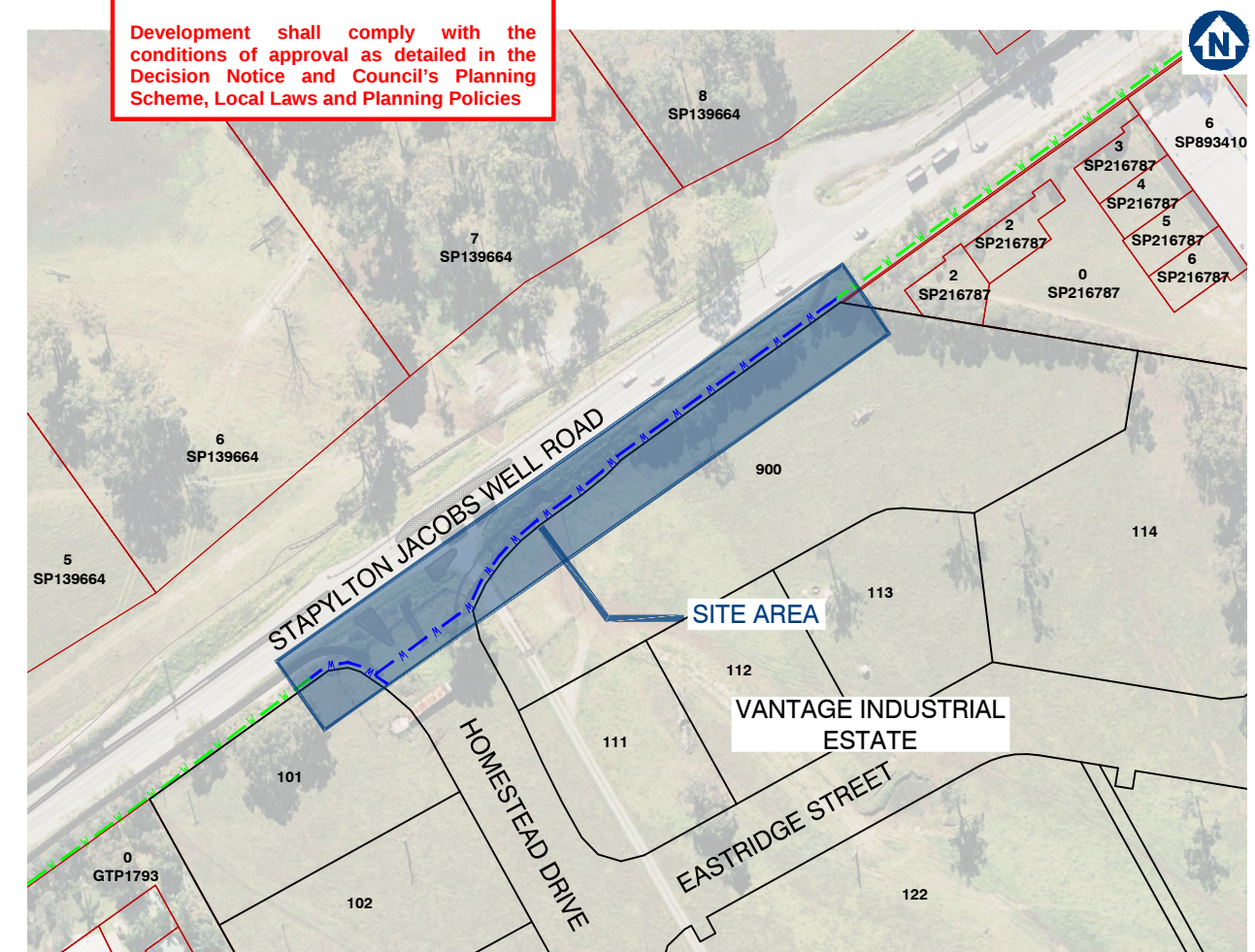
PLANS AND DOCUMENTS referred to in the
DEVELOPMENT APPROVAL

Application No.: OPW/2020/650

Dated: 8 July 2020

Development shall comply with the
conditions of approval as detailed in the
Decision Notice and Council's Planning
Scheme, Local Laws and Planning Policies

This permit covers only Water
Infrastructure Works.



LOCALITY PLAN
SCALE 1: 1000 (A1)

Date: 30/6/2020

1. CONTRACT DOCUMENTATION
ALL DRAWINGS ARE TO BE READ IN CONJUNCTION WITH THE CONTRACT SPECIFICATION AND CoGC STANDARD DRAWINGS AND SPECIFICATIONS.
2. DATUM
LEVELS SHOWN ON THE PLANS ARE A.H.D.
3. SURVEY SETOUT
THE SURVEY SET OUT INFORMATION TO ALLOW THE CONTRACTOR TO ACCURATELY SET OUT THE WORKS HAS BEEN ESTABLISHED ON SITE BY THE PRINCIPAL'S SURVEYOR. THE CONTRACTOR IS NOT TO SCALE FROM THESE PLANS AS A MEANS OF OBTAINING SETOUT INFORMATION.
4. EXISTING SURVEY CONTROL STATIONS
IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT EXISTING SURVEY CONTROL STATIONS ARE NOT DISTURBED OR DAMAGED BY CONSTRUCTION ACTIVITIES. SHOULD THE CONTRACTOR IDENTIFY ANY CONFLICT BETWEEN EXISTING SURVEY CONTROL AND THE REQUIRED CONSTRUCTION ACTIVITIES THE SUPERINTENDENT IS TO BE NOTIFIED IMMEDIATELY.
5. EXISTING SERVICES
THE LOCATION OF EXISTING SERVICES WHERE SHOWN ON THE PLANS ARE INDICATIVE ONLY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTACT THE RELEVANT SERVICE AUTHORITIES TO ASCERTAIN THE EXACT LOCATION OF ALL EXISTING SERVICES PRIOR TO THE COMMENCEMENT OF WORKS AND TAKE ALL NECESSARY PRECAUTIONS TO AVOID DAMAGE TO THE EXISTING SERVICES.
6. SITE ACCESS
THE CONTRACTOR SHALL ONLY GAIN ACCESS TO THE SITE VIA ACCESS LOCATIONS APPROVED BY THE SUPERINTENDENT. FREEDOM OF ACCESS TO OTHER WORK AREAS ON THE SITE SHALL BE MAINTAINED AT ALL TIMES.
7. PROVISION FOR TRAFFIC
PROVISION FOR TRAFFIC ON LOCAL ROADS SHALL BE IN ACCORDANCE WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES AND CoGC COUNCIL REQUIREMENTS.
8. WORK EXTENT
THE CONTRACTOR IS TO RESTRICT ACTIVITIES TO THOSE AREAS DESIGNATED AS WORKS AREAS UNDER THE CONTRACT. AT NO TIME IS THE CONTRACTOR TO ENTER ADJOINING PROPERTIES OR CONTRACT AREAS WITHOUT THE WRITTEN AUTHORISATION OF THE SUPERINTENDENT.
9. TESTING
ALL TESTING IS TO BE CARRIED OUT BY AN APPROVED N.A.T.A TESTING AUTHORITY IN ACCORDANCE WITH THE PROJECT SPECIFICATION AND REQUIREMENTS OF CoGC COUNCIL.
10. "AS CONSTRUCTED" SURVEY
"AS CONSTRUCTED" SURVEY SHALL BE CARRIED OUT BY THE PRINCIPAL'S SURVEYOR AS WORK PROCEEDS. THE CONTRACTOR IS TO PROVIDE ADEQUATE NOTICE TO THE PRINCIPAL'S SURVEYOR ON WHEN THIS IS REQUIRED TO ENSURE COMPLIANCE WITH THE REQUIREMENTS OF CoGC COUNCIL.
11. MAINTENANCE OF SITE CONDITION
AT THE COMPLETION OF WORKS THE SITE IS TO BE LEFT IN A CLEAN AND TIDY CONDITION TO THE SATISFACTION OF THE SUPERINTENDENT AND CoGC.

- a. THE OBJECTIVES OF THE EROSION AND SEDIMENT CONTROL PROGRAM ARE:
 - a. ALLOW STORMWATER TO PASS THROUGH THE SITE IN A CONTROLLED MANNER AT NON-EROSIVE FLOW VELOCITIES.
 - b. MINIMISE SOIL EROSION FROM WATER AND WIND
 - c. MINIMISE ADVERSE EFFECTS OF SEDIMENT RUNOFF.
 - d. MINIMISE OR PREVENT ENVIRONMENTAL HARM ASSOCIATED WITH DISCHARGE FROM THE CONSTRUCTED SITE.
 - e. ENSURE THAT THE VALUE AND USE OF RESIDENTIAL AND INDUSTRIAL PROPERTIES ADJACENT TO THE DEVELOPMENT ARE NOT DIMINISHED AS A RESULT OF THE MIGRATION OF SEDIMENT FROM THE DEVELOPMENT.
2. THE EROSION AND SEDIMENT CONTROL PROGRAM SHALL COMPLY WITH THE ENVIRONMENTAL BEST ENGINEERING GUIDELINES FOR QUEENSLAND CONSTRUCTION SITES, THE CURRENT INSTITUTION OF ENGINEERS AUSTRALIA AND LOCAL AUTHORITY GUIDELINES. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO CONTROL EROSION AND DOWNSTREAM SEDIMENTATION DURING ALL STAGES OF CONSTRUCTIONS INCLUDING THE MAINTENANCE PERIOD, NOTWITHSTANDING THE FINISHED EARTHWORK DESIGN SHOWN ON THE DRAWINGS THE CONTRACTOR IS RESPONSIBLE TO IMPLEMENT ADDITIONAL SEDIMENT CONTROL MEASURES AND DEVICES USING BEST PRACTICES AS NECESSARY TO MINIMISE THE QUANTITY LEAVING THE SITE DURING CONSTRUCTION AND UPON COMPLETION OF EARTHWORKS.
3. THE CONTRACTOR IS TO FOLLOW CONSTRUCTION PHASE AS OUTLINED IN THE CONSTRUCTION SEQUENCE/SILT MANAGEMENT PROGRAM. ALL SEDIMENT CONTROL DEVICES SHALL BE MONITORED, CLEANED AND/OR REPLACED WHENEVER THE ACCUMULATED SEDIMENT REDUCES THE CAPACITY BY 50%. ALL PERIMETER BANK/SWALES SHALL HAVE UNINTERRUPTED POSITIVE GRADE TO AN OUTLET. AT ALL TIMES THE CONTRACTOR SHALL MONITOR THE PREVAILING WEATHER CONDITIONS AND PROTECT ANY DOWNSTREAM CONSTRUCTION AND GULLY INLETS. INLETS TO HAVE SILT PROTECTION IN ACCORDANCE WITH KERB INLET PROTECTION DETAIL AT LOCATIONS SHOWN OR AS INDICATED BY THE ENGINEER.
4. PRIOR TO THE COMMENCEMENT OF EARTHWORKS, THE CONTRACTOR IS TO CARRY OUT SOIL TESTING (IF REQUIRED BY SUPERINTENDENT) TO DETERMINE THE DISPERSIVE CHARACTERISTICS OF THE SOIL AND RESULTS TO BE GIVEN TO THE ENGINEERS SO THE FINALIZATION OF THE EROSION AND SEDIMENT CONTROL PLAN CAN BE COMPLETE.
5. TOPSOIL SHALL BE STRIPPED AND STOCKPILED IN LOCATIONS AGREED WITH THE SUPERINTENDENT. CLEARING OF SITE AND STOCKPILE AREAS TO BE AS DIRECTED BY THE SUPERVISING ENGINEER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTROLLING DUST AT ALL TIMES INCLUDING WEEKENDS AND PUBLIC HOLIDAYS.
6. SUITABLE ACCESS SHALL BE PROVIDED TO ALLOW MAINTENANCE OF ALL SEDIMENT CONTROL DEVICES (IT IS TO BE NOTED THAT CLEARING SHALL ONLY OCCUR IN AREAS WHERE THERE IS NO OTHER ALTERNATIVE TO GAIN ACCESS TO THE LOCATION OF THE SEDIMENT CONTROL DEVICES). APPROVAL FOR REMOVAL OF PROTECTED SIZE VEGETATION MUST BE OBTAINED PRIOR TO CLEARING.

7. ROCK BUNDS TO BE PLACED AROUND ALL HEADWALLS DURING CONSTRUCTION.
8. 0.8m TURF IS TO BE PLACED BEHIND ON ALL BATTERS WITHIN PRIVATE OPEN SPACE STEEPER THAN 1:4 UNLESS OTHERWISE NOTED. THE EXTENT OF GRASSING SHALL BE DETERMINED BY THE ENGINEER AND SHALL BE SEED, AS SPECIFIED, WITHIN 7 DAYS OF FINAL TRIMMING. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT GRASS STRIKE RATES ARE ACHIEVED AT ON AND OFF MAINTENANCE INSPECTION IN ACCORDANCE WITH COUNCIL REQUIREMENTS.
9. TURF IS TO BE PLACED FROM BACK OF KERB TO ROAD RESERVE BOUNDARY ON ALL ROADS AFTER EARTHWORKS ARE COMPLETE.
10. GEO-FABRIC LINING OF CHANNELS AND CHECK DAMS MAY BE REQUIRED SUBJECT TO THE SITE CONDITIONS.
11. FILLING AND OR MAINTENANCE OF EXISTING AND OR SEDIMENT BASINS MAY REQUIRE FLOCCULATION.
12. BATTERS WITHIN PUBLIC OPEN SPACE TO BE VEGETATED IN ACCORDANCE WITH THE APPROVED OPEN SPACE MANAGEMENT PLAN (OSMP).
13. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CLEAN OUT GPT'S, SEDIMENT FOREBAYS AND ALL OTHER SEDIMENT CONTROL DEVICES DURING CONSTRUCTION AND PRIOR BOTH ON AND OFF MAINTENANCE INSPECTIONS WITH CoGC. THE CONTRACTOR SHALL ALLOW FOR THE COST OF THESE WORKS WITHIN THEIR SUBMITTED TENDER PRICE.

PRE START

- a. ERECT SITE SIGNAGE, CONSTRUCT ENTRY AND EXIT POINT AS INDICATED BY INDICATED CONSTRUCTION VEHICLE WASH-DOWN AREA AND ASSOCIATED SILT MANAGEMENT DEVICES.
- b. CONSTRUCT SITE OFFICE AND STORAGE COMPOUND AREA
- c. ERECT SILT FENCE AT LOW POINTS OF THE SITE AS DEMONSTRATED
- d. ERECT TEMPORARY TREE PROTECTION FENCING FOR VEGETATION TO BE RETAINED IN ACCORDANCE WITH AN OPW (TREE CLEARING) APPROVAL OR IN ACCORDANCE WITH AS4970 PROTECTION OF TREES ON DEVELOPMENT SITE.
- e. CONSTRUCT ROCK CHECK DAMS AND SILT FENCE DOWN STREAM OF BASIN.
- f. CONSTRUCT BASIN TO FULL DEPTH.
- g. CONSTRUCT BALANCE OF BASIN IN CONJUNCTION WITH CLEARING AND BULK EARTHWORKS OPERATIONS.
- h. BASIN TO BE UTILISED AS A TEMPORARY SEDIMENT BASIN. DO NOT FILL IN FILTRATION MATERIAL UNTIL CONSTRUCTION OF DEVELOPMENT IS COMPLETE.

2. CLEARING AND BULK EARTHWORKS

THERE SHALL BE NO CLEARING OF PROTECTED SITE VEGETATION WITHOUT AN APPROVED TREE CLEARING PLAN WHICH SHALL BE IN ACCORDANCE WITH AS4970.

SILT FENCE, SAND BAGS AND EARTH RILLS WITHIN ROADS TO BE ERECTED AS INDICATED OR REQUIRED DURING CLEARING & EARTHWORKS.

SUPERINTENDENT TO CONFIRM THE EXTENT OF CLEARING PRIOR TO COMMENCEMENT OF WORKS.

3. CONSTRUCTION OF SEWER/ROOFWATER/ STORMWATER/SERVICES

EXCAVATED MATERIAL TO BE PLACED ON HIGH SIDE OF TRENCH AND TO PROTECT PIPE WORK AND DIRECT SURFACE MATERIAL AWAY FROM EXCAVATIONS.

TOPSOIL AND GRASS SEED AREAS IN ALLOTMENTS IMMEDIATELY AFTER COMPLETING THE SEWER AND ROOFWATER DRAINAGE CONSTRUCTION.

DEPRESS GROUND AROUND TEMPORARY FIELD INLETS TO CREATE SILT POND.

4. CONSTRUCTION – SEDIMENT BASINS

SEDIMENT BASIN TO BE CONSTRUCTED TO THE EARTHWORK PROFILES SHOWN.

STORMWATER OUTLET PIPES TO BE TEMPORARY BLOCKED OFF UNTIL DECOMMISSIONING OF SEDIMENT BASIN (SUBSEQUENT TO CONSTRUCTION OF ALL STAGES).

PLACE SPOIL FROM SEDIMENT BASIN INTO ALLOCATED AREAS AS ENGINEERED FILL IN ACCORDANCE WITH THE STAGING ORDER.

SEDIMENT BASIN SHALL ONLY BE REMOVED AFTER APPROVAL BY SUPERINTENDENT AND COUNCIL.

5. CONSTRUCTION – STOCKPILING

TEMPORARY SILT FENCE TO BE ERECTED 5m FROM TOE OF BATTER ON LOW SIDE OF STOCKPILING.

STOCKPILE SITE TO BE CLEARED OF ADJACENT PROPERTY BOUNDARIES SO AS NOT TO CAUSE NUISANCE TO ADJOINING PROPERTIES.

NO STOCKPILES ARE TO BE LOCATED WITHIN THE DRIP ZONE OR STRUCTURAL ROOT ZONE OF ANY RETAINED VEGETATION.

6. CONSTRUCTION – ROADWORKS

SILT FENCES TO ALLOTMENTS TO BE ERECTED.

KERB INLET PROTECTION TO BE PROVIDED TO ALL GULLIES.

7. CONSTRUCTION – ALLOTMENTS

TOPSOIL AND SEED ALLOTMENTS.

SILT FENCES TO ALLOTMENTS TO BE RE-ERECTED.

COVERS TO GULLY GRATES TO BE REMOVED IF THE SUPERINTENDENT INDICATE THE GRASS STRIKE IS SUFFICIENT (80% WITHIN 30 CALENDAR DAYS OF FINAL ALLOTMENT RIMMING).

8. POST CONSTRUCTION – ALLOTMENTS

TOPSOIL AND GRASS SEED ALL ALLOTMENTS.

COVERS TO GULLY GRATES TO BE REMOVED IF THE SUPERINTENDENT INDICATES THE GRASS STRIKE IS SUFFICIENT (80% WITHIN 30 CALENDAR DAYS OF FINAL ALLOTMENT TRIMMING).

9. POST CONSTRUCTION – BASIN

BASIN TO CONTINUE ACTING AS SEDIMENT BASIN UNTIL COMPLETION OF ALL STAGES.

10. POST CONSTRUCTION – ROAD RESERVES

TOPSOIL AND TURFING IS TO BE PROVIDED BEHIND KERB.

II. MAINTENANCE (PRE TO POST CONSTRUCTION)

THE SILT FENCES ARE TO BE INSPECTED WEEKLY.

ANY REPAIRS REQUIRED ARE TO BE EFFECTED IMMEDIATELY.

SILT AFTER RAIN IS TO BE CLEANED FROM STREETS AND ALLOTMENTS IMMEDIATELY AND CORRECTIVE ACTION TAKEN TO AVOID A RE-OCCURRENCE OF THE FAILURE.

PRIOR TO COMMENCING CONSTRUCTION OF THE DETENTION BASIN THE DIVERSION OF SURFACE WATER FROM THE PROPOSED WORK AREAS, USING MEASURES SUCH AS OPEN DRAINS/SUMPS, ARE REQUIRED TO AID IN SITE DE-WATERING. BASIN IS TO CONTINUE ACTING AS SEDIMENT BASIN UNTIL 85% OF CATCHMENT CONSTRUCTION IS COMPLETE.

THE CLAY FILLING FOR THE BASIN WALLS SHALL BE PLACED IN HORIZONTAL LAYERS OF 200mm THICKNESS AND COMPACTED TO DENSITY RATIO WITHIN THE RANGE 98% -102% STANDARD COMPACTION (AS 1289.5.1.1). PLACEMENT MOISTURE CONTENT SHOULD BE WITHIN THE RANGE OMC -1% TO OMC -2% (WHERE OMC = OPTIMUM MOISTURE CONTENT FOR STANDARD COMPACTION). CONTRACTOR TO PROVIDE SAFETY FENCING TO BASIN DURING CONSTRUCTION AND APPROPRIATE SIGNAGE (PERMANENT OR TEMPORARY).

1. ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH CURRENT SOUTH EAST QUEENSLAND WATER SUPPLY CODE SPECIFICATIONS AND STANDARDS.
2. UNLESS SPECIFIED OTHERWISE ALL MATERIALS AND WORK SHALL COMPLY WITH THE RELEVANT AUSTRALIAN STANDARDS.
3. ADOPT LIP OF KERB OR SHOULDER OF ROAD AS PERMANENT LEVEL.
4. FOR COVER ON MAINS FROM PERMANENT LEVEL REFER TO DTMR TABLE 5.2.1 WITHIN TECHNICAL NOTE 163 'THIRD PARTY UTILITY INFRASTRUCTURE INSTALLATION IN STATE CONTROLLED ROAD' TECHNICAL GUIDELINES'.
5. CONDUITS TO BE INSTALLED IN ACCORDANCE WITH THE CITY OF GOLD COAST/GOLD COAST WATER STANDARD DRAWINGS.
6. ALL MATERIALS USED IN THE WORKS SHALL COMPLY WITH THE SEQ-SP's ACCEPTED PRODUCTS AND MATERIALS LIST.
7. ALL CONCRETE FOOTPATHS TO BE CLEAR OF WATER MAINS.
8. THE CONSTRUCTION OF THE WATER RETICULATION WORK SHOWN ON THIS DRAWING MUST BE SUPERVISED BY AN ENGINEER WHO HAS RPEQ REGISTRATION. WORKS NOT COMPLYING WITH THIS REQUIREMENT WILL NOT BE PERMITTED TO CONNECT TO THE RETICULATION SYSTEM.

Development shall comply with the conditions of approval as detailed in the Decision Notice and Council's Planning Scheme, Local Laws and Planning Policies

Client:

 **FRASERS
PROPERTY**

FRASERS PROPERTY
(AUSTRALIA) PTY. LTD.

Site Address:
60 STAPYLTON JACOBS WELL
ROAD, STAPYLTON QLD 4207

RPD:	
Lot:	501
Plan:	SP295994
Local Authority:	CITY OF GOLD COAST COUNCIL
Level Datum:	AHD
Meridian:	-
Contour Interval:	-
PSM:	-
RL:	-

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DRAWING TITLE

GENERAL NOTES

NOT APPLICABLE

Drawing No:	Rev. No:
5941 ENG SJW WAT 002	B

OVERLAND FLOW PATH/SWALE
CATCH DRAIN (NOT LINED)
DIVERSION CHANNEL
TABLE DRAIN
STREAM INVERT
CATCH DRAIN (CONCRETE LINED)
SUBSOIL DRAINAGE
SAWCUT
SEDIMENT FENCE
CHAINWIRE FENCE
WOODEN FENCE
BRIFEN WIRE SAFETY BARRIER
PROPOSED GUARDRAIL
RETAINING WALL (PILED)
RETAINING WALL (WITH FOOTINGS)
RETAINING WALL
ROCKBLOCK RETAINING WALL
TOP OF BATTER / BERM
NOISE WALL
EDGE OF VEGETATION
PROPERTY LINE
PROPERTY LINE WITH FENCE
PROPOSED KERB, FOOTPATH
CONTROL LINE / CENTER OF ROAD
RAILWAY (MAJOR)
RAILWAY (MINOR)
EXISTING PROPERTY LINE
EXISTING PROPERTY LINE WITH FENCE
EXISTING KERB, FOOTPATH
EXISTING GUARD RAIL
EXISTING EDGE OF BITUMEN
EXISTING RAILWAY (MAJOR)
EXISTING RAILWAY (MINOR)
LIMIT OF WORKS
LIMIT OF SITE
CATCHMENT BOUNDARY
1.0
EXISTING CONTOURS
1.0
DESIGN CONTOURS

	PROPOSED TRUNK SEWER
	PROPOSED RETICALTION SEWER (ø150)
	PROPOSED STORMWATER
	PROPOSED ROOFWATER
	PROPOSED ROOFWATER
	PROPOSED SUBSOIL
	INTERNAL PROPOSED WATER
	PROPOSED WATER MAIN RELOCATION
	PROPOSED RECYCLED WATER
	PROPOSED OIL
	PROPOSED FUEL
	PROPOSED GAS MAIN RELOCATION
	PROPOSED PIPELINE
	PROPOSED HIGH VOLTAGE ELECTRICITY
	PROPOSED UNDERGROUND ELECTRICITY
	PROPOSED OVERHEAD ELECTRICITY
	PROPOSED LIGHTING
	PROPOSED TELSTRA
	PROPOSED COMMUNICATIONS
	PROPOSED GAS, ELECT
	PROPOSED GAS, TELSTRA
	PROPOSED ELECT, TELSTRA
	PROPOSED GAS, ELECTRICITY, TELSTRA
	EXISTING RISING MAIN
	EXISTING SEWER
	EXISTING STORMWATER
	EXISTING ROOFWATER
	EXISTING SUBSOIL
	EXISTING WATER
	EXISTING ABANDONED WATER PIPE IN PLACE
	EXISTING RECYCLED WATER
	EXISTING OIL
	EXISTING FUEL
	EXISTING GAS
	EXISTING PIPELINE
	EXISTING HIGH VOLTAGE ELECTRICITY
	EXISTING UNDERGROUND ELECTRICITY
	EXISTING OVERHEAD ELECTRICITY
	EXISTING LIGHTING
	EXISTING TELSTRA
	EXISTING COMMUNICATIONS
	EXISTING GAS, ELECT
	EXISTING GAS, TELSTRA
	EXISTING ELECT, TELSTRA
	EXISTING GAS, ELECTRICITY, TELSTRA

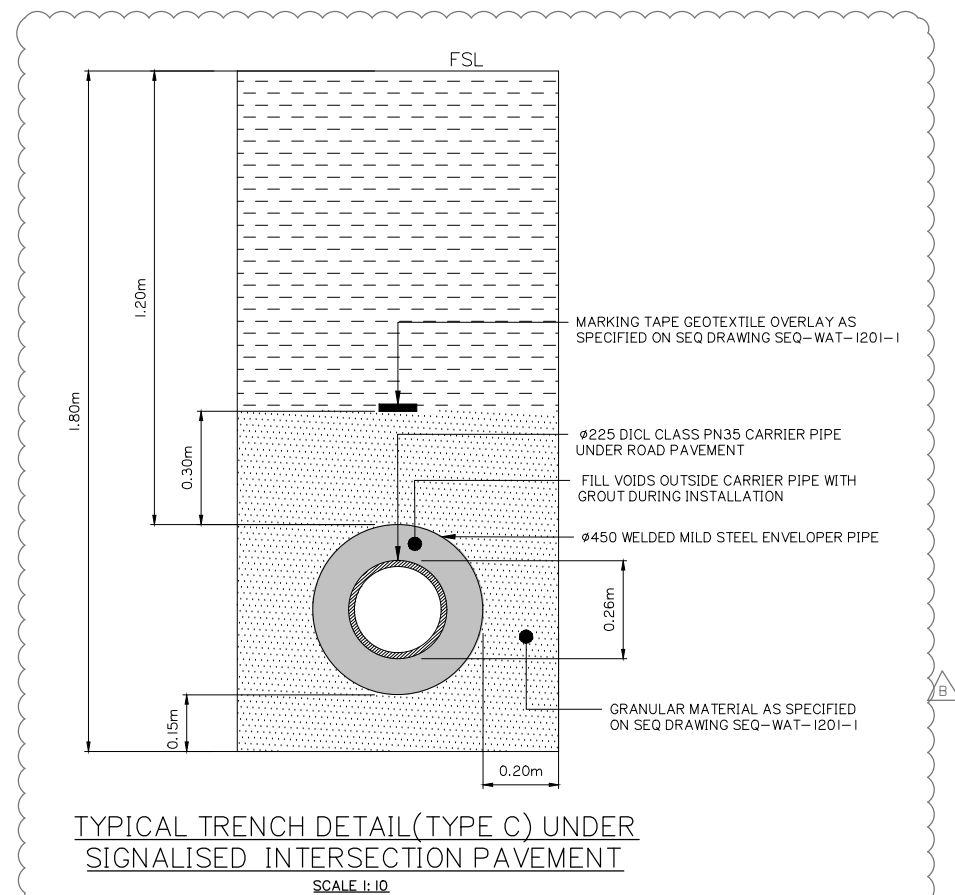
BK(A)	BARRIER KERB (A)
BK(B)	BARRIER KERB (B)
BK(G)	BARRIER KERB (G)
MK(D)	MOUNTABLE KERB (D)
SMK(C)	SEMI MOUNTABLE KERB (C)
ER(E)	EDGE RESTRAINT (E)
KER(F)	KERB EDGE RESTRAINT (F)
RK&C(H)	ROLL TOP KERB & CHANNEL (H)
BK&C(J)	BARRIER KERB & CHANNEL (J)
ERH	KERB EDGE RESTRAINT (HIGH)
ERL	KERB EDGE RESTRAINT (LOW)
CS(K/L)	CHANNEL SECTION (K/L)
PMB	PRECAST MOTOR BED
DD	DISH DRAIN
K&G	KERB AND GUTTER
K&T	KERB AND TOE
KO	KERB ONLY
MK	MOUNTABLE KERB
RK	ROLL KERB
	EXISTING SIGN
	PROPOSED SIGN
	PROPOSED ROAD EDGE GUIDE POST
	EXISTING BIN
	POST BOX
	TELEPHONE BOX
	TELSTRA PIT
	TELSTRA MARKER POST
	WATER METER
	WATER VALVE
	WATER TAP
	WATER HYDRANT
	WATER TEE
	WATER REDUCER
	WATER ENDCAP
	WATER CONNECTION
	SEWER MANHOLE
	SEWER RODDING END
	SEWER BEND
	SEWER MAINTENANCE SHAFT
	SEWER 'T' END
	SEWER SLUICE VALVE
	SEWER PIT
	SEWER PUMP STATION
	TEMPORARY SEWER PUMP STATION
	SEWER / STORMWATER PIT NO/LINE
	SETOUT POINT
	OFFSET PIT WITH GRATE
	IN LINE PIT WITH GRATE
	JUNCTION PIT
	LETTERBOX PIT
	GRATED INLET PIT
	MANHOLE
	GULLY PIT (LIP INLINE) BARRIER KERB
	GULLY PIT (LIP INLINE) BARRIER KERB
	GULLY PIT (LIP INLINE) ROLL TOP KERB
	GULLY PIT (LIP INLINE) ROLL TOP KERB
	GULLY PIT (KERB INLINE) – GRADE
	GULLY PIT (KERB INLINE) – SAG
	INFILTRATION TRENCH
	HEADWALL
	GROSS POLLUTANT TRAP
	STORMWATER CHAMBER
	BUND
	POWER POLE
	POWER POLE WITH LIGHT
	LIGHT POLE
	STAY POLE
	LIGHT POLE WITH EXTENSION
	ELECTRICAL INSPECTION BOX
	ELECTRICAL POLE

	ELECTRICAL TURRET
	TRAFFIC SIGNAL
	MAIN ROADS PIT
	TANGENT POINT
	KERB RETURN NO.
	PRAM RAMP
	GRAVEL ROCK CHECK DAM
	MESH & GRAVEL INLET FILTER
	STORMWATER INLET FILTER
	DIRECTION OF OVERLAND FLOW
	VEHICLE SHAKEDOWN
	GATE
	NOT IN SCOPE OF WORKS
	DEMOLITION
	PROPOSED CONCRETE FOOTPATH
	SCOUR PROTECTION
	TREES
	EARTHWORKS BATTER TADPOLE

Development shall comply with the conditions of approval as detailed in the Decision Notice and Council's Planning Scheme, Local Laws and Planning Policies

Drawing No:	Rev. No:
5941 ENG SJW WAT 003	A

Drawing No:	Rev. No:
5941 ENG SJW WAT 004	B

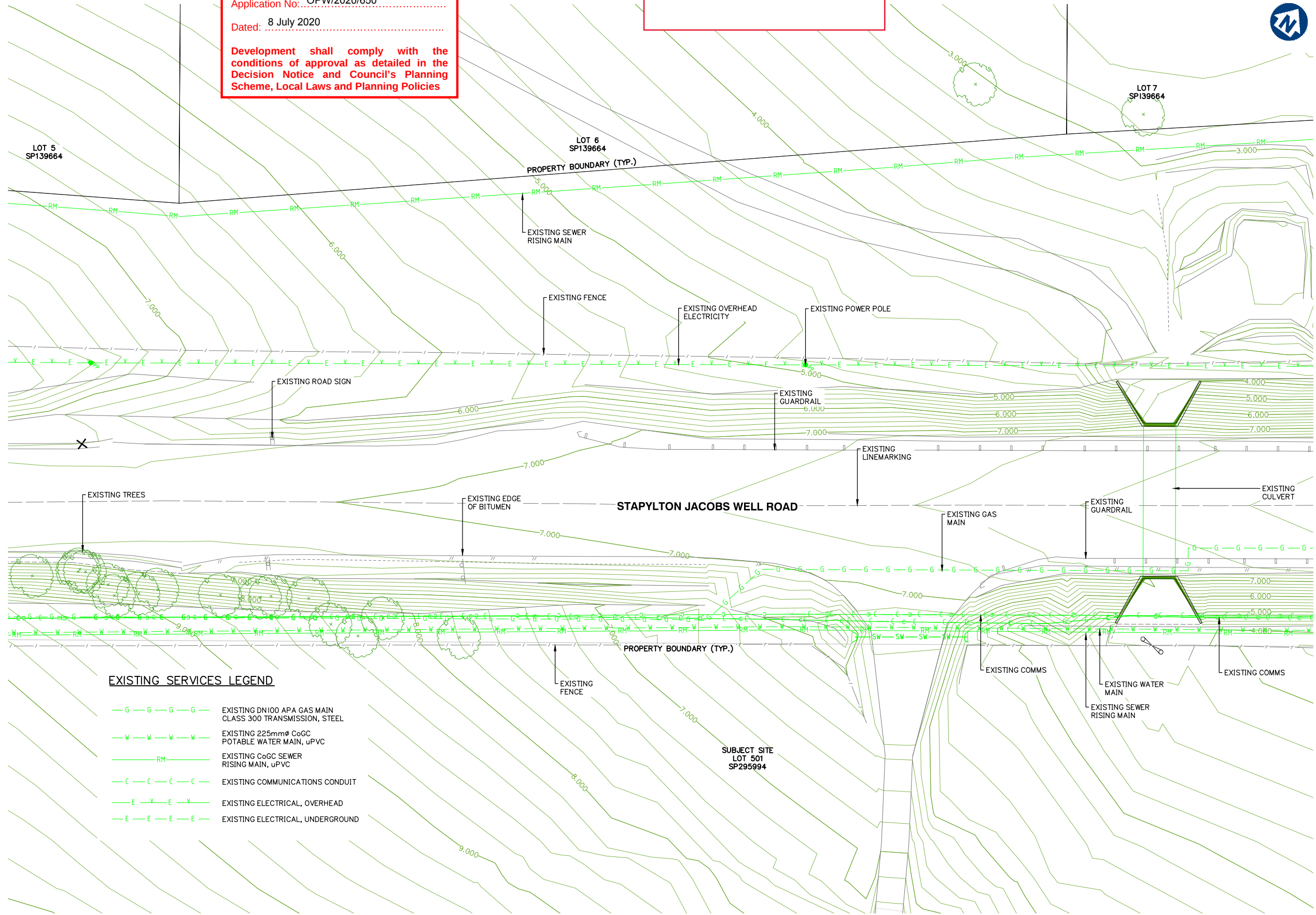


IN ACCORDANCE WITH SEQ-WAT-1205-1

Development shall comply with the conditions of approval as detailed in the Decision Notice and Council's Planning Scheme, Local Laws and Planning Policies

Development shall comply with the conditions of approval as detailed in the Decision Notice and Council's Planning Scheme, Local Laws and Planning Policies

This permit covers only Water Infrastructure Works.



— G — G — G — G —	EXISTING DN100 APA GAS MAIN CLASS 300 TRANSMISSION, STEEL
— W — W — W — W —	EXISTING 225mmØ CoGC POTABLE WATER MAIN, uPVC
————— RM —————	EXISTING CoGC SEWER RISING MAIN, uPVC
— C — C — C — C —	EXISTING COMMUNICATIONS CONDUIT
— E — V — E — V —	EXISTING ELECTRICAL, OVERHEAD
— E — E — E — E —	EXISTING ELECTRICAL, UNDERGROUND

Rev. No:
A

NOTE:

- EXISTING COMMUNICATIONS EXISTING SEWER RISING MAIN AND EXISTING WATER MAIN SHOWN ON THIS DRAWING ARE BASED ON A POTHOLED ALIGNMENT. HOWEVER, ALL DEPTHS AREA BASED ON ASSUMED MINIMUM COVER. ADDITIONAL SERVICES LOCATION POTHOLING IS CURRENTLY BEING UNDERTAKEN TO IMPROVE THE LOCATION ACCURACY OF THE DEPTH OF THESE SERVICES WITHIN THE STATE ROAD CORRIDOR.

PLANS AND DOCUMENTS referred to in the
DEVELOPMENT APPROVAL

Application No: OPW/2020/650

Dated: 8 July 2020

Development shall comply with the conditions of approval as detailed in the Decision Notice and Council's Planning Scheme, Local Laws and Planning Policies

This permit covers only Water Infrastructure Works.

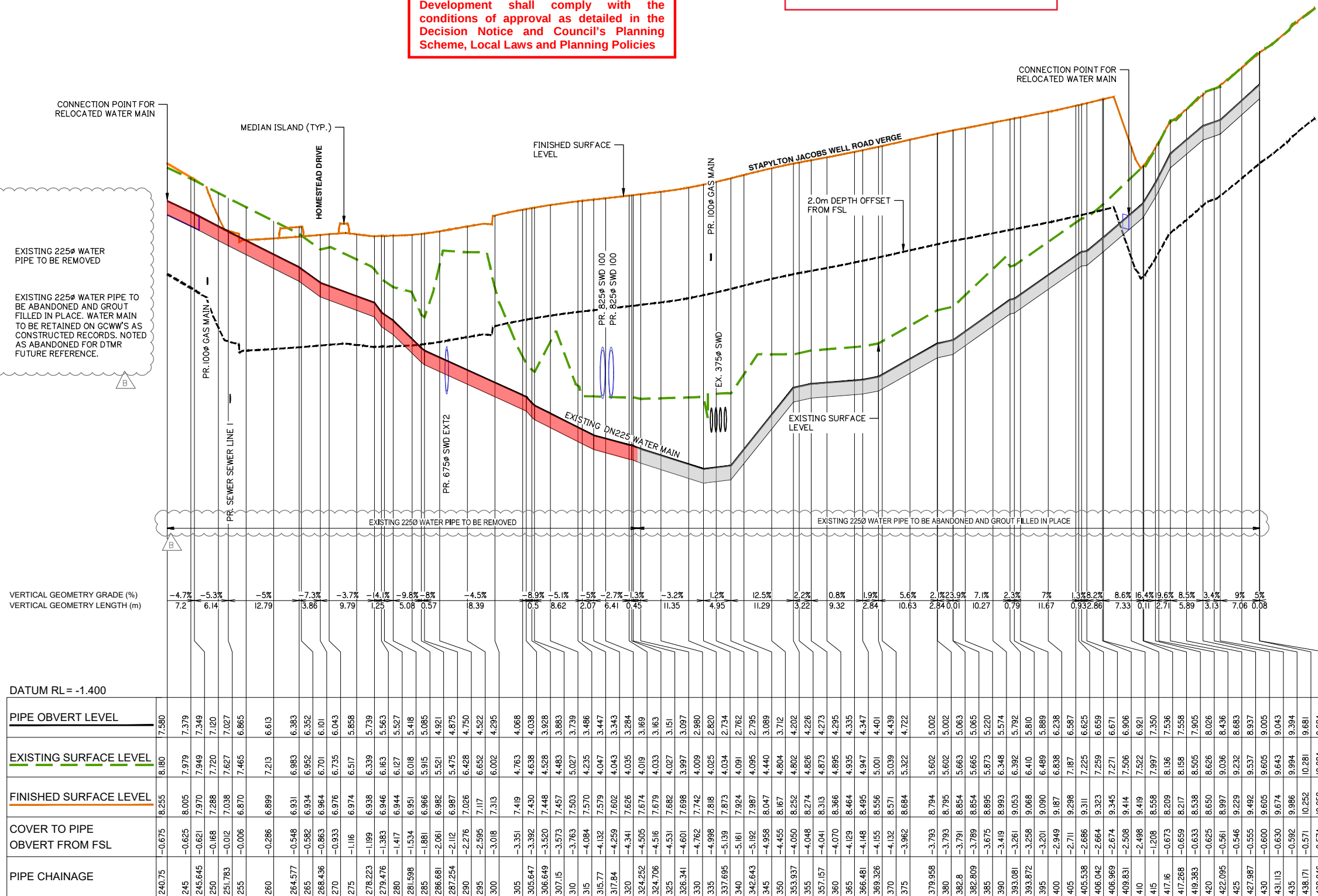
LEGEND



EXISTING 225mm WATER PIPE TO BE REMOVED



EXISTING 225mm WATER PIPE TO BE ABANDONED AND GROUT FILLED IN PLACE. WATER MAIN TO BE RETAINED ON GCWW'S AS CONSTRUCTED RECORDS. NOTED AS ABANDONED FOR DTMR FUTURE REFERENCE.



LONGITUDINAL SECTION – EXISTING DN225 WATER MAIN

At HORIZ SCALE: 1 : 400
At VERT SCALE: 1 : 40

Client:



FRASERS PROPERTY
(AUSTRALIA) PTY. LTD.

Project:

VANTAGE YATALA

Site Address:

60 STAPYLTON JACOBS WELL
ROAD, STAPYLTON QLD 4207

THIS DRAWING IS INTENDED TO
BE PRINTED IN COLOUR

RPD:

Lot: 501
Plan: SP295994
Local Authority: CITY OF GOLD COAST
COUNCIL
Level Datum: AHD
Meridian: -
Contour Interval: -
PSM: -
RL: -

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ALL DRAWINGS ARE TO BE READ IN CONJUNCTION WITH GENERAL NOTES

DRAWING TITLE

EXISTING WATER MAIN
LONGITUDINAL SECTION

B	30-06-2020	INFORMATION REQUEST RESPONSE	SK	MG
A	06-05-2020	ORIGINAL ISSUE	SK	MG
Issue	Date	Description	DRN	CHK

HOZ: Scale 1:400 - Lengths are in METRES.
0 5 10 15 20 25 30

VERT: Scale 1:40 - Lengths are in Metres.
0 0.5 1.0 1.5 2.0 2.5 3.0

Scale at A1: AS SHOWN

Designed:	IG
Drafted:	SK
Approved:	MG
RPEQ:	16939
Signed:	
Date:	30-06-2020

Drawing No: 5941 ENG SJW WAT 008

Rev. No: B

NOTE:

- ABANDON EXISTING WATER MAIN FOLLOWING LIVE CONNECTION WORKS (84.90m LENGTH).
- WATER MAIN RELOCATION ALONG STAPYLTON JACOBS WELL ROAD TO BE DN225 PVC-M CLASS PN20 SERIES 2 AND TO BE DN225 DICL CLASS PN35 UNDER ROADS. 2.0m MAX DEPTH.

WATER FITTING SCHEDULE

No	DESCRIPTION
1	FIRE HYDRANT
2	BEND 45°
3	BEND 22.5°
4	BEND 11.25°
5	SLUICE VALVE
6	225X225 DICL PN35 TEE
7	225X150 DICL PN35 FLANGED TAPER
8	GIBBAULT JOINTS
9	END CAP

PROPOSED SERVICES LEGEND

- TRUNK GRAVITY SEWER
- RETICULATION SEWER (150Ø)
- PROPOSED GAS MAIN RELOCATION (DN100 CLASS 300)
- INTERNAL PROPOSED WATER
- PROPOSED DN225 WATER MAIN RELOCATION WITH RUNNING CHAINAGE. REFER LONGITUDINAL SECTION DWG.5941 ENG SJW WAT 011
- PROPOSED ENVELOPER ENCASED DN225 DICL CLASS PN35 PIPE RELOCATION WITH RUNNING CHAINAGE. REFER LONGITUDINAL SECTION DWG.5941 ENG SJW WAT 011
- STORMWATER DRAINAGE

EXISTING SERVICES LEGEND

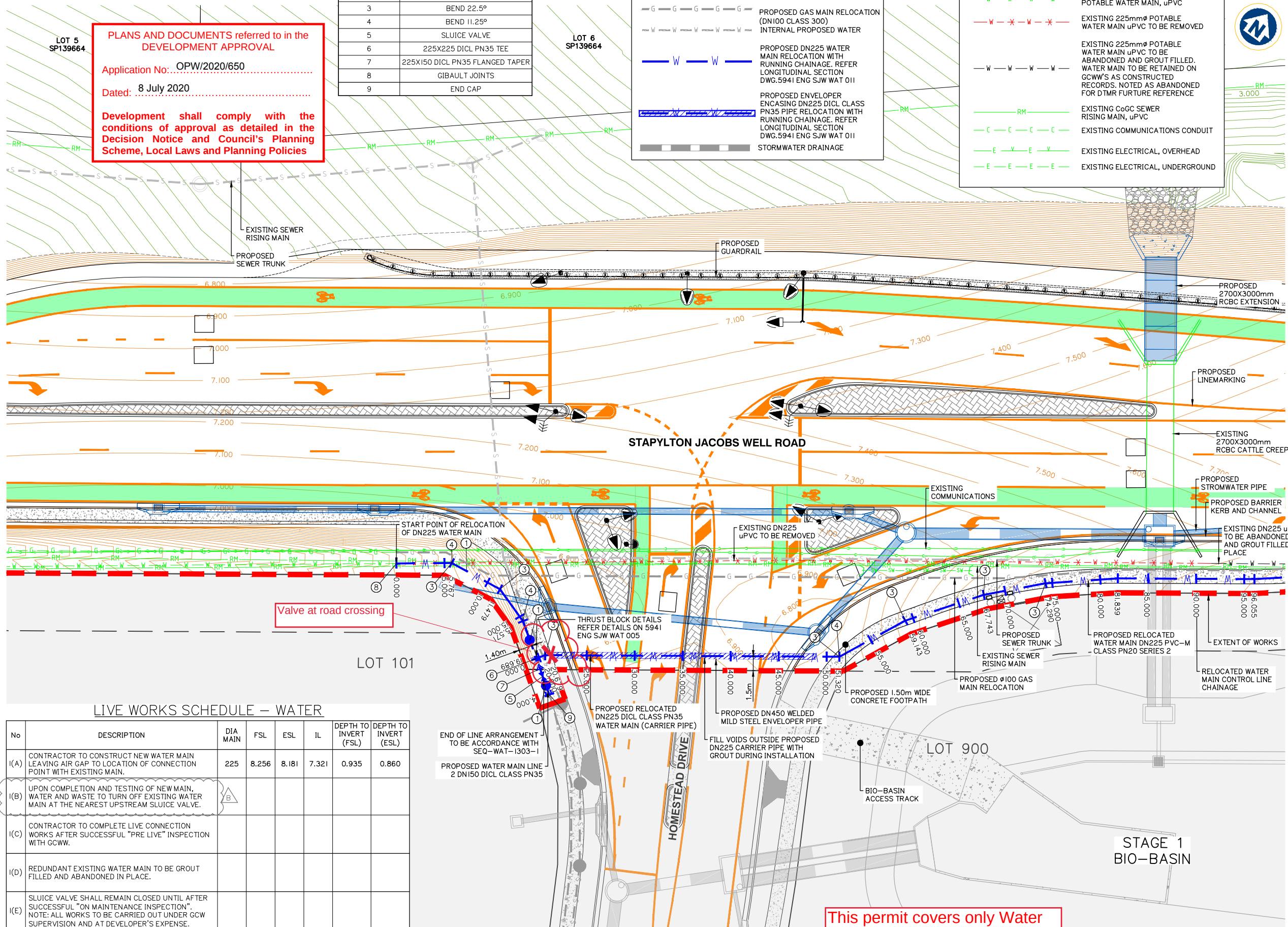
- EXISTING DN100 APA GAS MAIN CLASS 300 TRANSMISSION, STEEL
- EXISTING 225mmØ CoGC POTABLE WATER MAIN, uPVC
- EXISTING 225mmØ POTABLE WATER MAIN uPVC TO BE REMOVED
- EXISTING 225mmØ POTABLE WATER MAIN uPVC TO BE ABANDONED AND GROUT FILLED. WATER MAIN TO BE RETAINED ON GCWW'S AS CONSTRUCTED RECORDS. NOTED AS ABANDONED FOR DTMR FUTURE REFERENCE
- EXISTING CoGC SEWER RISING MAIN, uPVC
- EXISTING COMMUNICATIONS CONDUIT
- EXISTING ELECTRICAL, OVERHEAD
- EXISTING ELECTRICAL, UNDERGROUND

PLANS AND DOCUMENTS referred to in the DEVELOPMENT APPROVAL

Application No: OPW/2020/650

Dated: 8 July 2020

Development shall comply with the conditions of approval as detailed in the Decision Notice and Council's Planning Scheme, Local Laws and Planning Policies



LIVE WORKS SCHEDULE – WATER

No	DESCRIPTION	DIA MAIN	FSL	ESL	IL	DEPTH TO INVERT (FSL)	DEPTH TO INVERT (ESL)
I(A)	CONTRACTOR TO CONSTRUCT NEW WATER MAIN LEAVING AIR GAP TO LOCATION OF CONNECTION POINT WITH EXISTING MAIN.	225	8.256	8.181	7.321	0.935	0.860
I(B)	UPON COMPLETION AND TESTING OF NEW MAIN, WATER AND WASTE TO TURN OFF EXISTING WATER MAIN AT THE NEAREST UPSTREAM SLUICE VALVE.						
I(C)	CONTRACTOR TO COMPLETE LIVE CONNECTION WORKS AFTER SUCCESSFUL "PRE LIVE" INSPECTION WITH GCWW.						
I(D)	REDUNDANT EXISTING WATER MAIN TO BE GROUT FILLED AND ABANDONED IN PLACE.						
I(E)	SLUICE VALVE SHALL REMAIN CLOSED UNTIL AFTER SUCCESSFUL "ON MAINTENANCE INSPECTION". NOTE: ALL WORKS TO BE CARRIED OUT UNDER GCW SUPERVISION AND AT DEVELOPER'S EXPENSE.						

This permit covers only Water Infrastructure Works.

Client:

FRASERS PROPERTY
 FRASERS PROPERTY (AUSTRALIA) PTY. LTD.

Project:

VANTAGE YATALA

Site Address:

60 STAPYLTON JACOBS WELL ROAD, STAPYLTON QLD 4207

THIS DRAWING IS INTENDED TO BE PRINTED IN COLOUR

RPD:

Lot: 501
 Plan: SP295994
 Local Authority: CITY OF GOLD COAST COUNCIL
 Level Datum: AHD
 Meridian: -
 Contour Interval: -
 PSM: -
 RL: -

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DRAWING TITLE

DESIGN WATER
 ALIGNMENT SHEET 1 OF 2

B	30-06-2020	INFORMATION REQUEST RESPONSE	SK	MG
A	06-05-2020	ORIGINAL ISSUE	SK	MG
Issue	Date	Description	SK	MG

SCALE IN METRES

0 4 8 12 16 20

1:200 (FULL SIZE A1)
 1:400 (HALF SIZE A3)

Scale at A1: 1:200

Designed:	IG
Drafted:	SK
Approved:	MG
RPEQ:	16939
Signed:	
Date:	30-06-2020

Drawing No: 5941 ENG SJW WAT 009 Rev. No: B

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TRUNK GRAVITY SEWER

RETICULATION SEWER (1500)

PROPOSED GAS MAIN RELOCATION (DN100 CLASS 300)

INTERNAL PROPOSED WATER

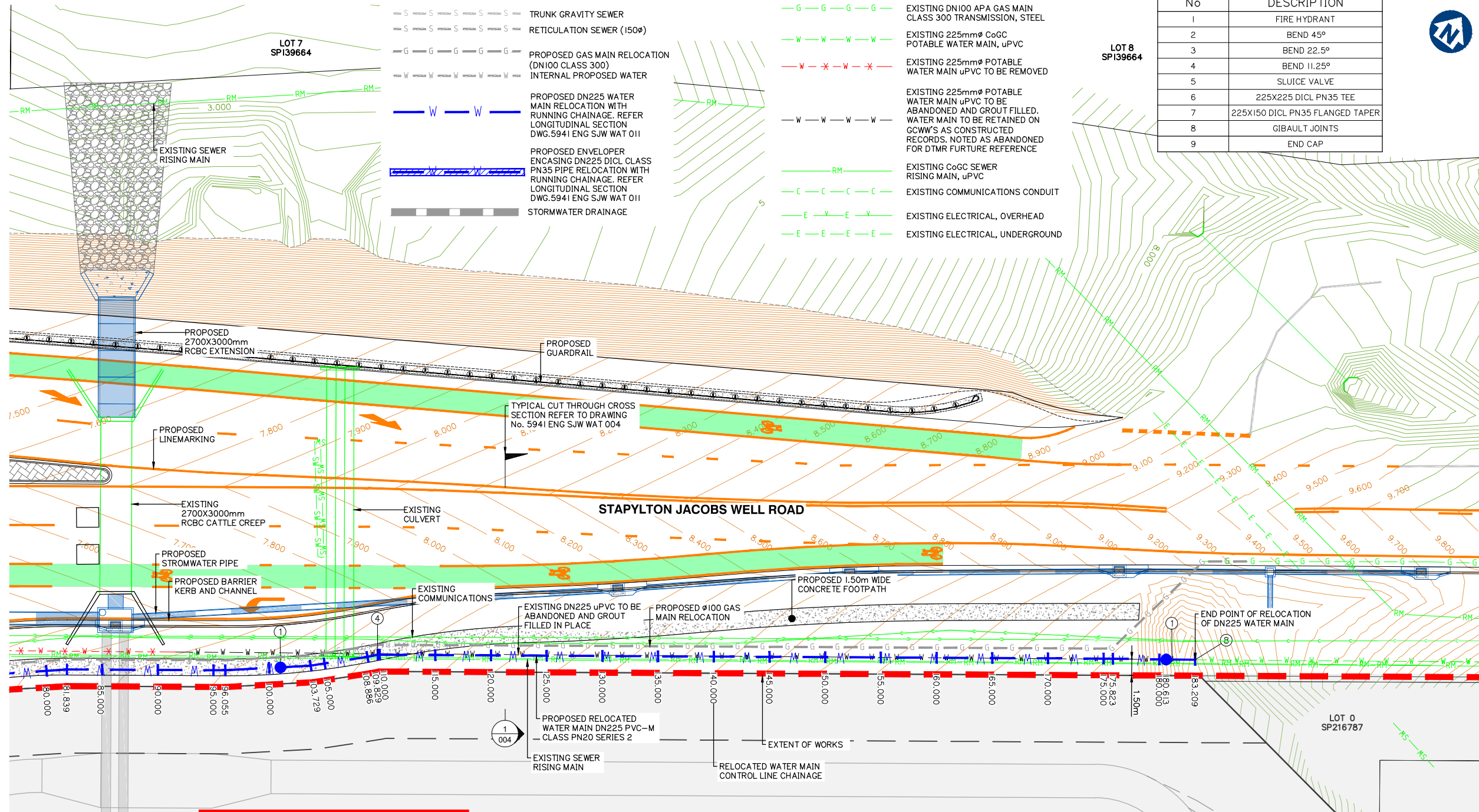
PROPOSED DN225 WATER MAIN RELOCATION WITH RUNNING CHAINAGE, REFER LONGITUDINAL SECTION DWG.5941 ENG SJW WAT 011

PROPOSED ENVELOPER ENCASING DN225 DICL CLASS PN35 PIPE RELOCATION WITH RUNNING CHAINAGE, REFER LONGITUDINAL SECTION DWG.5941 ENG SJW WAT 011

STORMWATER DRAINAGE

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	EXISTING 225mmø CoGC POTABLE WATER MAIN, uPVC
	EXISTING 225mmø POTABLE WATER MAIN uPVC TO BE REMOVED
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	EXISTING ELECTRICAL, OVERHEAD
	EXISTING ELECTRICAL, UNDERGROUND

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8	GIBAULT JOINTS
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I(A)	CONTRACTOR TO CONSTRUCT NEW WATER MAIN LEAVING AIR GAP TO LOCATION OF CONNECTION POINT WITH EXISTING MAIN.	225	8.210	8.136	7.277	0.933	0.850
I(B)	UPON COMPLETION AND TESTING OF NEW MAIN, WATER AND WASTE TO TURN OFF EXISTING WATER MAIN AT THE NEAREST UPSTREAM SLUICE VALVE.						
I(C)	CONTRACTOR TO COMPLETE LIVE CONNECTION WORKS AFTER SUCCESSFUL "PRE LIVE" INSPECTION WITH GCWW.						
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Drawing No:	Rev. No:
5941 ENG SJW WAT 010	B

