

May 29, 2019

Email: [REDACTED]

Dear [REDACTED]

Re: Request for Access to Information under Part II of the Access to Information and Protection Privacy Act (the ATIPP Act, 2015)

On May 16, 2019, the City of St. John's received your request for access to the following information:

The detailed engineering drawings produced by Fairview Investments through Pinnacle Engineering for the extension of Southlands Boulevard from Cyprus Drive to the Dewcor entrance to Clayton Developments.

Enclosed is the information you requested. All the enclosed drawings are preliminary and there has been no approval issued by the City for the proposed extension of Southlands Boulevard roadwork.

Please be advised that you may ask the Information and Privacy Commissioner to review the processing of your access request, as set out in Section 42 of the ATIPP Act. A request to the Commissioner must be made in writing within 15 business days of the date of this letter or within a longer period that may be allowed by the Commissioner:

Office of the Information and Privacy Commissioner
2 Canada Drive; P. O. Box 13004, Stn. A, St. John's, NL. A1B 3V8
Telephone: (709) 729-6309; Facsimile: (709) 729-6500

You may also appeal directly to the Supreme Court Trial Division within 15 business days after you receive the decision of the public body, pursuant to Section 52 of the Act.

If you have any further questions, please feel free to contact me by telephone at 576-8429 or by e-mail at kcutler@stjohns.ca.

Yours truly,



Kenessa Cutler
ATIPP Coordinator

ST. JOHN'S

SOUTHLANDS BOULEVARD EXTENSION - PART A (STA. 0+312 TO STA. 1+190)

ST. JOHN'S, NL

CLIENT:



CIVIL CONSULTANT:



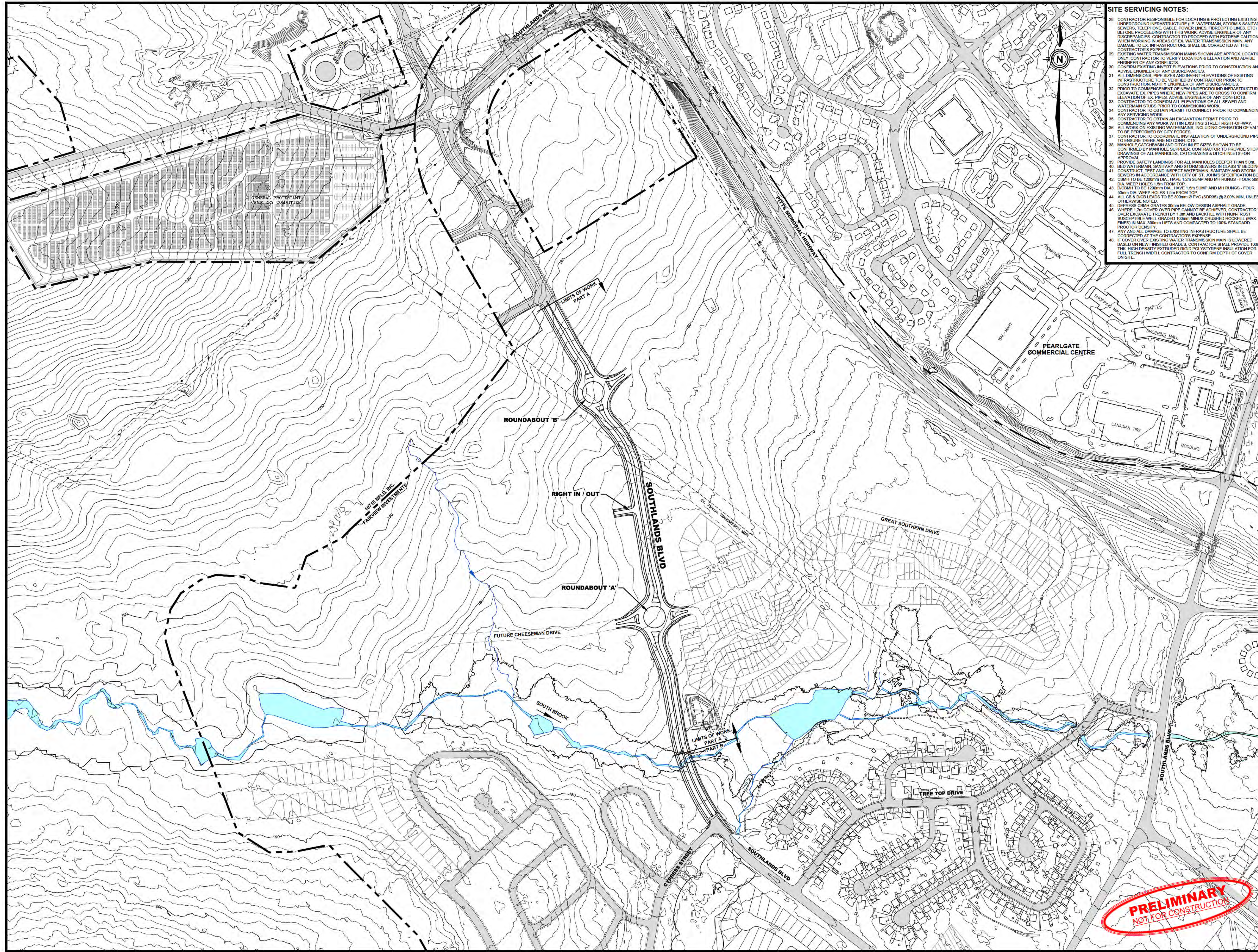
SUITE 202, 40 ABERDEEN AVENUE
ST. JOHN'S, NL, CANADA A1A 5T3
TEL: (709) 754-2114
FAX: (709) 738-0707

LIST OF DRAWINGS:

- C1 GENERAL PLAN
- C2 PLAN & PROFILE: SOUTHLANDS BLVD - 01
- C3 PLAN & PROFILE: SOUTHLANDS BLVD & STREET 'A'
- C4 PLAN & PROFILE: SOUTHLANDS BLVD - 02
- C5 PLAN & PROFILE: CHEESEMAN DRIVE & GREAT SOUTHERN DRIVE
- C6 PLAN & PROFILE: STREET 'B'
- C7 ROUNDABOUT 'A' - SITE GRADING PLAN
- C8 ROUNDABOUT 'B' - SITE GRADING PLAN
- C9 ROUNDABOUT 'A' - CURB LAYOUT & DIMENSIONS
- C10 ROUNDABOUT 'B' - CURB LAYOUT & DIMENSIONS
- C11 ROUNDABOUT 'A' - PAVEMENT MARKINGS & SIGNAGE
- C12 ROUNDABOUT 'B' - PAVEMENT MARKINGS & SIGNAGE
- C13 LANDSCAPING PLAN - 01
- C14 LANDSCAPING PLAN - 02
- D1 CIVIL CONSTRUCTION DETAILS - 01
- D2 CIVIL CONSTRUCTION DETAILS - 02

Project No. 19007A

MARCH 2019



- SITE SERVICING NOTES:**
- CONTRACTOR RESPONSIBLE FOR LOCATING & PROTECTING EXISTING UNDERGROUND INFRASTRUCTURE (E. WATERMAIN, STORM & SANITARY SEWERS, TELEPHONE, CABLE, POWER LINES, FIBROPTIC LINES, ETC) BEFORE PROCEEDING WITH THIS WORK. ADVISE ENGINEER OF ANY DISCREPANCIES. CONTRACTOR TO PROCEED WITH EXTREME CAUTION WHEN WORKING IN AREAS OF EX. WATER TRANSMISSION MAIN. ANY DAMAGE TO EX. INFRASTRUCTURE SHALL BE CORRECTED AT THE CONTRACTOR'S EXPENSE.
 - EXISTING WATER TRANSMISSION MAINS SHOWN ARE APPROX. LOCATION ONLY. CONTRACTOR TO VERIFY LOCATION & ELEVATION AND ADVISE ENGINEER OF ANY DISCREPANCIES.
 - CONFIRM EXISTING INVERT ELEVATIONS PRIOR TO CONSTRUCTION AND ADVISE ENGINEER OF ANY DISCREPANCIES.
 - ALL DIMENSIONS, PIPE SIZES AND INVERT ELEVATIONS OF EXISTING INFRASTRUCTURE TO BE VERIFIED BY CONTRACTOR PRIOR TO CONSTRUCTION. NOTIFY ENGINEER OF ANY DISCREPANCIES.
 - BEFORE COMMENCING NEW UNDERGROUND INFRASTRUCTURE, EXCAVATE EX. PIPES WHERE NEW PIPES ARE TO CROSS TO CONFIRM ELEVATION OF EX. PIPES. ADVISE ENGINEER OF ANY DISCREPANCIES. CONTRACTOR TO CONFIRM ALL ELEVATIONS OF ALL SEWER AND WATERMAIN STUBS PRIOR TO COMMENCING WORK.
 - CONTRACTOR TO OBTAIN PERMIT TO CONNECT PRIOR TO COMMENCING ANY SERVICING WORK.
 - CONTRACTOR TO OBTAIN AN EXCAVATION PERMIT PRIOR TO COMMENCING ANY WORK WITHIN EXISTING STREET RIGHT-OF-WAY.
 - ALL WORK ON EXISTING WATERMANS, INCLUDING OPERATION OF VALVES, TO BE PERFORMED BY CITY FORCES.
 - CONTRACTOR TO COORDINATE INSTALLATION OF UNDERGROUND PIPES TO ENSURE THERE ARE NO CONFLICTS.
 - MANHOLE CATCHBASIN AND DITCH INLET SIZES SHOWN TO BE CONFIRMED BY MANHOLE SUPPLIER. CONTRACTOR TO PROVIDE SHOP DRAWINGS OF ALL MANHOLES, CATCHBASINS & DITCH INLETS FOR APPROVAL.
 - PROVIDE SAFETY LANDINGS FOR ALL MANHOLES DEEPER THAN 9.0m.
 - BED WATERMAIN, SANITARY AND STORM SEWERS IN CLASS 'B' BEDDING. CONSTRUCT, TEST AND INSPECT WATERMAIN, SANITARY AND STORM SEWERS IN ACCORDANCE WITH CITY OF ST. JOHN'S SPECIFICATION BOOK CBM TO BE 1000mm DIA., HAVE 1.2m SLUMP AND MH RUNGS - FOUR 50mm DIA. WEEP HOLES 1.5m FROM TOP.
 - DIAM TO BE 1000mm DIA., HAVE 1.2m SLUMP AND MH RUNGS - FOUR 50mm DIA. WEEP HOLES 1.5m FROM TOP.
 - ALL 1.2m & 9.0m LISTS TO BE PERMIT (SDRS) @ 2.0% MIN. UNLESS OTHERWISE NOTED.
 - DEPRESS 20mm GRATES 50mm BELOW DESIGN ASPHALT GRADE.
 - WHERE 1.2m COVER OVER PIPE CANNOT BE ACHIEVED, CONTRACTOR TO OVER EXCAVATE TRENCH BY 1.0m AND BACKFILL WITH NON-FROST SUSCEPTIBLE WELL GRADED 100mm MINUS CRUSHED ROCKFILL (MAX 8% FINES) IN MAX. 300mm LIFTS AND COMPACTED TO 100% STANDARD PROCTOR DENSITY.
 - ANY AND ALL DAMAGE TO EXISTING INFRASTRUCTURE SHALL BE CORRECTED AT THE CONTRACTOR'S EXPENSE.
 - IF COVER OVER EXISTING WATER TRANSMISSION MAIN IS LOWERED BASED ON NEW FINISHED GRADES, CONTRACTOR SHALL PROVIDE 150mm THK. HIGH DENSITY EXTRUDED RIGID POLYSTYRENE INSULATION FOR FULL TRENCH WIDTH. CONTRACTOR TO CONFIRM DEPTH OF COVER ON-SITE.



- GENERAL NOTES:**
- DO NOT SCALE FROM DRAWINGS.
 - CONTOURS SHOWN ARE BASED ON CITY OF ST. JOHN'S DIGITAL LIDAR MAPPING.
 - TOPOGRAPHIC SURVEY COMPLETED BY FAIRVIEW INVESTMENTS AS OF AUGUST 2016 & VALUES SURVEYS AS OF JULY 2014.
 - EXISTING CONTOURS, EXISTING GROUND ELEVATIONS AND PROPOSED ELEVATIONS ARE REFERENCED TO CITY DATUM.
 - ALL MEASUREMENTS ARE HORIZONTAL. GROUND DISTANCES IN METRES AND REFERENCED TO NAVD8 DATUM.
 - THE LEGAL SURVEYOR FOR THE PROJECT IS TO PROVIDE CONTROL FOR THE CONSTRUCTION OF THE WORK. THE SURVEYOR IS TO LAYOUT THE BOUNDARIES OF THE SITE TO ENSURE THAT THE WORK IS BUILT ENTIRELY ON THE OWNERS PROPERTY.
 - LEGAL SURVEYOR TO ESTABLISH TIME.
 - ALL WORK TO BE PERFORMED IN ACCORDANCE WITH THE CITY OF ST. JOHN'S SPECIFICATIONS BOOK.
 - CONTRACTOR RESPONSIBLE TO SECURE SITE DURING CONSTRUCTION FOR PUBLIC SAFETY.

- EROSION & SEDIMENTATION CONTROL NOTES:**
- ALL EROSION & SEDIMENTATION CONTROL TO BE IN ACCORDANCE WITH DIVISION OF ENVIRONMENTAL REQUIREMENTS OF THE CITY OF ST. JOHN'S SPECIFICATIONS BOOK.
 - CONTRACTOR SHALL ENSURE DUST DOES NOT BECOME A PROBLEM FOR ADJACENT PROPERTY OWNERS, CONSTRUCTION SITE PERSONNEL OR A HAZARD TO VEHICULAR TRAFFIC. WHEN REQUIRED, OR AS DIRECTED BY THE ENGINEER, WATER OR ACCEPTABLE DUST SUPPRESSANTS SUCH AS CALCIUM CHLORIDE SHALL BE USED BY THE CONTRACTOR ON HAUL ROUTES OR OTHER LOCATIONS ON THE PROJECT TO CONTROL DUST.
 - CONTRACTOR SHALL INSTALL & MAINTAIN SILT FENCE AT TOE OF SLOPE ALONG SOUTHWEST.
 - CONTRACTOR SHALL TAKE NECESSARY MEASURES (E. TEMPORARY DITCH DIVERSIONS, ETC) TO CONTROL/DIRECT SITE WATER OR OVERLAND DRAINAGE AS REQUIRED.

- SITE GRADING NOTES:**
- WITHIN AREAS OF WORK, CONTRACTOR TO CLEAR, GRUB & REMOVE USM (OFF-SITE) TO FIRM UNDISTURBED NATIVE SOIL. PROOF ROLL REMOVE ALL SOFT AREAS AND BACKFILL WITH WELL GRADED GRAVEL OR 100mm MINUS CRUSHED ROCKFILL.
 - IF MET AREAS/CONDITIONS ARE ENCOUNTERED SUBSEQUENT TO USM REMOVAL, CONTRACTOR TO USE ROCKFILL AS REQUIRED.
 - CONTRACTOR TO PROVIDE CONSTRUCTION METHODS TO SUIT LOCAL SOIL CONDITIONS THAT WILL NOT WEAKEN SUBGRADE. RECTIFY DEFICIENCIES IN SUBGRADE CAUSED BY CONSTRUCTION OPERATIONS TO SATISFACTION OF ENGINEER.
 - ENGAGE GEOTECHNICAL ENGINEER TO VERIFY SUBGRADE PRIOR TO PLACEMENT OF GRANULARS.
 - UPON COMPLETION OF THE EXCAVATION TO GRADES, THE ENTIRE SITE SHOULD BE THOROUGHLY PROOF ROLLED AND ANY SOFTENED AREAS IDENTIFIED UPON PROOF ROLLING MUST BE EXCAVATED AND REPLACED WITH WELL GRADED GRAVEL OR 100mm MINUS CRUSHED ROCKFILL IN 300mm MAX. LIFTS AND COMPACTED TO 100% STANDARD PROCTOR DENSITY.
 - CONTRACTOR TO VERIFY ALL DIMENSIONS AND ELEVATIONS ON SITE BEFORE PROCEEDING WITH THIS WORK.
 - ALL DISTURBED AREAS BEYOND LIMITS OF WORK TO BE RESTORED TO ORIGINAL CONDITIONS OR BETTER.
 - IN EMBANKMENT AREAS, THE TOP OF EMBANKMENT IS TO BE LOCATED 1.0m BEHIND SIDEWALK.
 - IN CUT AREAS, THE TOE OF SLOPE IS TO BE LOCATED 1.0m BEHIND SIDEWALK.
 - ALL SIDEWALKS TO BE INSTALLED IN ACCORDANCE WITH DWGS 10-350.01, 10-350.04 & 10-350.11 IN CITY OF ST. JOHN'S SPECIFICATIONS BOOK. ALL CURB RAMPS TO BE INSTALLED IN ACCORDANCE WITH DWGS 10-151.01 TO 10-151.10 IN THE CITY OF ST. JOHN'S SPECIFICATIONS BOOK.
 - LANDSCAPED SLOPES TO HAVE A MAX. GRADE OF 2:1.
 - STABILIZE SLOPES WITH 150mm TOPSOIL & SOG UNLESS OTHERWISE NOTED.
 - MINIMUM FINISHED SLOPE OF LANDSCAPED AREAS TO BE 2.00%.
 - INSTALL GRANULARS, ASPHALT AND CURB & GUTTER IN ACCORDANCE WITH CITY OF ST. JOHN'S SPECIFICATIONS BOOK.

ISSUED FOR REVIEW		18/04/19
NO.	REVISIONS	DATE



PROVINCE OF NEWFOUNDLAND PERMIT HOLDER CLASS 'A' This Permit Allows PINNACLE ENGINEERING (2018) LIMITED M.R.C. To practice Professional Engineering in Newfoundland and Labrador. Permit No. as issued by PEGNL L0331 which is valid for the year 2019.



PROJECT TITLE
SOUTHLANDS BOULEVARD
EXTENSION - PART A
(STA. 0+312 TO STA. 1+190)

SHEET TITLE
GENERAL
ARRANGEMENT PLAN

PROJECT NO.
19007A

DRAWN BY
MEWC

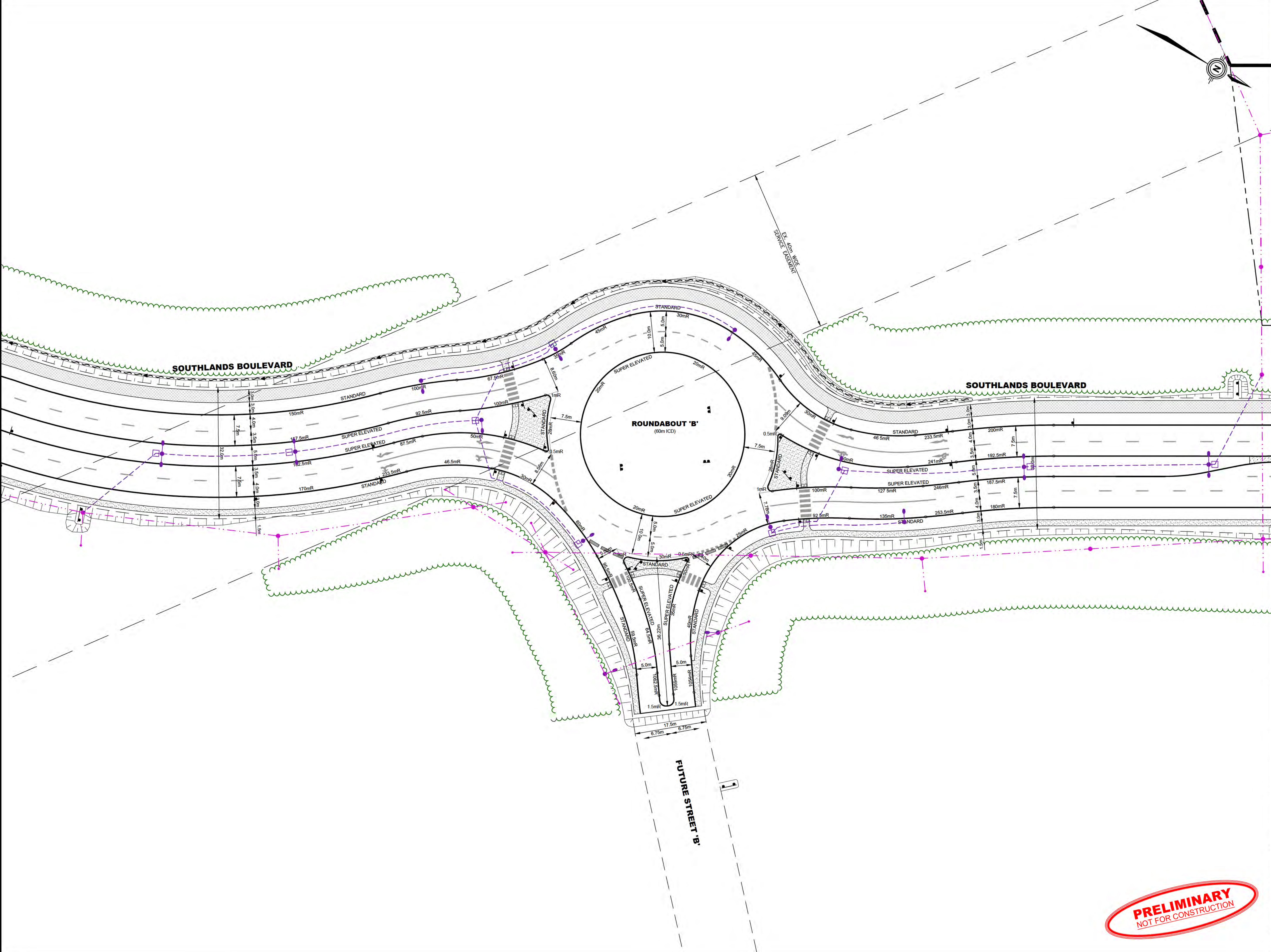
CHECKED BY
TGM

DATE
MARCH 2019

DRAWING NO.
C1

SCALE
1:3000





LEGEND:

	EXISTING GROUND SPOT ELEVATIONS
	EXISTING ASPHALT GRADE
	EXISTING WATERMAIN
	FINISHED ASPHALT / LANDSCAPE GRADE
	FINISHED ASPHALT / LANDSCAPE GRADE
	DIRECTION OF DRAINAGE
	NEW CONCRETE CURB
	NEW CONC. SIDEWALK
	NEW ASPHALT MULTI-USE TRAIL
	TRANSITIONAL SLOPING
	NEW DRAINAGE SWALE
	NEW STORM MANHOLE
	NEW SINGLE CATCHBASIN
	NEW DOUBLE CATCHBASIN
	NEW DITCH INLET
	NEW TRAFFIC SIGN
	TEMPORARY JERSEY BARRIERS
	NEW TRUNCATED DOME DETECTABLE WARNING PLATES
	NEW LIGHT STANDARD REFER TO DWGS BY N.L. POWER
	NEW UTILITY POLE REFER TO DWGS BY N.L. POWER
	NEW ELECTRICAL O.H. WIRES REFER TO DWGS BY N.L. POWER
	NEW ELECTRICAL LUG CONDUIT REFER TO DWGS BY N.L. POWER

NO.	ISSUED FOR REVIEW	18/04/19
	REVISIONS	DATE

PROFESSIONAL STAMP

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PROJECT TITLE
**SOUTHLANDS BOULEVARD
EXTENSION - PART A
(STA. 0+312 TO STA. 1+190)**

SHEET TITLE
**ROUNABOUT 'B'
CURB LAYOUT & DIMENSIONS**

PROJECT NO.
19007A

DRAWN BY
MEWC

CHECKED BY
TGM

DATE
MARCH 2019

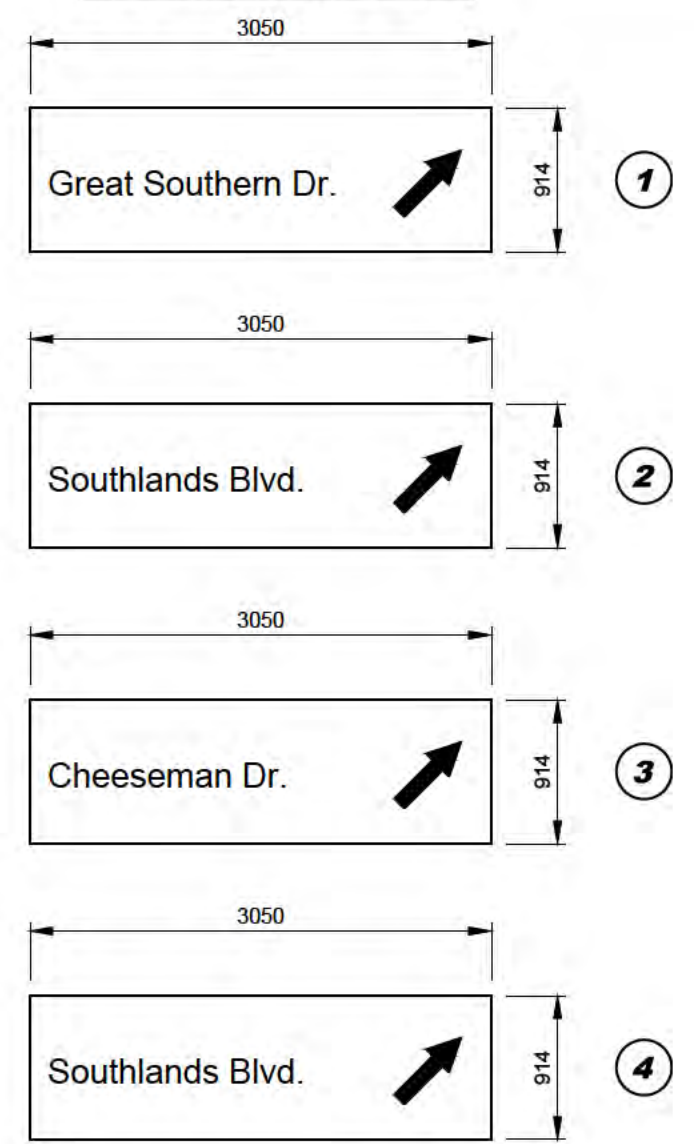
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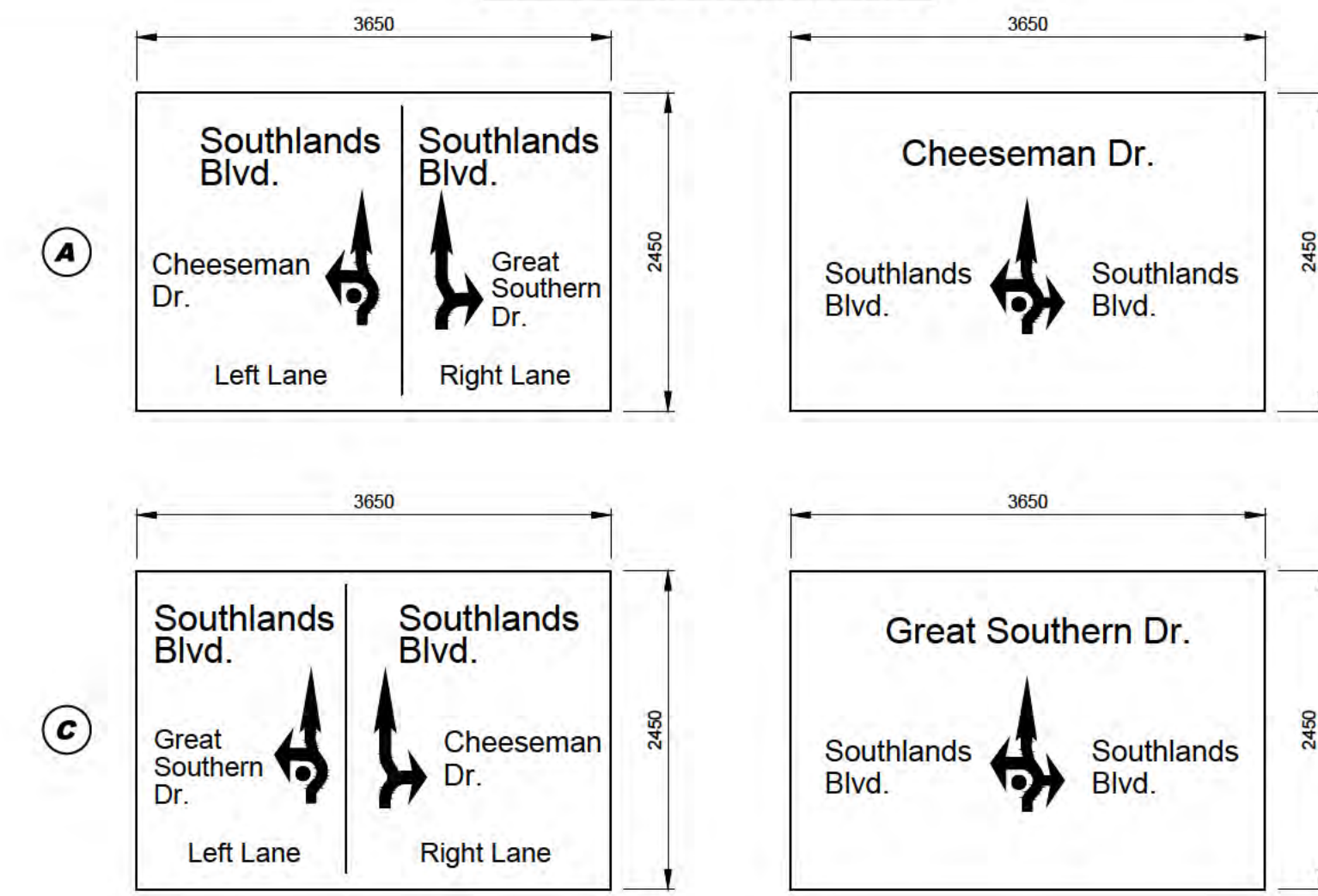
PRELIMINARY
NOT FOR CONSTRUCTION

TRAFFIC SIGN SCHEDULE		
SIGN NAME	IMAGE	SIZE
STOP SIGN (RA-1)		600x600
YIELD SIGN (RA-2)		750x750
PEDESTRIAN CROSSWALK (RA-4L)		600x750
PEDESTRIAN CROSSWALK (RA-4R)		600x750
ONE WAY OVERSIZE (RB-21(O))		1660x550
(RB-105)		900x900
ADVISORY SPEED TAB (WA-7S)		450x450
ROUNDAABOUT DIRECTIONAL (WA-38)		1660x600
ROUNDAABOUT AHEAD (WA-39)		900x600
TRUCK ENCROACHMENT (WC-26)		750x750
DO NOT PASS TAB (WC-26S)		600x300

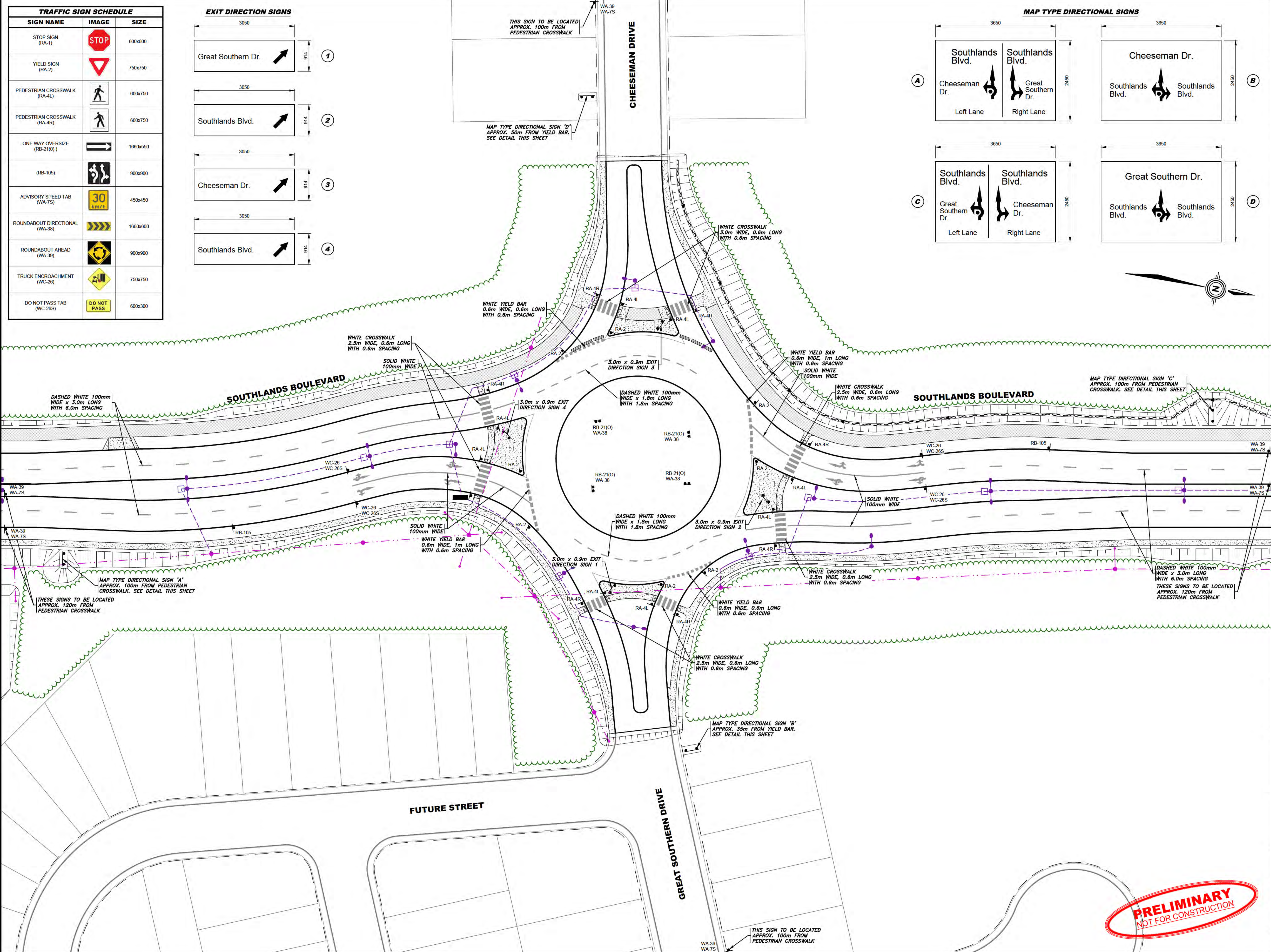
EXIT DIRECTION SIGNS



MAP TYPE DIRECTIONAL SIGNS



- NOTES:
- CONTRACTOR TO SUPPLY & INSTALL ALL SIGNS, SIGN POSTS AND FOOTINGS
 - WA-38 ROUNDAABOUT DIRECTIONAL SIGNS ARE TO BE MOUNTED 1.2m TO THE BOTTOM OF THE SIGN
 - CROSSWALKS, ARROWS, YIELD BARS AND C REGULATORY MARKINGS ARE TO BE 3M STAMARK 380 ALL WEATHER IN-PAID PAVEMENT MARKINGS (OR APPROVED EQUAL). ALL OTHER MARKINGS MAY BE PAINT.
 - ALL MAP TYPE SIGNAGE TO BE MOUNTED TO NLD/TW TYPE 'F' SIGN POST INSTALLATION
 - ALL ROUNDAABOUT EXIT SIGNAGE TO BE MOUNTED TO NLD/TW TYPE 'D' INSTALLATION
 - ALL SIGNS TO BE ALUM NUM. LARGE SIGNS SHALL BE EXTRUDED PANELS
 - ALL SIGNS SHALL USE 3M DIAMOND GRADE REFLECTIVE SHEETING (OR APPROVED EQUAL)
 - LETTER HEIGHT ON ROUNDAABOUT EXIT SIGNAGE SHALL BE 100mm
 - LETTER HEIGHT ON MAP TYPE SIGNS SHALL BE 200mm
 - ALL SIGNS SHALL BE MANUFACTURED BY A 3M CERT F E7 SIGN FABRICATOR. SHOP DWGS SHALL BE SUBMITTED TO ENGINEER FOR REVIEW & APPROVAL FOR ALL SIGNS
 - WORDING TO BE APPROVED BY CITY OF ST. JOHN'S
 - REFER TO DETAIL 5 DWG D2 FOR SINGLE SIGN POST & FOOTING DETAILS
 - CENTER OF MAP TYPE DIRECTIONAL SIGN FOOTING, 1m FROM BACK OF CURB OR SIDEWALK
 - EXACT LOCATION OF ALL SIGNAGE SHALL BE DETERMINED ON-SITE WITH ENGINEER'S APPROVAL



NO.	ISSUED FOR REVIEW	18/04/19
	REVISIONS	DATE

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CLIENT

PROJECT TITLE
SOUTHLANDS BOULEVARD EXTENSION - PART A (STA. 0+312 TO STA. 1+190)

SHEET TITLE
ROUNDAABOUT 'A' PAVEMENT MARKINGS & SIGNAGE

PROJECT NO.
19007A

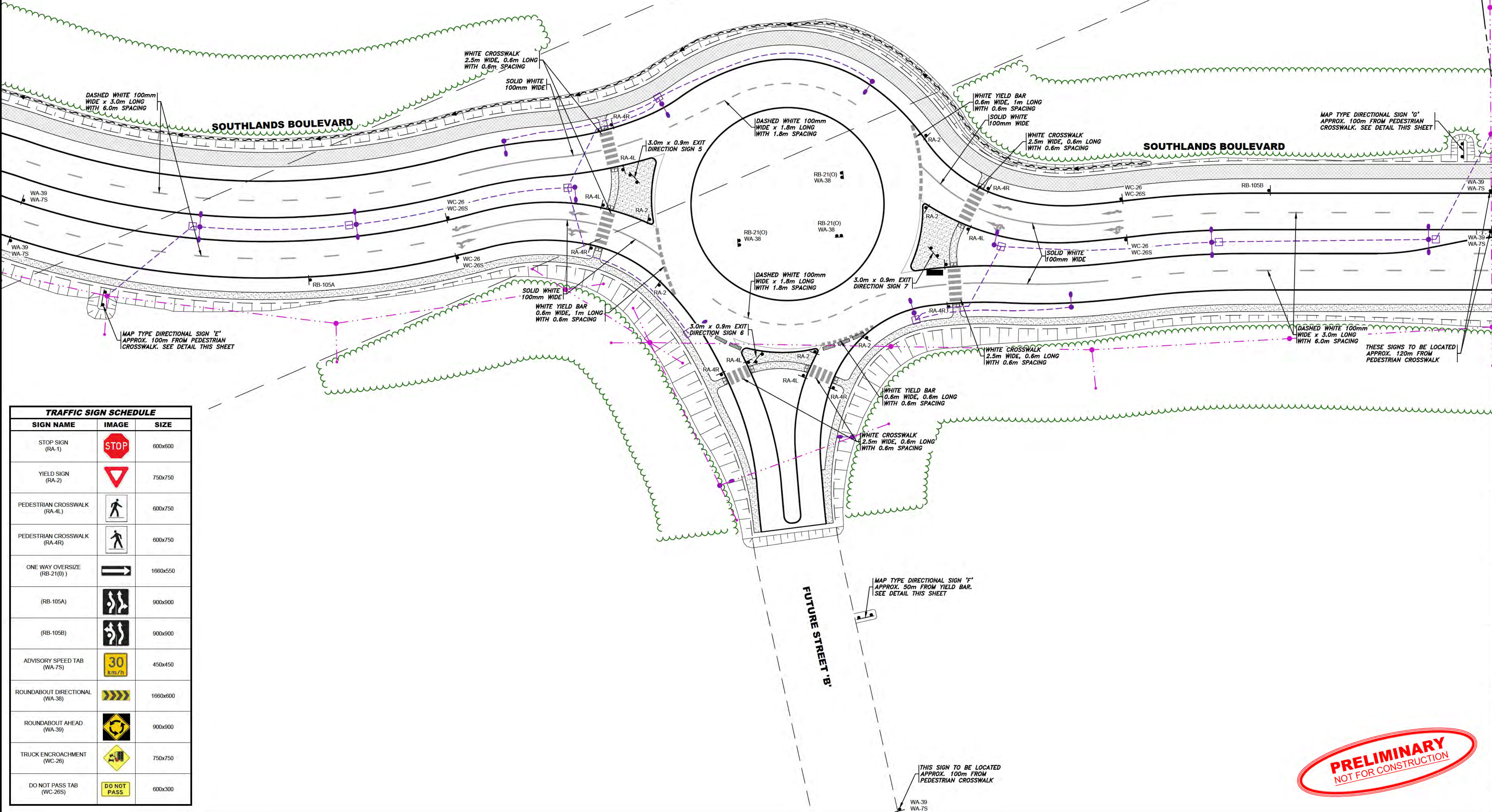
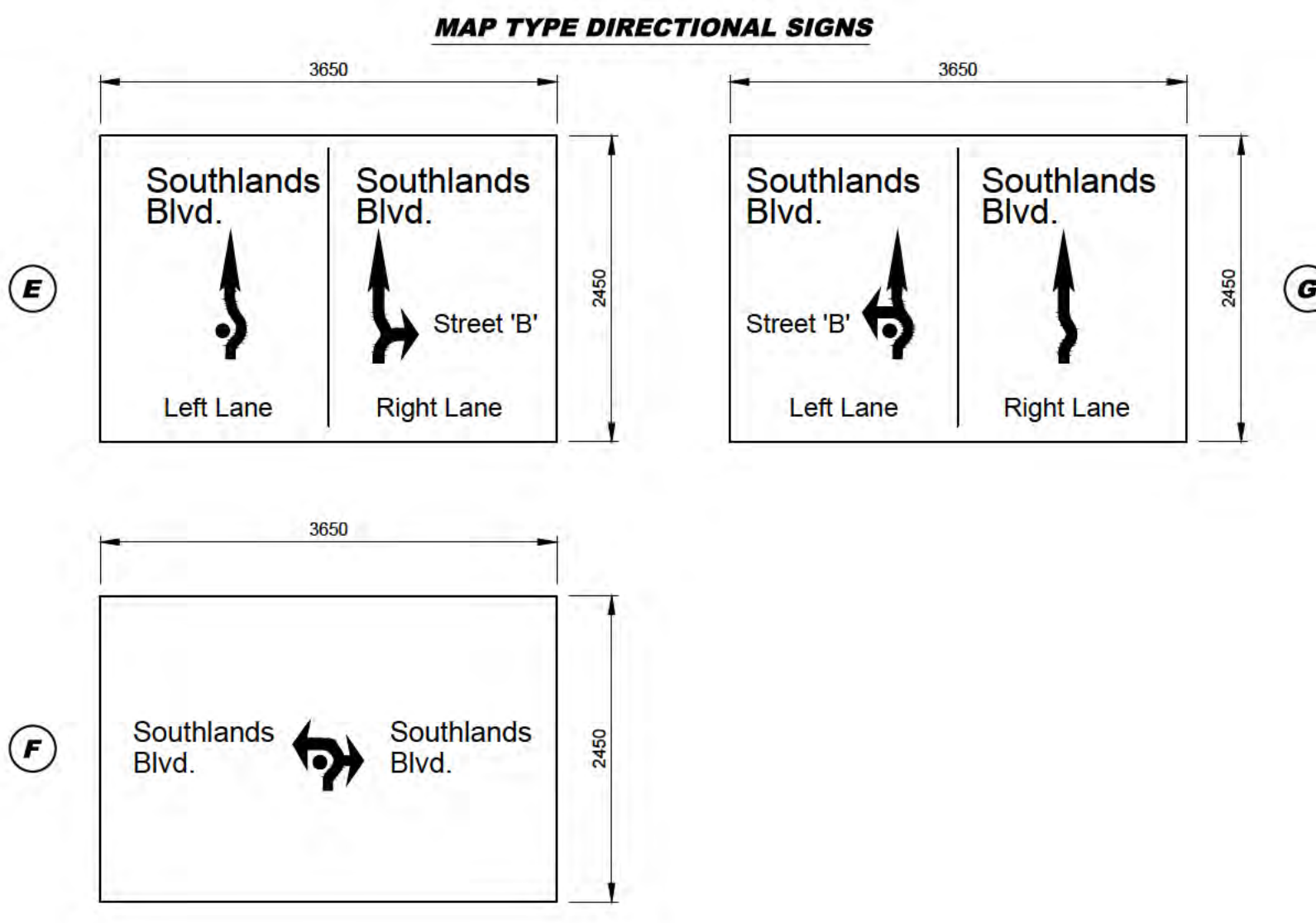
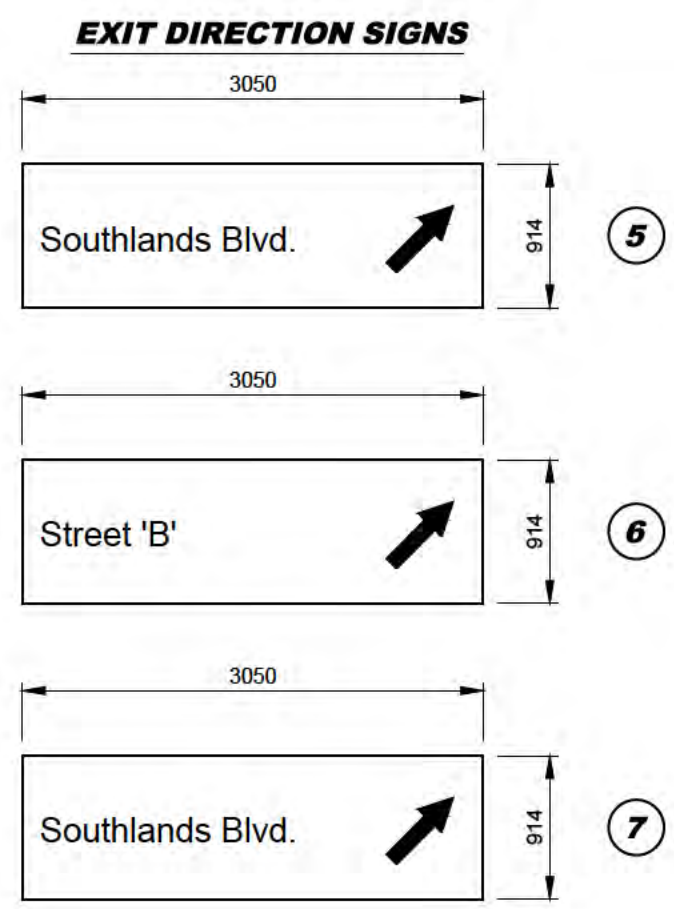
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DATE MARCH 2019 DRAWING NO.

SCALE 1:400 **C11**



- NOTES:
- CONTRACTOR TO SUPPLY & INSTALL ALL SIGNS, SIGN POSTS AND FOOTINGS
 - WA-38 ROUNDABOUT DIRECTIONAL SIGNS ARE TO BE MOUNTED 1.2m TO THE BOTTOM OF THE SIGN
 - CROSSWALKS, ARROWS, YIELD BARS AND CIRCULATORY MARKINGS ARE TO BE 3M STAMARK 380 ALL WEATHER IN-LAID PAVEMENT MARKINGS (OR APPROVED EQUAL). ALL OTHER MARKINGS MAY BE PAINT.
 - ALL MAP TYPE DIRECTIONAL SIGNAGE TO BE MOUNTED TO NLDTW TYPE 'F' SIGN POST INSTALLATION.
 - ALL ROUNDABOUT EXIT DIRECTION SIGNAGE TO BE MOUNTED TO NLDTW TYPE 'D' INSTALLATION.
 - ALL SIGNS TO BE ALUM NUM. LARGE SIGNS SHALL BE EXTRUDED PANELS.
 - ALL SIGNS SHALL USE 3M DIAMOND GRADE REFLECTIVE SHEETING (OR APPROVED EQUAL).
 - LETTER HEIGHT ON ROUNDABOUT EXIT SIGNAGE SHALL BE 100mm.
 - LETTER HEIGHT ON MAP TYPE SIGNS SHALL BE 200mm.
 - ALL SIGNS SHALL BE MANUFACTURED BY A 3M CERTIFIED SIGN FABRICATOR. SHOP DWGS SHALL BE SUBMITTED TO ENGINEER FOR REVIEW & APPROVAL FOR ALL SIGNS.
 - WORDING TO BE APPROVED BY CITY OF ST. JOHN'S.
 - REFER TO DETAIL 5 DWG 02 FOR SINGLE SIGN POST & FOOTING DETAILS.
 - CENTER OF MAP TYPE DIRECTIONAL SIGN FOOTING, 1m FROM BACK OF CURB OR SIDEWALK APPROX. 100m FROM PEDESTRIAN CROSSWALK. SEE DETAIL THIS SHEET.
 - EXACT LOCATION OF ALL SIGNAGE SHALL BE DETERMINED ON-SITE WITH ENGINEER'S APPROVAL.



TRAFFIC SIGN SCHEDULE

SIGN NAME	IMAGE	SIZE
STOP SIGN (RA-1)		600x600
YIELD SIGN (RA-2)		750x750
PEDESTRIAN CROSSWALK (RA-4L)		600x750
PEDESTRIAN CROSSWALK (RA-4R)		600x750
ONE WAY OVERSIZE (RB-21(O))		1660x550
(RB-105A)		900x900
(RB-105B)		900x900
ADVISORY SPEED TAB (WA-7S)		450x450
ROUNDABOUT DIRECTIONAL (WA-38)		1660x600
ROUNDABOUT AHEAD (WA-39)		900x600
TRUCK ENCROACHMENT (WC-26)		750x750
DO NOT PASS TAB (WC-26S)		600x300

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PROJECT TITLE
SOUTHLANDS BOULEVARD EXTENSION - PART A (STA. 0+312 TO STA. 1+190)

SHEET TITLE
ROUNDABOUT 'B' PAVEMENT MARKINGS & SIGNAGE

PROJECT NO.
19007A

DRAWN BY
MEWC

CHECKED BY
TGM

DATE
MARCH 2019

DRAWING NO.
C12

SCALE
1:400

PRELIMINARY
NOT FOR CONSTRUCTION

LEGEND:

	LIMITS OF NEW ASPHALT (SEE CROSS-SECTIONS FOR PAVEMENT STRUCTURE)
	LIMITS OF CONCRETE SIDEWALK
	LIMITS OF RED COLORED CONCRETE (AS PER CITY OF ST. JOHN'S SPECIFICATIONS BOOK)
	LIMITS OF ASPHALT MULTI-USE TRAIL
	LIMITS OF PERMITTED HIGH LANDSCAPING
	LIMITS OF REQUIRED LOW LANDSCAPING (STABILIZE WITH 150mm TOPSOIL & 90D)
	NEW TRAFFIC SIGN
	TEMPORARY JERSEY BARRIERS
	NEW TRUNCATED DOME DETECTABLE WARNING PLATES
	NEW LIGHT STANDARD REFER TO DWGS BY NL POWER
	NEW UTILITY POLE REFER TO DWGS BY NL POWER
	NEW ELECTRICAL 6/11 WIRES REFER TO DWGS BY NL POWER
	NEW ELECTRICAL LIG CONDUIT REFER TO DWGS BY NL POWER

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PROJECT TITLE
**SOUTHLANDS BOULEVARD
EXTENSION - PART A**
(STA. 0+312 TO STA. 1+190)

SHEET TITLE
LANDSCAPING PLAN - 01

PROJECT NO.
19007A

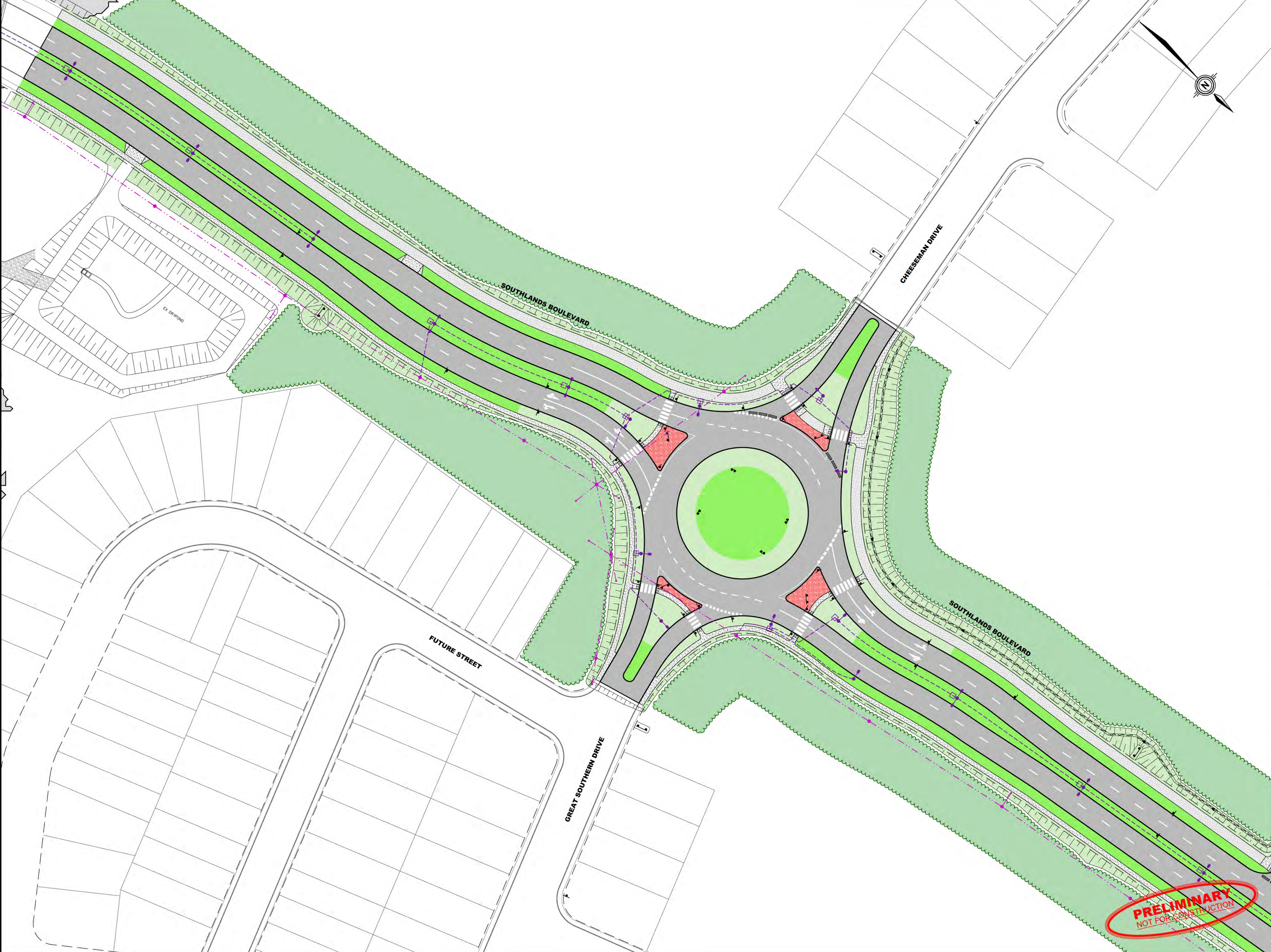
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MEWC

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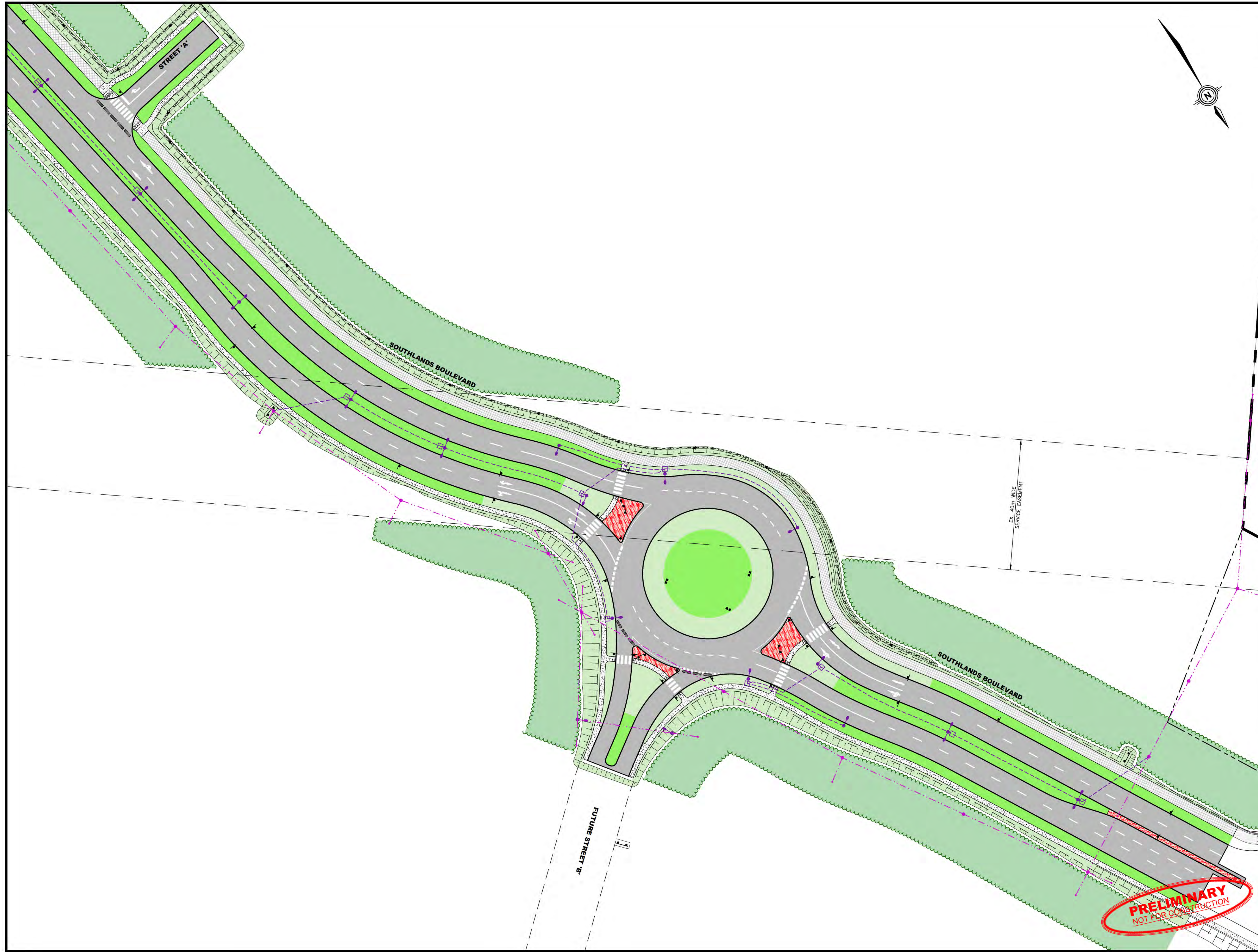
DATE
MARCH 2019

DRAWING NO.
C13

SCALE
1 : 500



PRELIMINARY
NOT FOR CONSTRUCTION



LEGEND:

	LIMITS OF NEW ASPHALT (SEE CROSS-SECTIONS FOR PAVEMENT STRUCTURE)
	LIMITS OF CONCRETE SIDEWALK
	LIMITS OF RED COLORED CONCRETE (AS PER CITY OF ST. JOHN'S SPECIFICATIONS BOOK)
	LIMITS OF ASPHALT MULTI-USE TRAIL
	LIMITS OF PERMITTED HIGH LANDSCAPING
	LIMITS OF REQUIRED LOW LANDSCAPING (STABILIZE WITH 150mm TOPSOIL & 90D)
	NEW TRAFFIC SIGN
	TEMPORARY JERSEY BARRIERS
	NEW TRIANGULATED DOME DETECTABLE WARNING PLATES
	NEW LIGHT STANDARD REFER TO DWGS BY NL POWER
	NEW UTILITY POLE REFER TO DWGS BY NL POWER
	NEW ELECTRICAL OH WIRING REFER TO DWGS BY NL POWER
	NEW ELECTRICAL LV CONDUIT REFER TO DWGS BY NL POWER

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PROJECT TITLE
**SOUTHLANDS BOULEVARD
EXTENSION - PART A**
(STA. 0+312 TO STA. 1+190)

SHEET TITLE
LANDSCAPING PLAN - 02

PROJECT NO.
19007A

DRAWN BY
MEWC

CHECKED BY
TGM

DATE
MARCH 2019

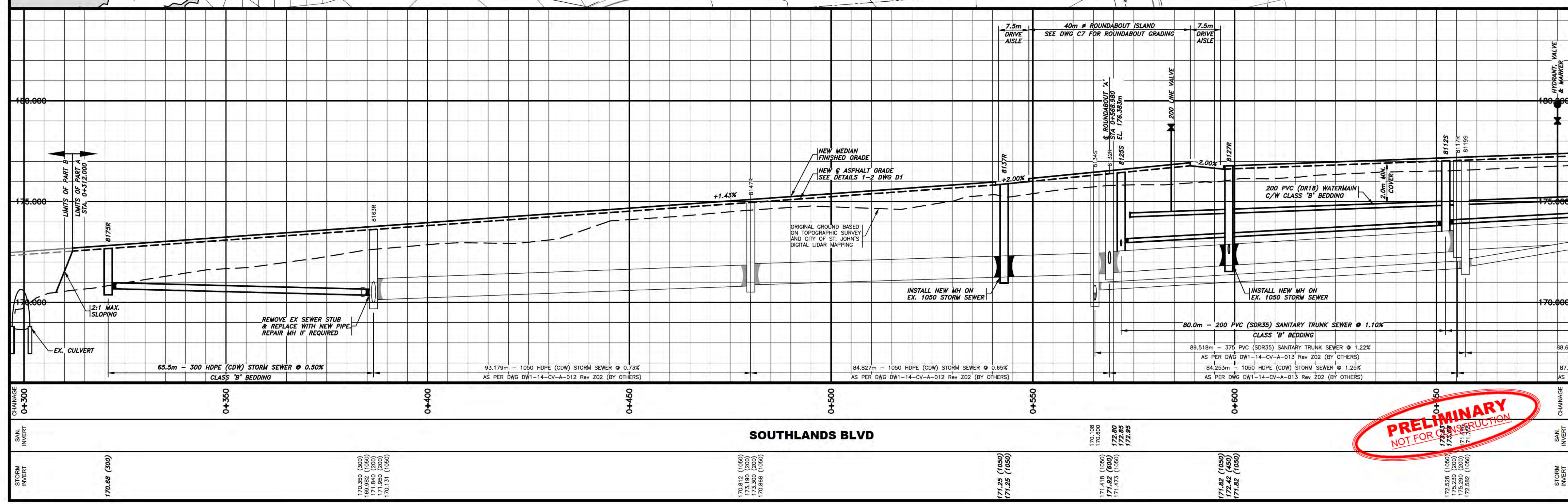
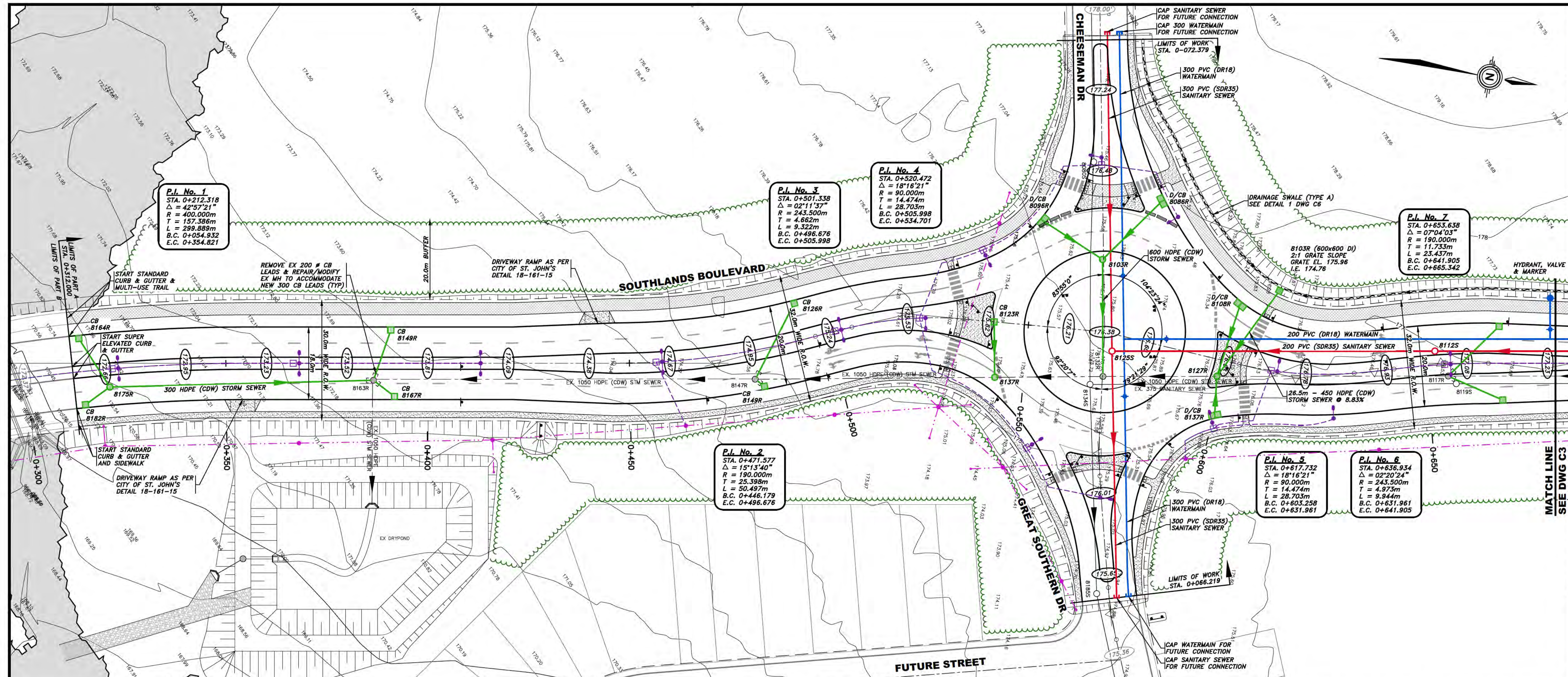
DRAWING NO.
C14

SCALE
1 : 500

PRELIMINARY
NOT FOR CONSTRUCTION

LEGEND:

	EXISTING GROUND SPOT ELEVATIONS
	EXISTING ASPHALT GRADE
	EXISTING WATERMAIN
	EXISTING SANITARY SEWER
	EXISTING SANITARY MANHOLE
	EXISTING STORM SEWER
	EXISTING STORM MANHOLE
	EXISTING SINGLE CATCHBASIN
	EXISTING DOUBLE CATCHBASIN
	EXISTING DITCH INLET
	NEW STORM SEWER
	NEW STORM MANHOLE
	NEW SINGLE CATCHBASIN
	NEW DOUBLE CATCHBASIN
	NEW DITCH INLET
	NEW TRAFFIC SIGN
	TEMPORARY JERSEY BARRIERS
	NEW TRUNCATED DOME DETECTABLE WARNING PLATES
	NEW LIGHT STANDARD REFER TO DWGS BY N.L. POWER
	NEW UTILITY POLES REFER TO DWGS BY N.L. POWER
	NEW ELECTRICAL O.H. WIRES REFER TO DWGS BY N.L. POWER
	NEW ELECTRICAL LUG CONDUIT REFER TO DWGS BY N.L. POWER



A	ISSUED FOR REVIEW	18/04/19
NO.	REVISIONS	DATE



PROVINCE OF NEWFOUNDLAND
PERMIT HOLDER
CLASS "A"
This Permit Allows
PINNACLE ENGINEERING (2018) LIMITED
M.R.C.
To practice Professional Engineering
in Newfoundland and Labrador.
Permit No. as issued by PEGNL L0331
which is valid for the year 2019.

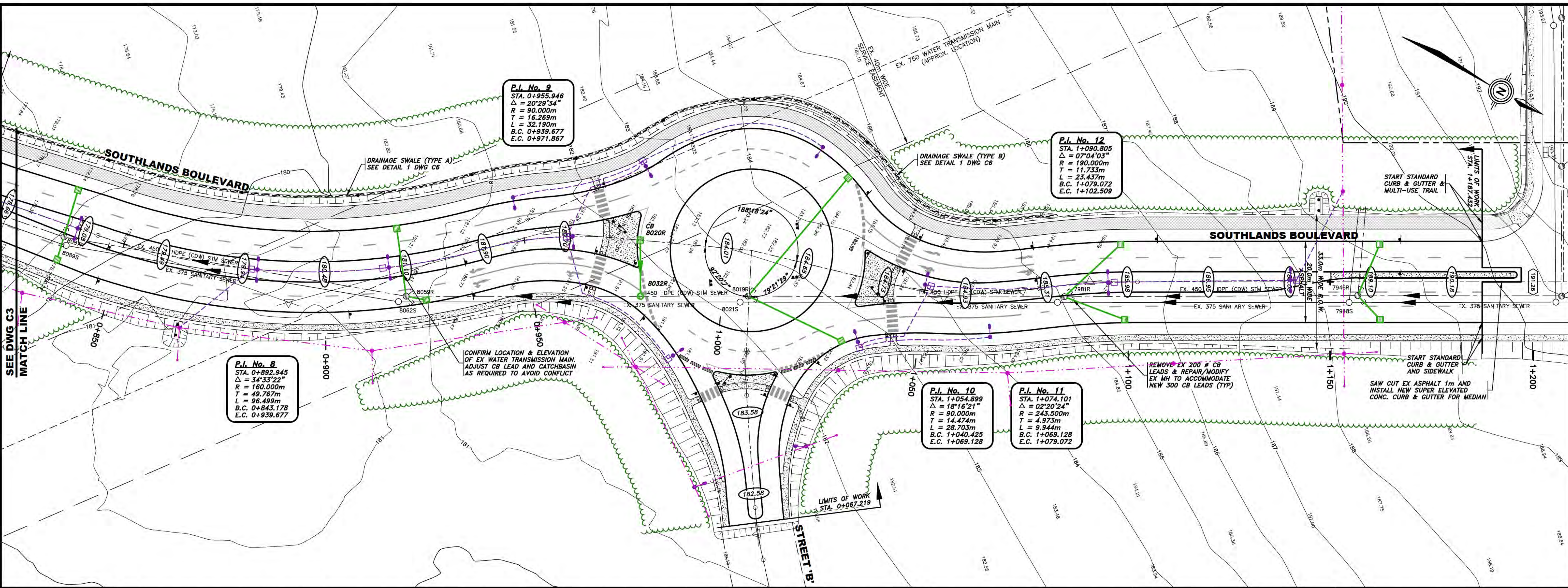


PROJECT TITLE
**SOUTHLANDS BOULEVARD
EXTENSION - PART A
(STA. 0+312 TO STA. 1+190)**

SHEET TITLE
**PLAN & PROFILE:
SOUTHLANDS BLVD - 01**

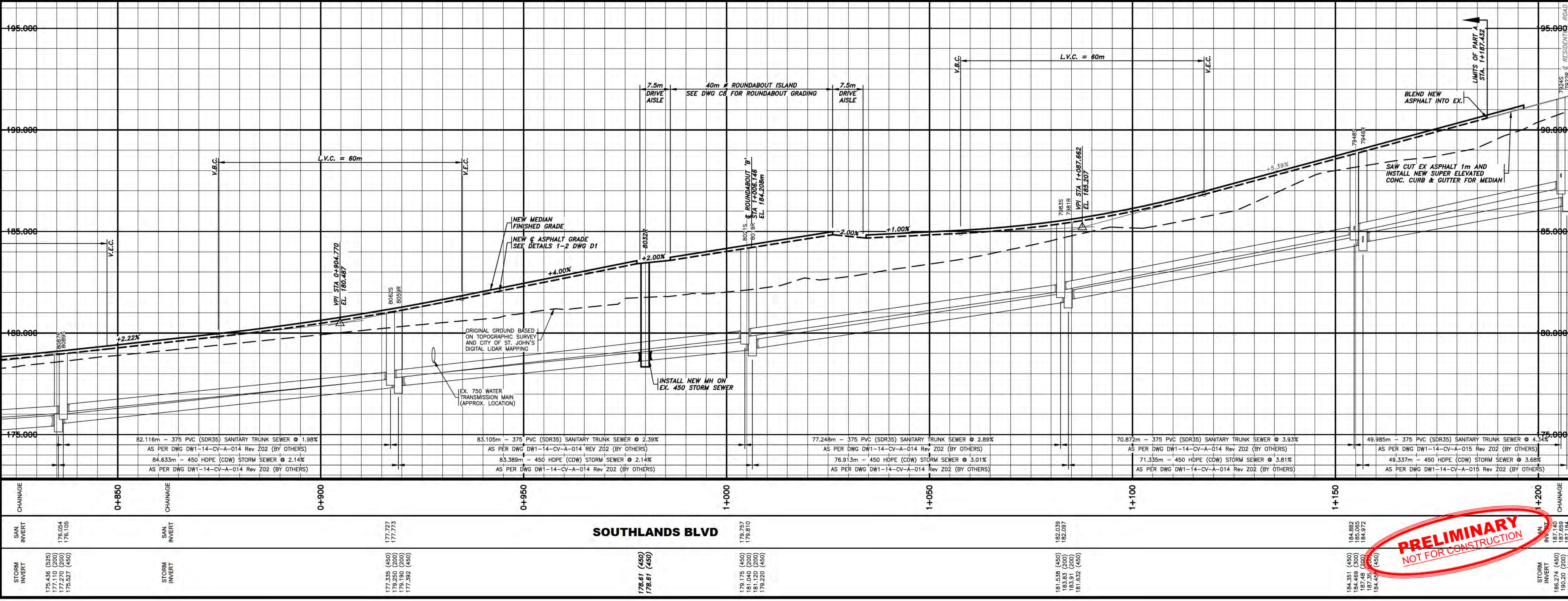
PROJECT NO.	19007A
DRAWN BY	MEWC
CHECKED BY	TGM
DATE	MARCH 2019
DRAWING NO.	C2
SCALE	1 : 500 (H) 1 : 100 (V)

**PRELIMINARY
NOT FOR CONSTRUCTION**



LEGEND:

- EXISTING GROUND SPOT ELEVATIONS
- EXISTING ASPHALT GRADE
- EXISTING WATERMAIN
- EXISTING SANITARY SEWER
- EXISTING SANITARY MANHOLE
- EXISTING STORM SEWER
- EXISTING STORM MANHOLE
- EXISTING SINGLE CATCHBASIN
- EXISTING DOUBLE CATCHBASIN
- EXISTING DITCH INLET
- EXISTING TRAFFIC SIGN
- TEMPORARY JERSEY BARRIERS
- NEW TRUNCATED DOME DETECTABLE WARNING PLATES
- NEW LIGHT STANDARD REFER TO DWGS BY N.L. POWER
- NEW UTILITY POLE REFER TO DWGS BY N.L. POWER
- NEW ELECTRICAL O.H. WIRES REFER TO DWGS BY N.L. POWER
- NEW ELECTRICAL LUG CONDUIT REFER TO DWGS BY N.L. POWER



NO.	ISSUED FOR REVIEW	18/04/19
REVISIONS		DATE

PROFESSIONAL STAMP

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CLIENT

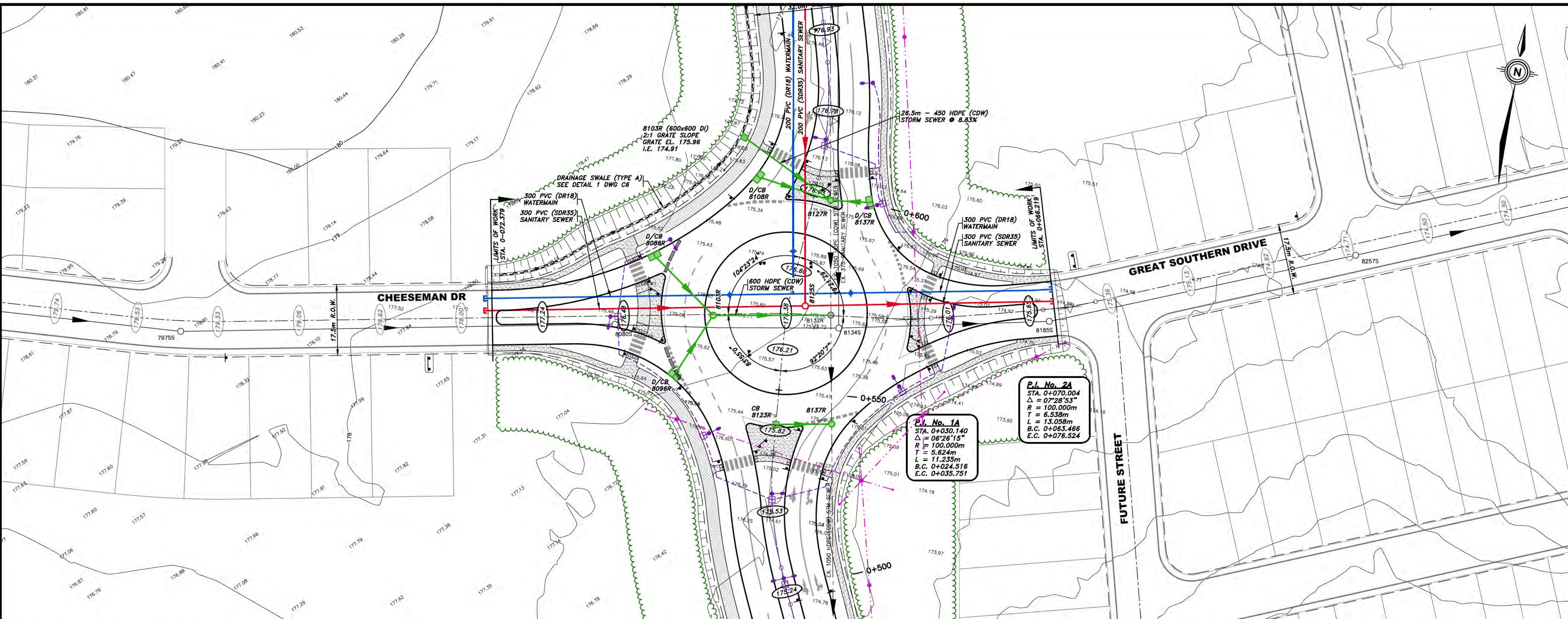
PROJECT TITLE
SOUTHLANDS BOULEVARD
EXTENSION - PART A
(STA. 0+312 TO STA. 1+190)

SHEET TITLE
PLAN & PROFILE:
SOUTHLANDS BLVD - 02

PROJECT NO.
19007A

DRAWN BY MEWC	CHECKED BY TGM
DATE MARCH 2019	DRAWING NO. C4
SCALE 1 : 500 (H) 1 : 100 (V)	

PRELIMINARY
NOT FOR CONSTRUCTION



LEGEND:

- EXISTING GROUND SPOT ELEVATIONS
- EXISTING ASPHALT GRADE
- EXISTING WATERMAIN
- EXISTING SANITARY SEWER
- EXISTING SANITARY MANHOLE
- EXISTING STORM SEWER
- EXISTING STORM MANHOLE
- EXISTING SINGLE CATCHBASIN
- EXISTING FINISHED ASPHALT / LANDSCAPE GRADE
- FINISHED ASPHALT / LANDSCAPE GRADE
- DIRECTION OF DRAINAGE
- NEW CONCRETE CURB
- NEW CONC. SIDEWALK
- NEW ASPHALT MULTI-USE TRAIL
- TRANSITIONAL SLOPING
- NEW DRAINAGE SWALE
- NEW STORM SEWER
- NEW STORM MANHOLE
- NEW SINGLE CATCHBASIN
- NEW DOUBLE CATCHBASIN
- NEW DITCH INLET
- NEW TRAFFIC SIGN
- TEMPORARY JERSEY BARRIERS
- NEW TRUNCATED DOME DETECTABLE WARNING PLATES
- NEW LIGHT STANDARD REFER TO DWGS BY N.L. POWER
- NEW UTILITY POLE REFER TO DWGS BY N.L. POWER
- NEW ELECTRICAL O.H. WIRES REFER TO DWGS BY N.L. POWER
- NEW ELECTRICAL LUG CONDUIT REFER TO DWGS BY N.L. POWER

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PROJECT TITLE
SOUTHLANDS BOULEVARD EXTENSION - PART A (STA. 0+312 TO STA. 1+190)

SHEET TITLE
PLAN & PROFILE: CHEESEMAN DRIVE & GREAT SOUTHERN DRIVE

PROJECT NO.
19007A

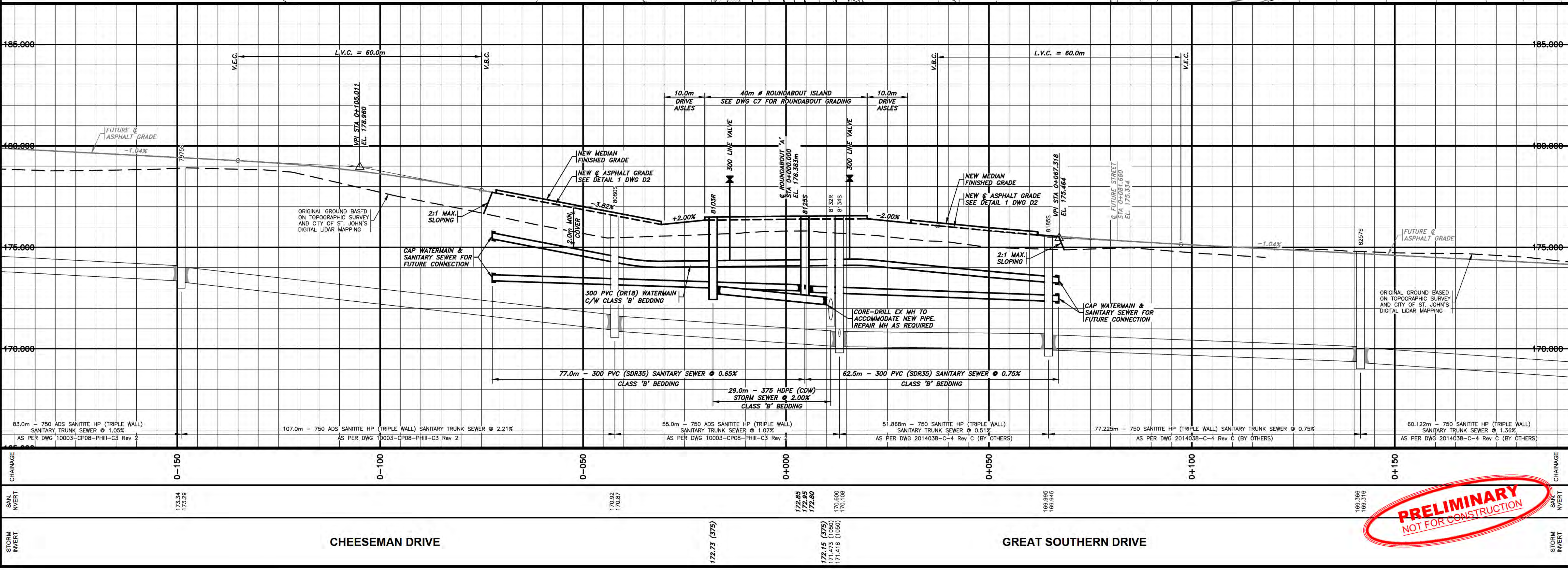
DRAWN BY
MEWC

CHECKED BY
TGM

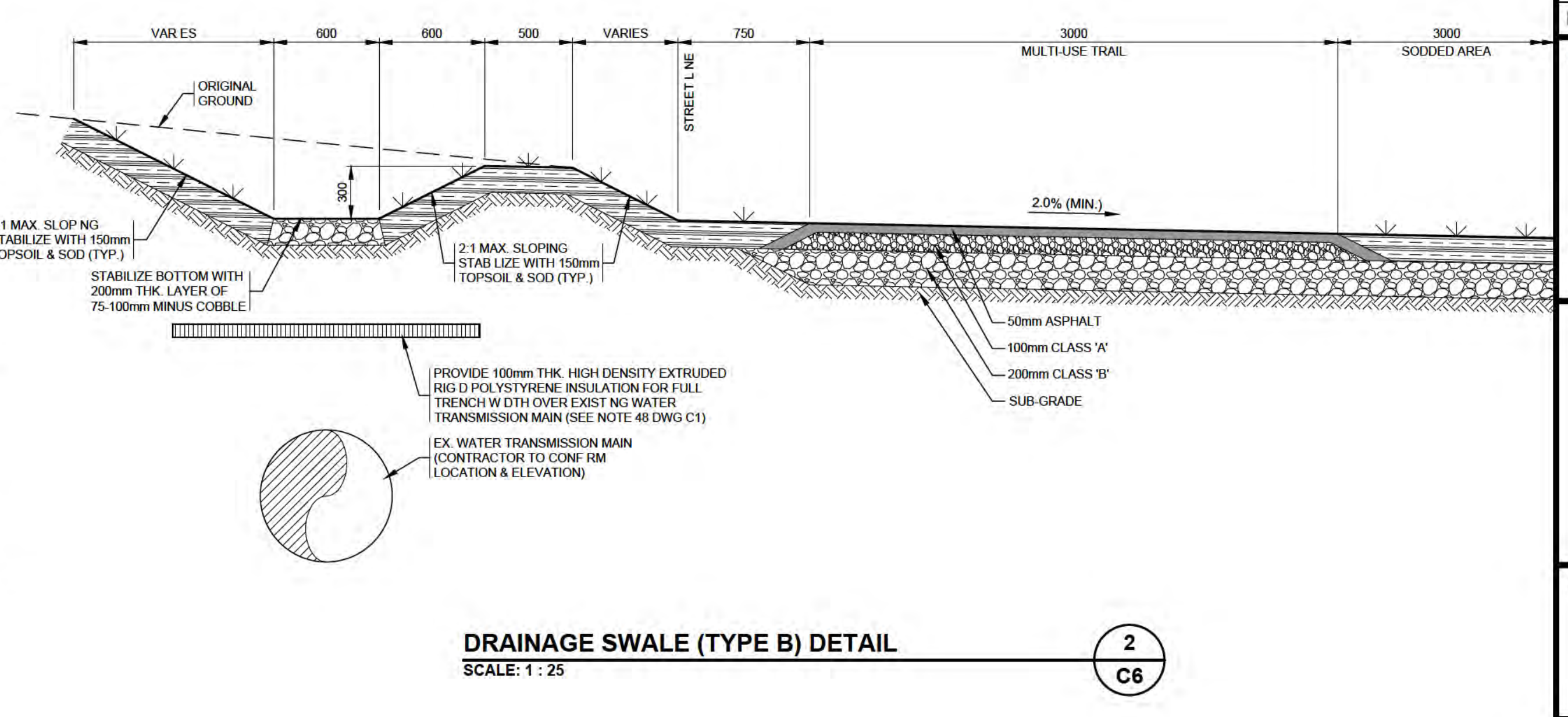
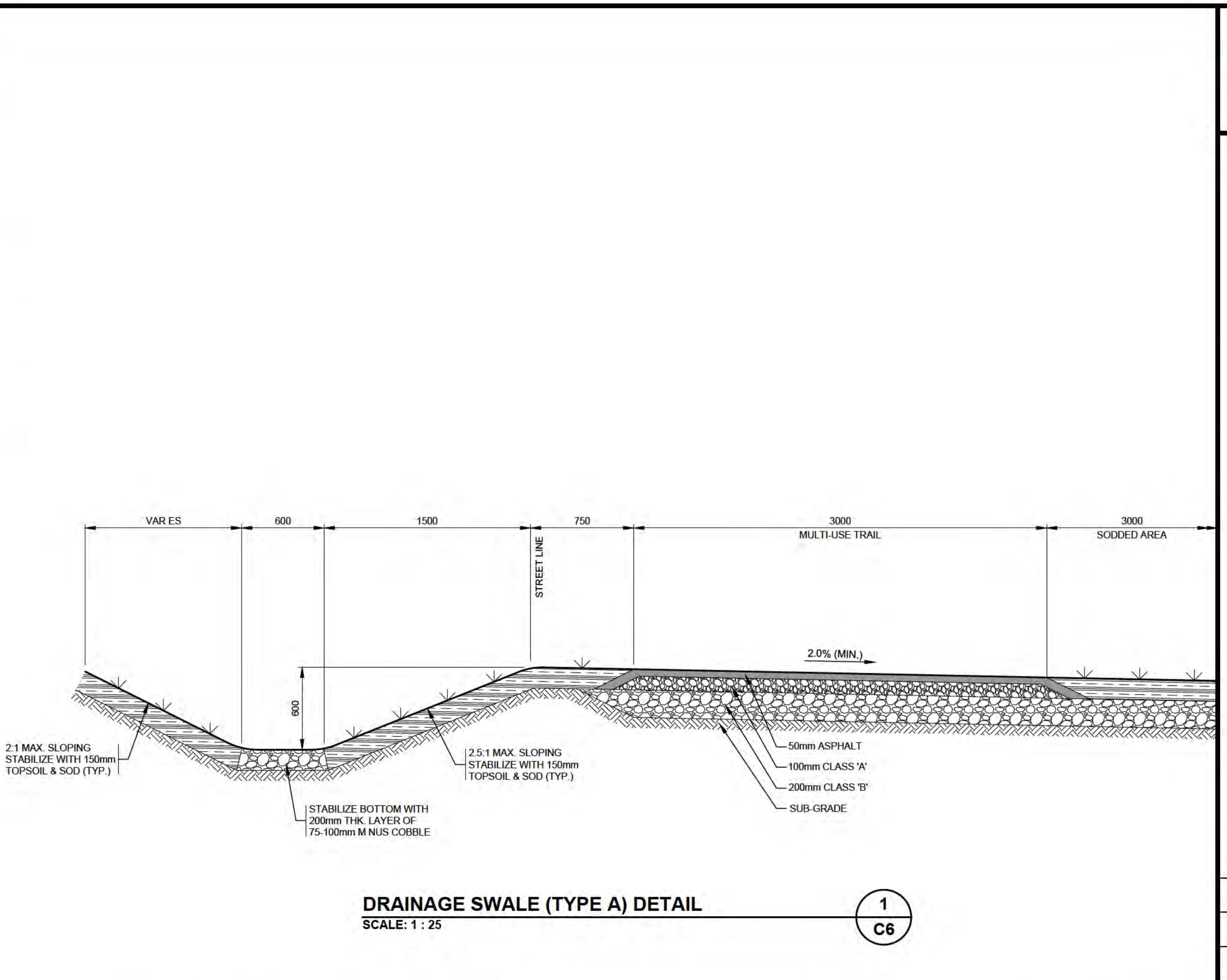
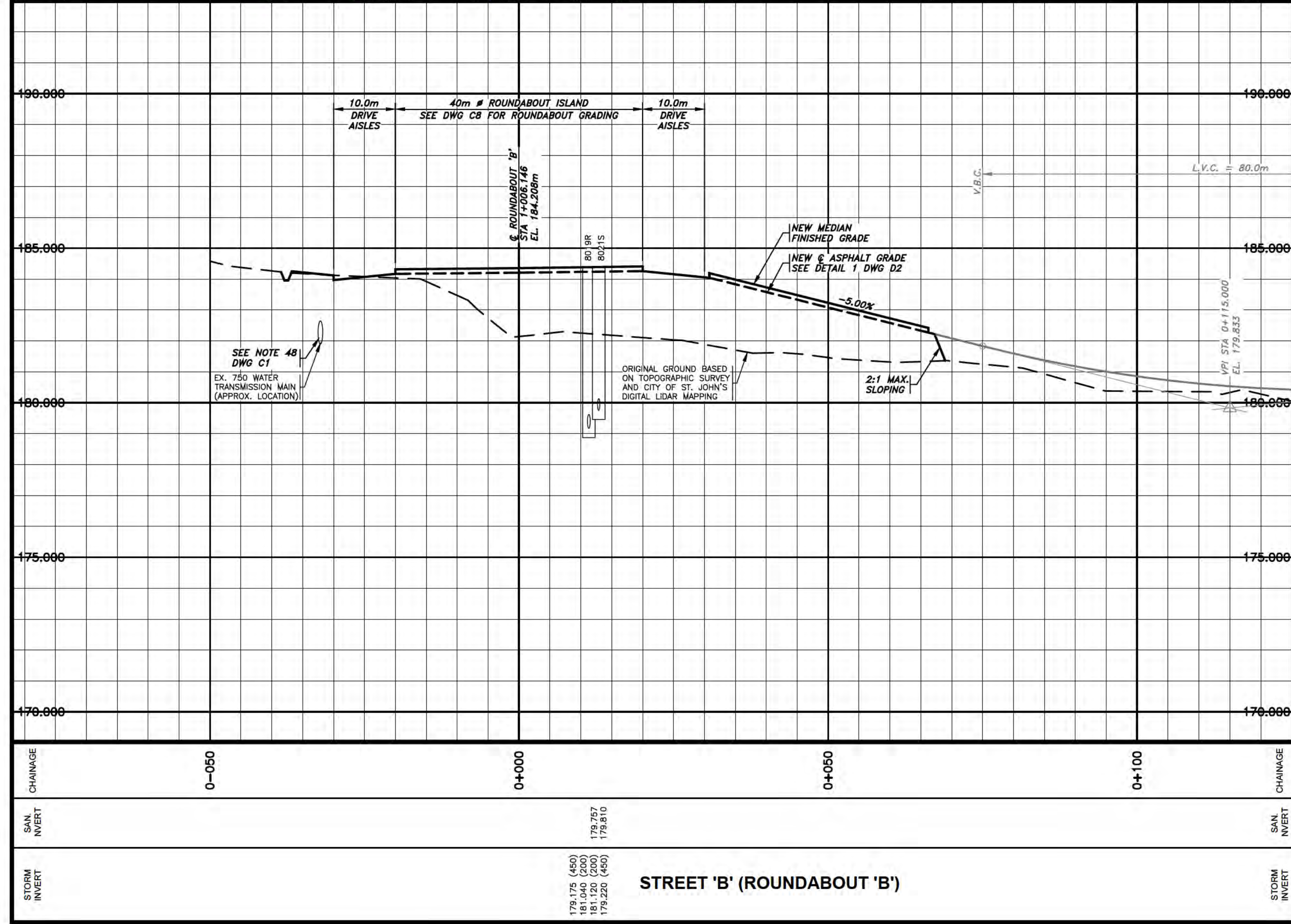
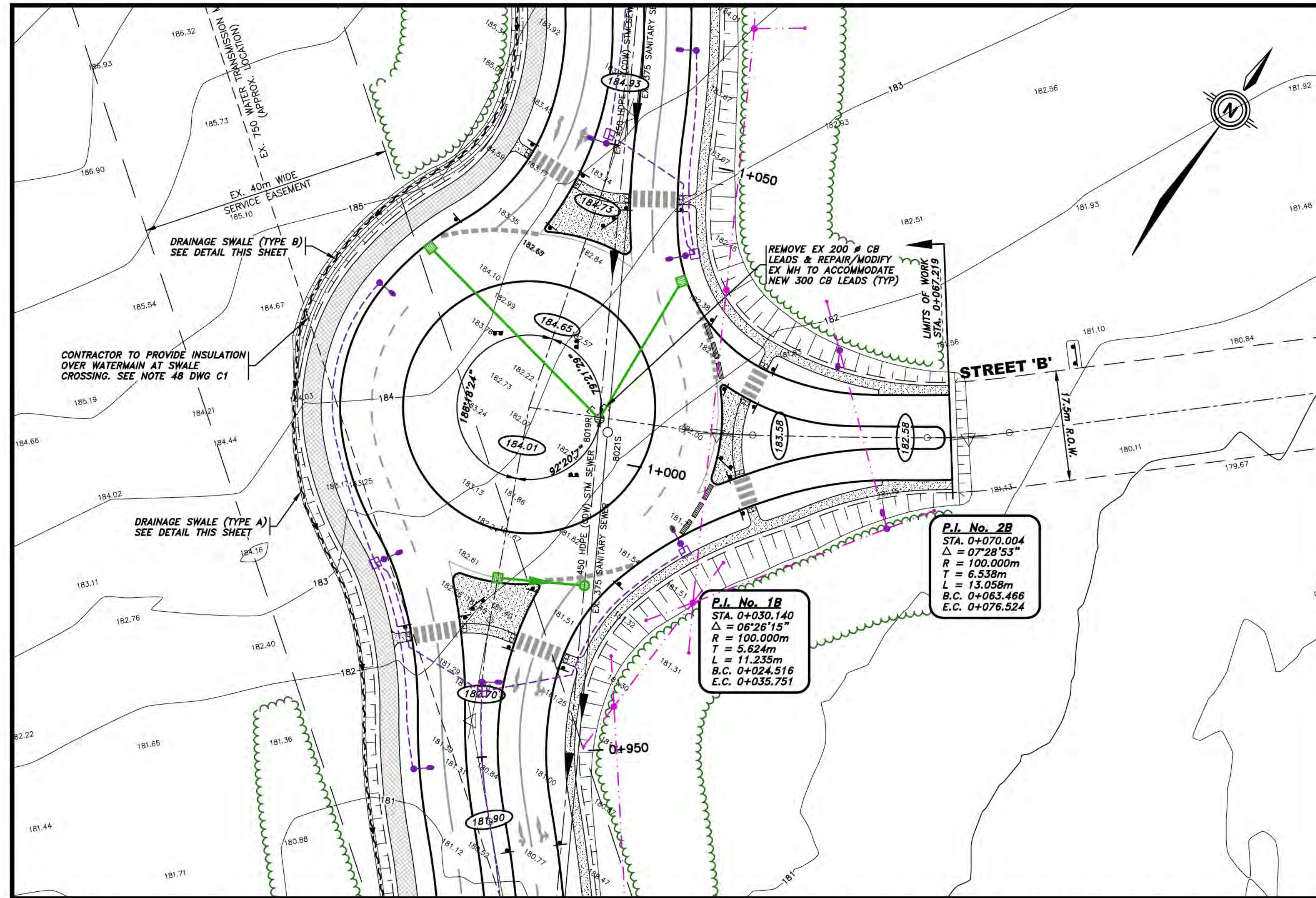
DATE
MARCH 2019

DRAWING NO.
C5

SCALE
1 : 500 (H)
1 : 100 (V)



PRELIMINARY
NOT FOR CONSTRUCTION



LEGEND:

- EXISTING GROUND SPOT ELEVATIONS
- EXISTING ASPHALT GRADE
- EXISTING WATERMAIN
- EXISTING SANITARY SEWER
- EXISTING SANITARY MANHOLE
- EXISTING STORM SEWER
- EXISTING STORM MANHOLE
- EXISTING SINGLE CATCHBASIN
- EXISTING & FINISHED ASPHALT GRADE
- FINISHED ASPHALT / LANDSCAPE GRADE
- DIRECTION OF DRAINAGE
- NEW CONCRETE CURB
- NEW CONC. SIDEWALK
- NEW ASPHALT MULTI-USE TRAIL
- TRANSITIONAL SLOPING
- NEW DRAINAGE SWALE
- NEW STORM SEWER
- NEW STORM MANHOLE
- NEW SINGLE CATCHBASIN
- NEW DOUBLE CATCHBASIN
- NEW DITCH INLET
- NEW TRAFFIC SIGN
- TEMPORARY JERSEY BARRIERS
- NEW TRUNCATED DOME DETECTABLE WARNING PLATES
- NEW LIGHT STANDARD REFER TO DWGS BY N.L. POWER
- NEW UTILITY POLE REFER TO DWGS BY N.L. POWER
- NEW ELECTRICAL O.H. WIRES REFER TO DWGS BY N.L. POWER
- NEW ELECTRICAL LUG CONDUIT REFER TO DWGS BY N.L. POWER

NO.	ISSUED FOR REVIEW	18/04/19
NO.	REVISIONS	DATE

PROFESSIONAL STAMP

PROVINCE OF NEWFOUNDLAND PERMIT HOLDER CLASS 'A'

pegni

TRAVOR G. MOORE

PINNACLE ENGINEERING (2018) LIMITED

M.R.C.

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CLIENT

FAIRVIEW INVESTMENTS LIMITED

PROJECT TITLE

SOUTHLANDS BOULEVARD EXTENSION - PART A (STA. 0+312 TO STA. 1+190)

SHEET TITLE

PLAN & PROFILE: STREET 'B'

PROJECT NO.

19007A

DRAWN BY

MEWC

CHECKED BY

TGM

DATE

MARCH 2019

DRAWING NO.

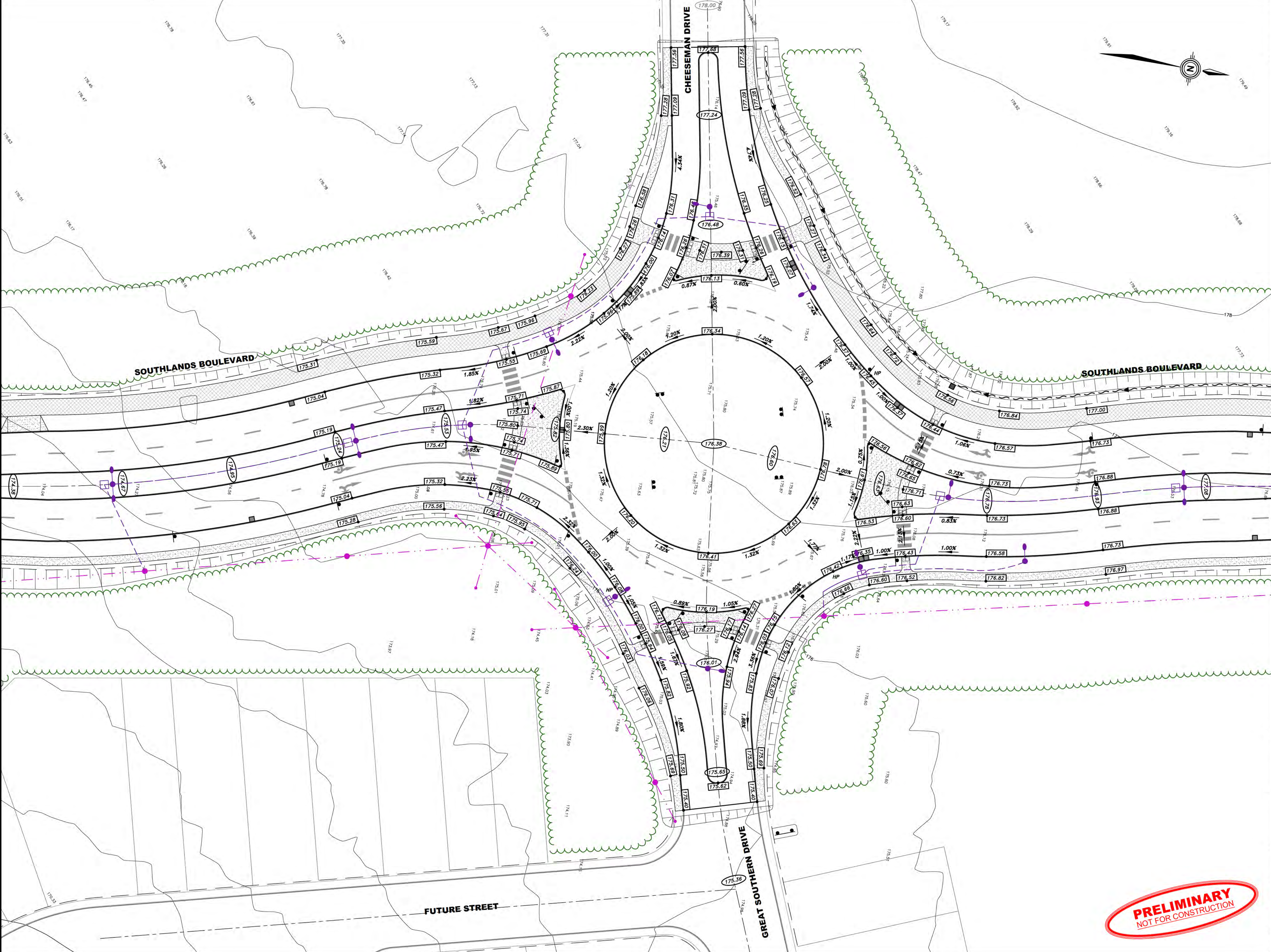
SCALE

1 : 500 (H)

1 : 100 (V)

C6





LEGEND:

	EXISTING GROUND SPOT ELEVATIONS
	EXISTING ASPHALT GRADE
	EXISTING WATERMAIN
	FINISHED ASPHALT GRADE
	FINISHED ASPHALT / LANDSCAPE GRADE
	DIRECTION OF DRAINAGE
	NEW CONCRETE CURB
	NEW CONC. SIDEWALK
	NEW ASPHALT MULTI-USE TRAIL
	TRANSITIONAL SLOPING
	NEW DRAINAGE SWALE
	NEW STORM MANHOLE
	NEW SINGLE CATCHBASIN
	NEW DOUBLE CATCHBASIN
	NEW DITCH INLET
	NEW TRAFFIC SIGN
	TEMPORARY JERSEY BARRIERS
	NEW TRUNCATED DOME DETECTABLE WARNING PLATES
	NEW LIGHT STANDARD
	REFER TO DWGS BY NL POWER
	NEW UTILITY POLE
	REFER TO DWGS BY NL POWER
	NEW ELECTRICAL O.H. WIRES
	REFER TO DWGS BY NL POWER
	NEW ELECTRICAL LUG CONDUIT
	REFER TO DWGS BY NL POWER

A	ISSUED FOR REVIEW	18/04/19
NO.	REVISIONS	DATE

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PROJECT TITLE
**SOUTHLANDS BOULEVARD
EXTENSION - PART A
(STA. 0+312 TO STA. 1+190)**

SHEET TITLE
**ROUNDBOUT 'A'
SITE GRADING PLAN**

PROJECT NO.
19007A

DRAWN BY
MEWC

CHECKED BY
TGM

DATE
MARCH 2019

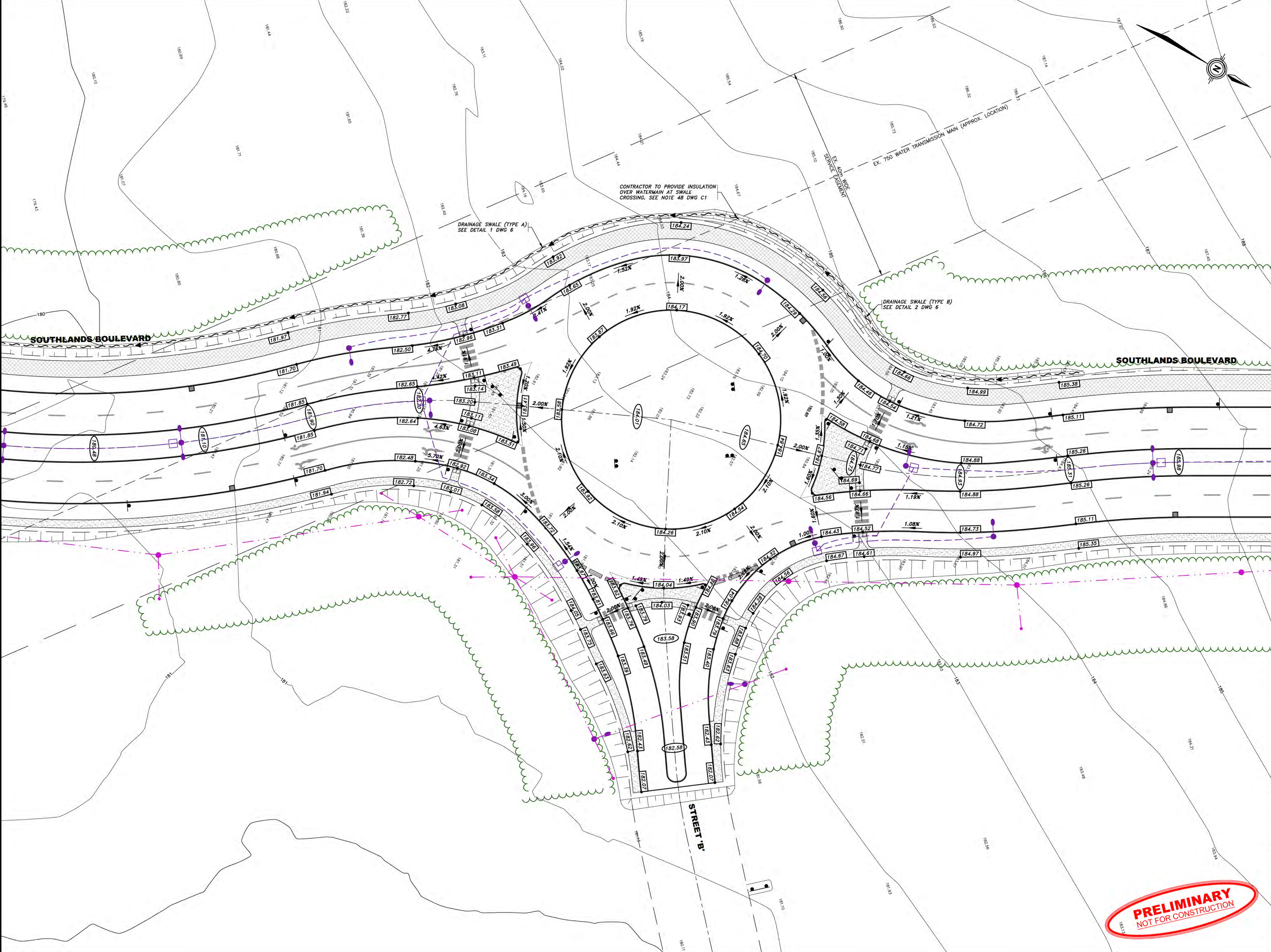
DRAWING NO.
C7

SCALE
1 : 300



LEGEND:

	EXISTING GROUND SPOT ELEVATIONS
	EXISTING ASPHALT GRADE
	EXISTING WATERMAIN
	FINISHED ASPHALT / LANDSCAPE GRADE
	DIRECTION OF DRAINAGE
	NEW CONCRETE CURB
	NEW CONC. SIDEWALK
	NEW ASPHALT MULTI-USE TRAIL
	TRANSITIONAL SLOPING
	NEW DRAINAGE SWALE
	NEW STORM MANHOLE
	NEW SINGLE CATCHBASIN
	NEW DOUBLE CATCHBASIN
	NEW DITCH INLET
	NEW TRAFFIC SIGN
	TEMPORARY JERSEY BARRIERS
	NEW TRUNCATED DOME DETECTABLE WARNING PLATES
	NEW LIGHT STANDARD
	NEW UTILITY POLE
	NEW ELECTRICAL O.H. WIRES
	NEW ELECTRICAL LUG CONDUIT



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PROJECT TITLE

SOUTHLANDS BOULEVARD EXTENSION - PART A
(STA. 0+312 TO STA. 1+190)

SHEET TITLE

ROUNDBOUT 'B' SITE GRADING PLAN

PROJECT NO.

19007A

DRAWN BY

MEWC

CHECKED BY

TGM

DATE

MARCH 2019

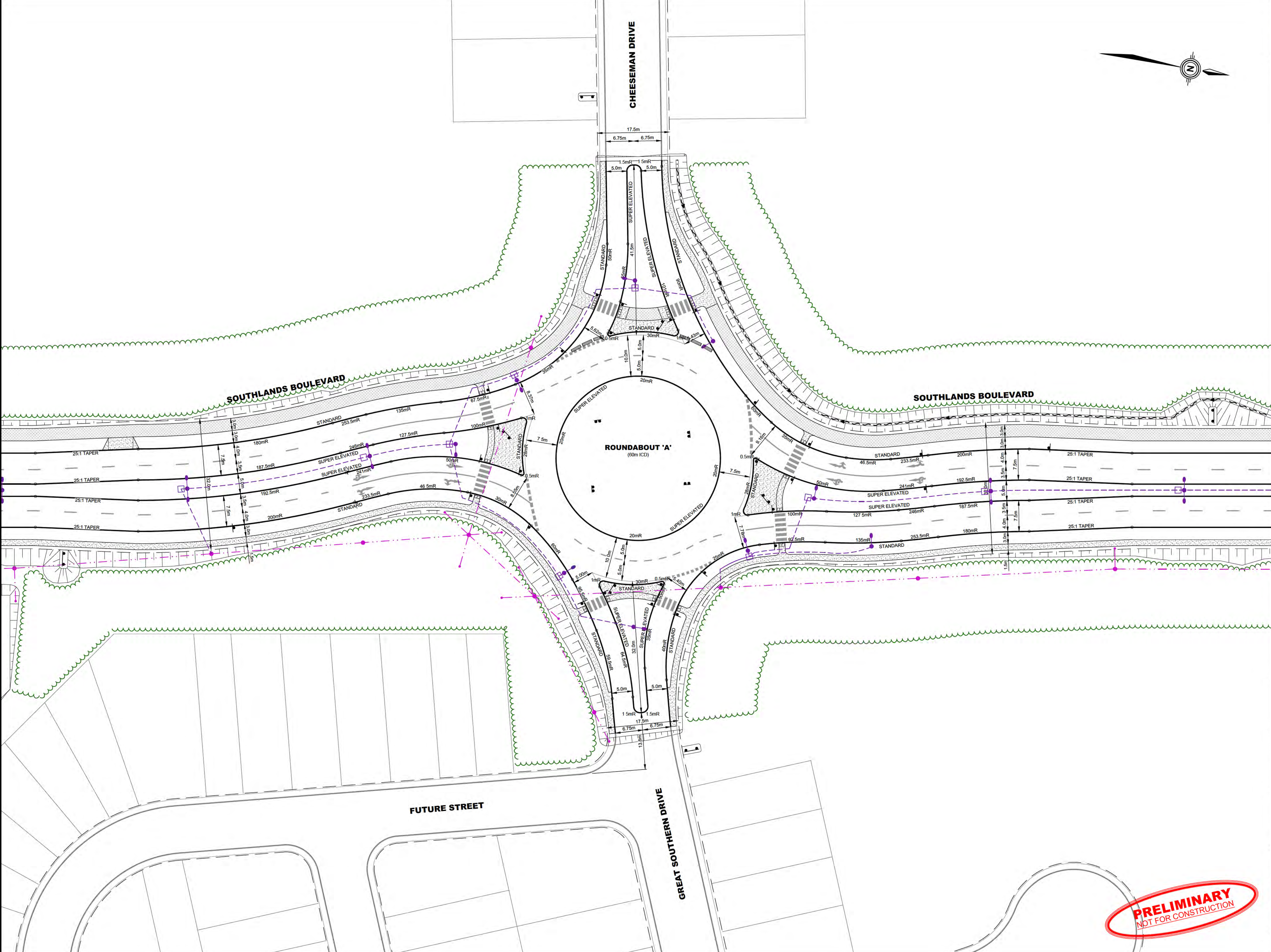
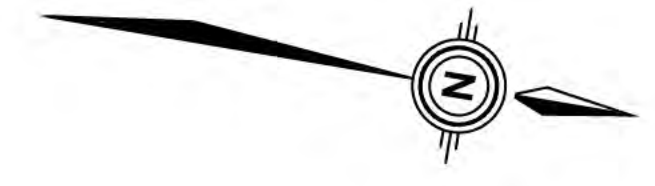
DRAWING NO.

C8

SCALE

1 : 300

PRELIMINARY
NOT FOR CONSTRUCTION



LEGEND:

	EXISTING GROUND SPOT ELEVATIONS
	EXISTING ASPHALT GRADE
	EXISTING WATERMAIN & FINISHED ASPHALT GRADE
	FINISHED ASPHALT / LANDSCAPE GRADE
	DIRECTION OF DRAINAGE
	NEW CONCRETE CURB
	NEW CONC. SIDEWALK
	NEW ASPHALT MULTI-USE TRAIL
	TRANSITIONAL SLOPING
	NEW DRAINAGE SWALE
	NEW STORM MANHOLE
	NEW SINGLE CATCHBASIN
	NEW DOUBLE CATCHBASIN
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	NEW TRAFFIC SIGN
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PROJECT TITLE
**SOUTHLANDS BOULEVARD
EXTENSION - PART A
(STA. 0+312 TO STA. 1+190)**

SHEET TITLE
**ROUNDAABOUT 'A'
CURB LAYOUT & DIMENSIONS**

PROJECT NO.
19007A

DRAWN BY
MEWC

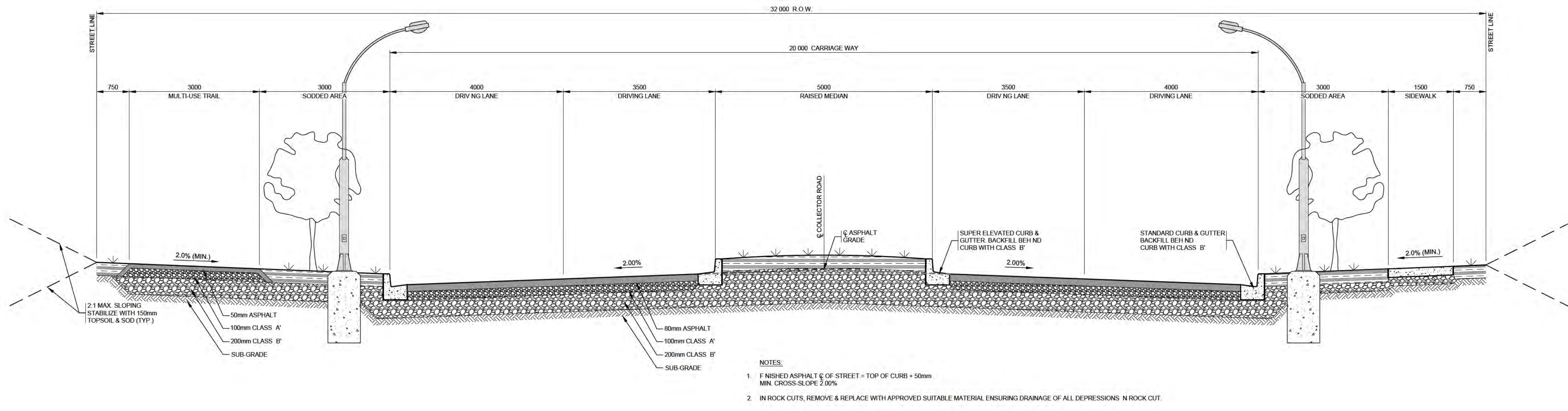
CHECKED BY
TGM

DATE
MARCH 2019

DRAWING NO.
C9

SCALE
1 : 400

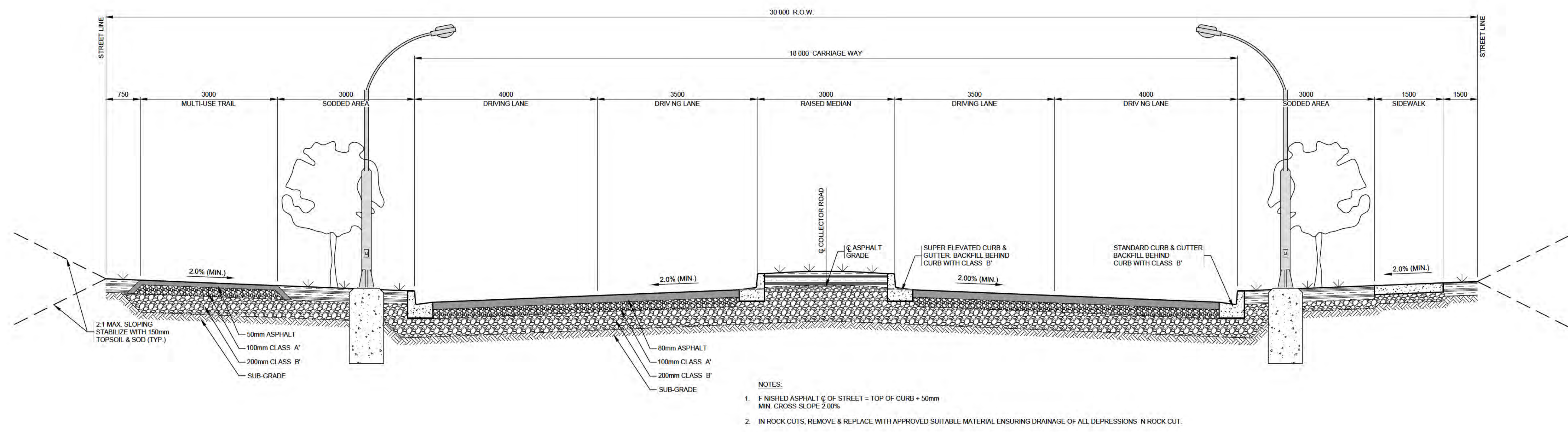




**TYPICAL ROAD CROSS-SECTION
SOUTHLANDS BOULEVARD (32.0m WIDE)**
SCALE: 1:50(H) ; 1:25(V)

1
D1

- NOTES:
1. FINISHED ASPHALT ϕ OF STREET = TOP OF CURB + 50mm
MIN. CROSS-SLOPE 2.00%
 2. IN ROCK CUTS, REMOVE & REPLACE WITH APPROVED SUITABLE MATERIAL ENSURING DRAINAGE OF ALL DEPRESSIONS IN ROCK CUT.



**TYPICAL ROAD CROSS-SECTION
SOUTHLANDS BOULEVARD (30.0m WIDE)**
SCALE: 1:50(H) ; 1:25(V)

2
D1

- NOTES:
1. FINISHED ASPHALT ϕ OF STREET = TOP OF CURB + 50mm
MIN. CROSS-SLOPE 2.00%
 2. IN ROCK CUTS, REMOVE & REPLACE WITH APPROVED SUITABLE MATERIAL ENSURING DRAINAGE OF ALL DEPRESSIONS IN ROCK CUT.

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PROJECT TITLE
**SOUTHLANDS BOULEVARD
EXTENSION - PART A
(STA. 0+312 TO STA. 1+190)**

SHEET TITLE
**CIVIL CONSTRUCTION
DETAILS - 01**

PROJECT NO.
19007A

DRAWN BY
MEWC

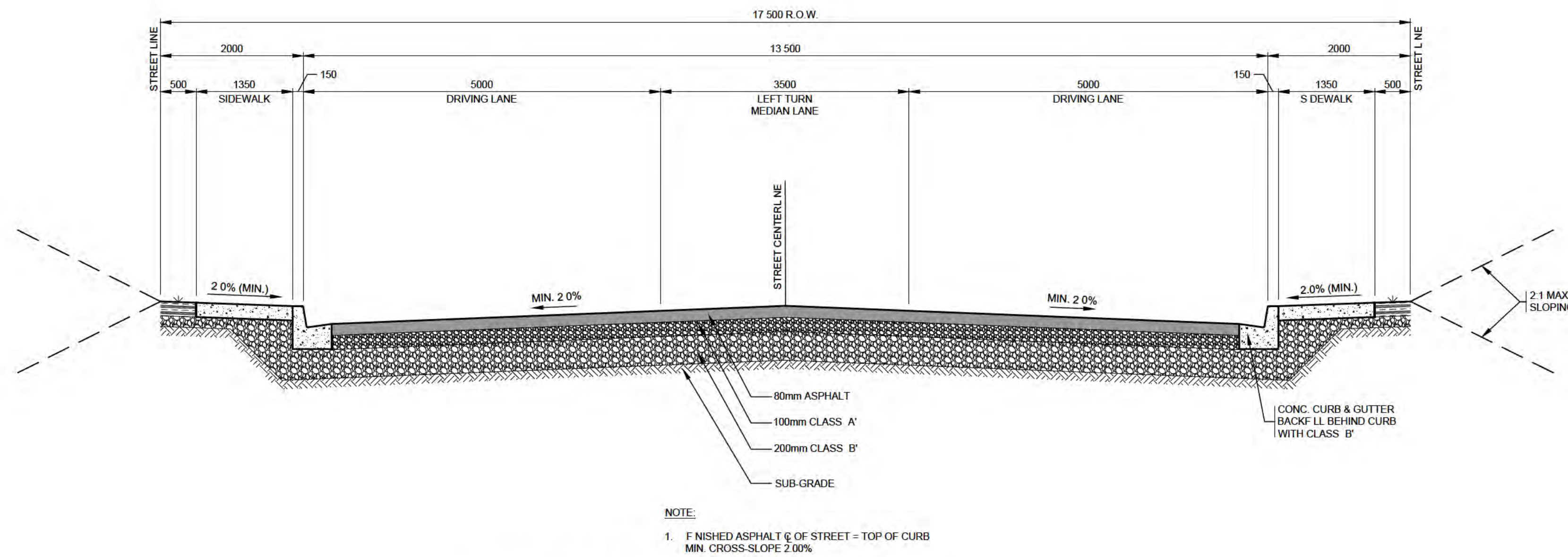
CHECKED BY
TGM

DATE
MARCH 2019

DRAWING NO.
D1

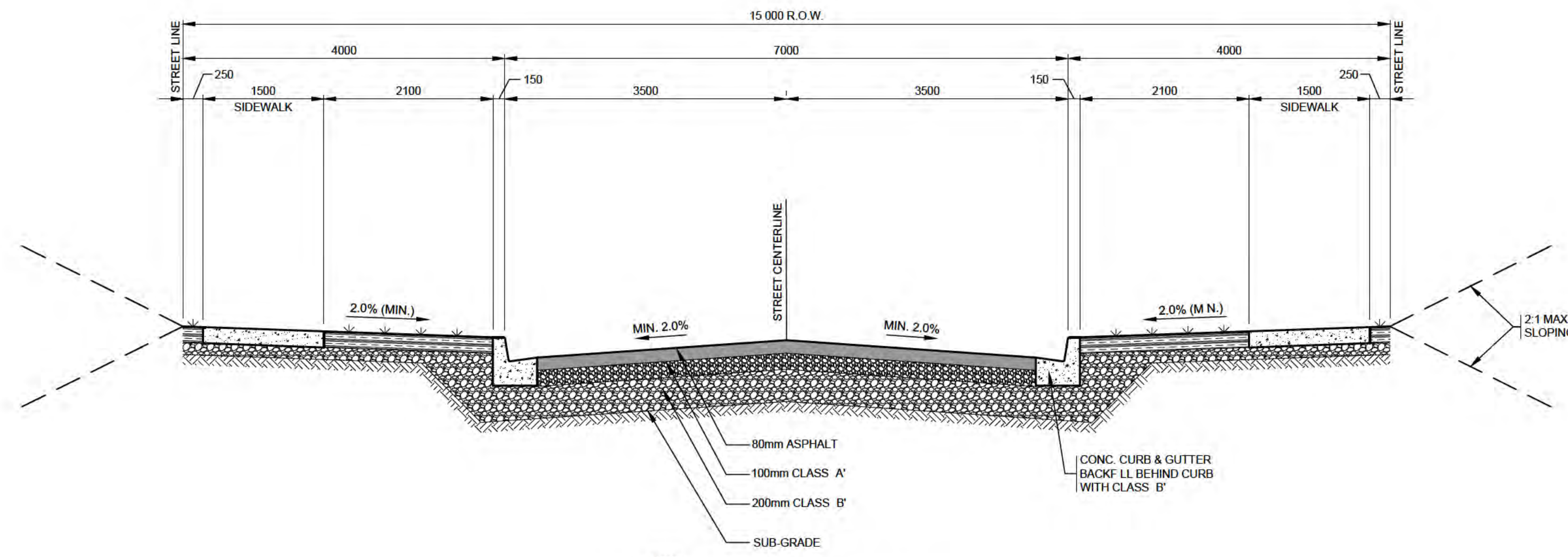
SCALE
AS SHOWN





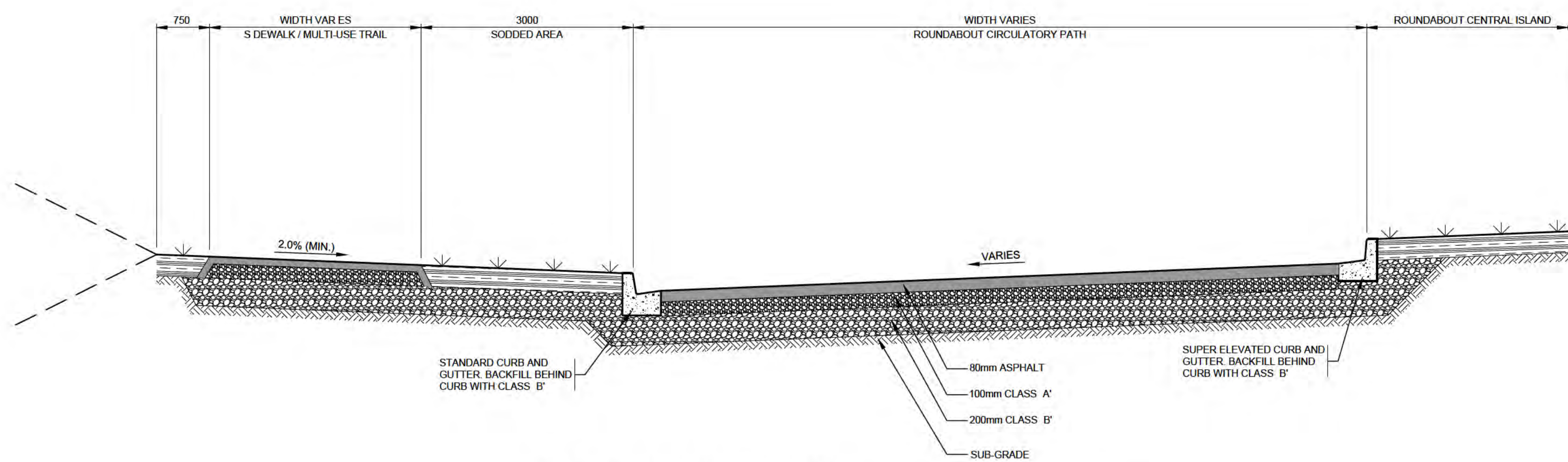
**TYPICAL ROAD CROSS-SECTION
CHEESEMAN DR / GREAT SOUTHERN DR (17.5m WIDE)**
SCALE: 1:50(H) ; 1:25(V)

1
D2



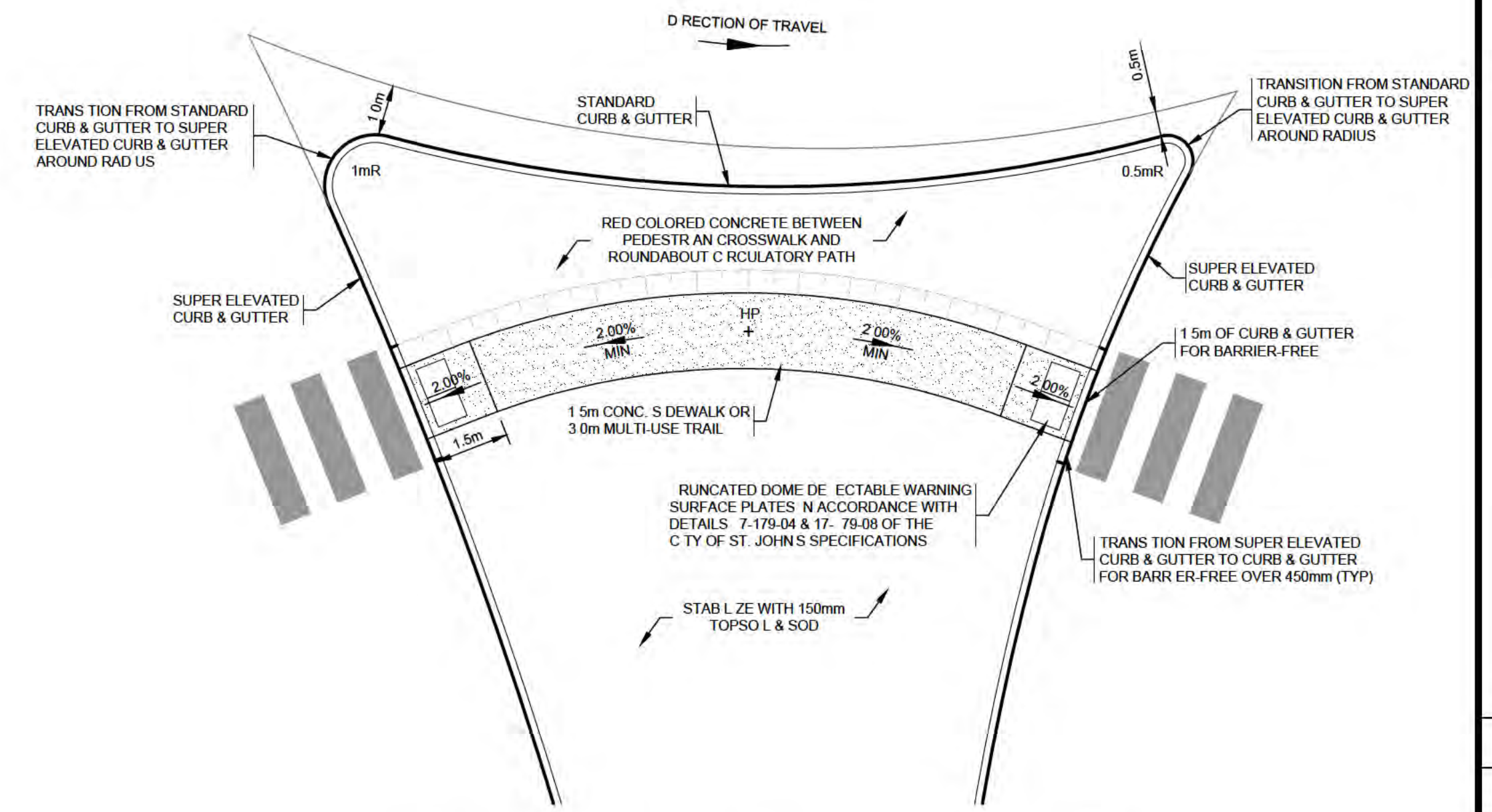
**TYPICAL ROAD CROSS-SECTION
STREET 'A' (15.0m WIDE)**
SCALE: 1:50(H) ; 1:25(V)

2
D2



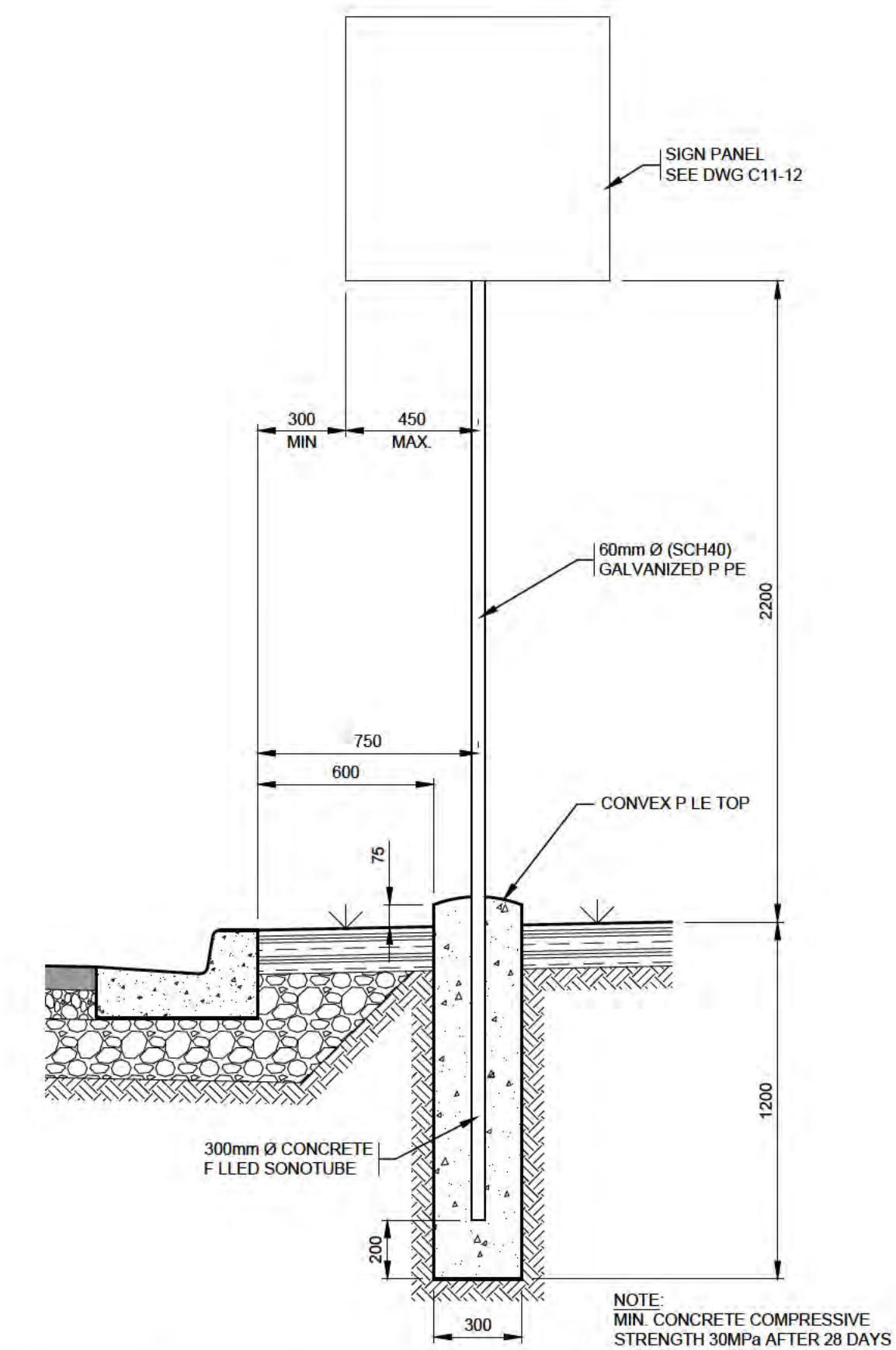
**TYPICAL ROAD CROSS-SECTION
ROUNDBOUT CIRCULATORY PATH**
SCALE: 1:50(H) ; 1:25(V)

3
D2



ROUNDBOUT SPLITTER ISLAND
SCALE: N.T.S.

4
D2



SINGLE TRAFFIC SIGN POST DETAIL
SCALE: 1 : 20

5
D2

**PRELIMINARY
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PROJECT TITLE
**SOUTHLANDS BOULEVARD
EXTENSION - PART A
(STA. 0+312 TO STA. 1+190)**

SHEET TITLE
**CIVIL CONSTRUCTION
DETAILS - 02**

PROJECT NO.
19007A

DRAWN BY
MEWC

CHECKED BY
TGM

DATE
MARCH 2019

DRAWING NO.
D2

SCALE
AS SHOWN