



**Addendum No. 1**  
**City of Coquitlam**  
**Tender No. 51163**  
**Princeton Ave Utility Construction & Road Grading**  
 (Consists of 17 Pages)

Issue Date: March 9, 2026

Tenderers shall note the following changes:

**Revisions**

**1. Refer to: FORM OF TENDER**

**Remove:** Appendix 1  
**Replace with:** *Revised* - Appendix 1 - *Revision No. 1*

**2. Add: Appendix D - Proposed Staging Plan**

**3. Refer to: AGREEMENT, Schedule 2, List of Drawings**

**Remove:**

TITLE	SHEET NO.	REVISION NO.	DATE
STORM SEWER – STA 2+480 TO STA 2+720	08 of 22	B	2026-02-12
STORM SEWER – STA 2+720 TO STA 2+940	09 of 22	B	2026-02-12
STORM SEWER – BURKE VILLAGE PROMENADE TO PRINCETON AVE	10 of 22	B	2026-02-12
SANITARY SEWER – STA 2+480 TO STA 2+720	11 of 22	B	2026-02-12
SANITARY SEWER – STA 2+720 TO STA 2+940	12 of 22	B	2026-02-12
SANITARY SEWER – BURKE VILLAGE PROMENADE TO PRINCETON AVE	13 of 22	B	2026-02-12
SERVICE CONNECTIONS	14 of 22	B	2026-02-12

**Replace with:**

TITLE	SHEET NO.	REVISION NO.	DATE
STORM SEWER – STA 2+480 TO STA 2+720	08 of 22	C	2026-03-03
STORM SEWER – STA 2+720 TO STA 2+940	09 of 22	C	2026-03-03
STORM SEWER – BURKE VILLAGE PROMENADE TO PRINCETON AVE	10 of 22	C	2026-03-03

TITLE	SHEET NO.	REVISION NO.	DATE
SANITARY SEWER – STA 2+480 TO STA 2+720	11 of 22	C	2026-03-03
SANITARY SEWER – STA 2+720 TO STA 2+940	12 of 22	C	2026-03-03
SANITARY SEWER – BURKE VILLAGE PROMENADE TO PRINCETON AVE	13 of 22	C	2026-03-03
SERVICE CONNECTIONS	14 of 22	C	2026-03-03

### **Questions & Clarifications**

Q1) Is Sanitite pipe and Inserta tees an acceptable alternative to the specified pipe material?

**A1) For this project, Sanitite pipe and Inserta tees are not an acceptable alternative product for the proposed sewer and drainage pipes to be installed.**

Q2) For 1200mm MH D4 and D5, the details indicate an inside drop; however, the incoming pipe diameters are 450mm and 525mm. Based on these sizes, the manholes may need to be upsized to accommodate an inside drop. Could you please review and confirm whether these manholes are to be upsized or if an outside drop should be used instead?

**A2) Drainage manholes DMH4 and DMH5 are Inside Ramp manholes as per MMCD S3. The callouts noting “Drop Manhole” will be removed in the Issued for Construction Drawings to avoid confusion.**

Q3) Could you also please review and confirm the quantities for the 1200mm storm manholes? Our takeoff indicates a total of 11 manholes (including the outside drop manhole and the energy dissipator sump), whereas the schedule of value reference 13 in total.

**A3) Refer to *Revised* – Appendix 1 – *Revision No. 1***

Q4) During the site walkthrough on February 26, several tree root stumps were observed. Could you please confirm whether all existing tree root stumps are to remain in place or be removed by the awarded contractor as part of this tender scope?

**A4) There were 32 large trees (>20cm DBH) and multiple uncounted small trees and shrubs (<20cm DBH) felled within the fill slope footprint with stumps left in the ground. Large logs have been removed from site. The Contractor is responsible for removing all remaining stumps, topsoil, and organic material within the described footprint as part of the stripping and offsite removals work. This work is paid under Pay Item 5.01 – Common Excavation – Offsite Disposal.**

Q5) Can the tender closing date be extended?

**A5) At this point in time, the City will not be extending the Closing Date. Closing date remains the same, March 13, 2026. Please monitor the City's website for further addenda.**

- Q6) Bid item #6.01 75mm Granular base indicates 5800 MT of Subbase for the road, however as per the Civil drawing we would only require approximately 5000 MT. Please confirm quantity.
- A6) Quantity of 5,800 tonnes as shown in the Schedule of Quantities and Prices has been checked and confirmed correct.**
- Q7) Bid item #5.03 Imported embankment fill & Bid item #5.02 Onsite reuse of common Ex seems to be an underestimate and overestimate respectively. As per the civil drawing profiles, we get almost double of the embankment fill qty and half of the common ex reuse qty of the SOQ. Please confirm quantity.
- A7) Quantities as shown in the Schedule of Quantities and Prices have been checked and confirmed correct.**
- Q8) Supplementary specification section 1.8.2 (waterworks) indicates that we could use the excavated native material as part of embankment fill. However, the sections for storm and sanitary works does not specify that. Could you please confirm if we could use the excavated native material from storm and sanitary works as embankment fill
- A8) Excavated native material from storm and sanitary works can be used as embankment fill.**
- Q9) Supplementary specification section 1.8.2 (waterworks) indicates that the use of the excavated native material as trench cover backfill is at that discretion of the contract administrator. However, the storm and sanitary works section of the supplementary specification (1.6.1 & 1.6.2) accepts the use of native cover backfill as long as its free from organics and cobbles greater than 150mm. Could you please confirm if the use of the native cover backfill for storm and sanitary works are also at that discretion of the contract administrator.
- A9) The use of native excavated material as trench cover backfill, as long as its free from organics and cobbles greater than 150mm, is acceptable for the water, storm, and sanitary installation works. The intent in this Contract is to use native excavated material as trench backfill.**
- Q10) Could you please confirm if the hydrant on STA 2+580 does not need a gate valve on the mainline.
- A10) Based on City standards for minimum spacing, no valve is required on the mainline at this hydrant lead.**
- Q11) Please confirm quantities of manhole risers on the SOQ.
- A11) Refer to *Revised* – Appendix 1 – *Revision No. 1***
- Q12) Could you please provide meeting notes from the on-site meeting on February 26<sup>th</sup>?

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**A12) The non-mandatory site meeting on February 26<sup>th</sup> was a site walkthrough with prospective tenderers. Tenderers were directed to send their questions in writing which are included and responded to in this Addendum No. 1.**

Q13) Is a geotechnical report available for reference?

**A13) There is no geotechnical report available.**

Q14) Is there a soil characterization available for offsite disposal. Instruction to Tenderers Section 8.0 indicate that no subsurface investigation is required. Is the Contractor responsible for soil testing prior to offsite disposal

**A14) The Contractor is not responsible for testing soils to be disposed offsite.**

Q15) Could you please provide a tree protection plan that indicates locations for shrub and tree preservation as required in SS14

**A15) A tree protection plan is not available. The Contractor is expected to be able to complete the work without damaging any trees outside the area of the Work.**

Q16) SS15 1.8.5.2 indicates that cross-sections for payment for Common Excavation will be taken after clearing, grubbing and stripping of existing topsoil; however, the schedule of quantities description for Item no. 5.01 "Common Excavation" includes stripping, top soil. Could you please clarify if topsoil/organic stripping is included in the price for Common Excavation

**A16) Topsoil/organic stripping is included in Pay Item 5.01 Common Excavation - Offsite Disposal as described in the Schedule of Quantities and Prices Item Description. The method to measure removal quantities for payment may be discussed and adjusted with the agreement of the Contract Administrator.**

Q17) SS15 1.8.5.6 indicates payment for imported embankment fill includes adjustment of moisture content. Could you please confirm if this only applies to the addition of water to achieve compaction, or if this requirement is to reduce the moisture content of the fill supplied by others.

**A17) Adjustment of moisture content applies to the addition of water to achieve compaction.**

Q18) If native material is not accepted for trench backfill, how will the contractor be paid for offsite disposal of this material.

**A18) Any unusable native material would be disposed offsite and paid under Pay Item 5.01 Common Excavation - Offsite Disposal. Note that the intent of this Contract is to reuse native excavated material for trench backfill where possible.**

Q19) Drawing notes indicate SDR28 sanitary sewer pipe. Please confirm that this should be SDR35.

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- A19) Sanitary sewer pipes are to be SDR35 as per the Schedule of Quantities. This will be updated in the Issued for Construction drawings.**
- Q20) SGC 4.12.11 States "Failure to follow DFO/FLNRO BMPS and the approved permit for Instream Works or as instructed by Contract Administrator will result in shut-down of the work". Could you please provide the approved permit for reference.
- A20) There is no Instream Works permit required for this project. Refer to Supplementary Contract Specifications Section 01 57 01S, Environmental Protection, for the Contractor's erosion and sediment control responsibilities.**
- Q21) Is there a set start date for this project?
- A21) The proposed start date for this Contract is May 1<sup>st</sup>, 2026. Following the Notice of Award, an earlier start date may be acceptable pending approval of the Contract Administrator. Refer to Supplementary Contract Specifications, Section 00 72 43S, Contract Specific Notations, Clause 1.06 "Work by Others".**
- Q22) Will a road closure on Burke Village Promenade for the storm sewer tie-in be approved?
- A22) Road closure on Burke Village Promenade may be acceptable for the storm sewer tie-in work. The acceptance of this road closure will be at the sole discretion of the Contract Administrator due to work by Others in the area. Refer to Supplementary Contract Specifications, Section 00 72 43S, Contract Specific Notations, Clause 1.06 "Work by Others".**
- Q23) Imported embankment fill - Since it's supplied by others, could you please confirm how it will be delivered. Would it be delivered daily from the time we'll be starting to fill the embankment? Or would it be stockpiled beforehand. In the case of it being delivered daily, approximately how many MT/day could we expect?
- A23) The Imported Embankment Fill Supplied by Others, is sourced from the "till-like" road preload material to be removed from 4200-block Cedar Drive, Coquitlam, within the City right-of-way. Currently, the assumed start date of delivering the preload material to this Princeton site is May 1<sup>st</sup>. It is not yet determined how many tonnes per day will be delivered.**
- Following the Notice of Award, earlier delivery of materials can be coordinated with the Contract Administrator. For the Contractor's responsibilities of coordinating and handling these imported materials, refer to Supplementary Contract Specifications, Section 00 72 43S, Contract Specific Notations, Clause 1.06 "Work by Others".**
- Q24) Trench dam detail from the civil drawing has no indication for a cleanout. However, section 1.6.6 on the supplementary specification requires a cleanout fo the trench dams. Please confirm if we could need cleanout for the trench dam
- A24) Cleanouts are not required for the trench dams.**
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- Q25) What happens if the imported preload material does not meet compaction due to moisture content?
- A25) At this time, the expectation is that the imported material from the Cedar Drive site can be compacted as per Contract Specifications. It is not the intent of this contract to import new material.**
- Q26) Under which item do we get paid for 200mm Sanitary Services?
- A26) Sanitary services are paid under Pay Item 9.01. The Item Description has been clarified that it includes the sanitary mains and service connections.**
- Q27) Under which item do we include Tie-in to Existing Storm (refer sheet 2 detail)?
- A27) Tie-ins to existing storm main and pipes are incidental to Pay Item 10.04.**
- Q28) Is the Rip Rap Storm inlets incidental to 300mm leads?
- A28) Yes. Refer to Supplementary Contract Specifications Section 33 40 01S, STORM SEWERS, Clause 1.6.2.**
- Q29) Are we to assume Watermain Temp ends (Blow-offs) are to be included in Items 8.09 & 8.10?
- A29) Yes. Refer to Supplementary Contract Specifications Section 33 11 01S, WATERWORKS, Clause 1.8.16.**

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***End of Addendum No. 1***

Tenderers shall take into account the content of this Addendum in the preparation and submission of the Tender which will form part of the contract and should be acknowledged on the Tender form where indicated.

Upon submitting a Tender, Tenderers will be deemed to have received all addenda and considered the information for inclusion in the Tender submitted.

*Issued by:*

M. Pain  
Manager Procurement  
Email: [bid@coquitlam.ca](mailto:bid@coquitlam.ca)

**Revised - APPENDIX 1 - Revision No. 1**  
**FORM OF TENDER**

**Contract: 51163**  
**Princeton Ave Utility Construction & Road Grading**

**SCHEDULE OF QUANTITIES AND PRICES**

(see paragraph 5.3.1 of the Instruction to Tenderers)

(All prices and quotations including the Contract Prices shall Exclude GST)

\*Should there be any discrepancy in the information provided or submitted, the City's original file copy shall prevail\*

ITEM No.	MMCD Ref. (Supp. Spec.)	DESCRIPTION	UNIT	QTY	UNIT PRICE	EXTENDED AMOUNT
<b>1.00</b>	<b>01 55 005</b>	<b>TRAFFIC CONTROL, VEHICLE ACCESS, AND PARKING</b>				
1.01	(1.5.1)	Traffic Control and Management				Incidental to Contract
<b>2.00</b>	<b>01 57 015</b>	<b>ENVIRONMENTAL PROTECTION</b>				
2.01	(1.6.1)	Erosion and Sediment Control (ESC)			Allowance	\$ 120,000.00
<b>3.00</b>	<b>01 58 015</b>	<b>PROJECT IDENTIFICATION</b>				
3.01	(1.3.1)	1.2m x 1.2m Static Construction Zone Information Sign	each	4		
<b>4.00</b>	<b>31 23 17</b>	<b>ROCK REMOVAL</b>				
4.01	1.6	Rock Removal (Provisional)	cu.m.	500		
<b>5.00</b>	<b>31 24 135</b>	<b>ROADWAY EXCAVATION, EMBANKMENT AND COMPACTION</b>				
5.01	(1.8.5)	Common Excavation - Off Site Disposal, includes stripping, top soil, tree stump removal from Fill Slope area as shown on Contract Drawings and removal of top 300mm cap from existing stockpiles with vegetation growing (Provisional)	cu.m.	4,100		
5.02	(1.8.5.5)	Common Excavation - Onsite reuse (Provisional)	cu.m.	8,100		
5.03	(1.8.5.6)	Imported Embankment Fill Installation (Supplied by others)	cu.m.	11,400		
<b>6.00</b>	<b>32 11 16.15</b>	<b>GRANULAR SUBBASE</b>				
6.01	(1.4.3)	75mm Minus Crushed Granular Sub Base - Road	Tonne	5,800		
<b>7.00</b>	<b>32 92 195</b>	<b>HYDRAULIC SEEDING</b>				
7.01	(1.8.1)	Hydroseed - Flexterra FGM (Provisional)	sq.m.	5,000		
<b>8.00</b>	<b>33 11 015</b>	<b>WATERWORKS</b>				
8.01	(1.8.2)	200mm DI CL50 TR Flex Water Main (V-Bio Encased); Approved Native Backfill	lin.m.	465		
8.02	(1.8.3)	200 x 200 x 200 Tee	Each	1		
8.03	(1.8.3)	200 x 200 x 150 Tee	Each	6		
8.04	(1.8.3)	200mm 11.25 Degree DI Elbow	Each	2		
8.05	(1.8.3)	200mm Gate Valve	Each	7		
8.06	(1.8.3)	200mm Cap (for service connection)	Each	1		
8.07	(1.8.3)	300mm to 200mm DI Reducer	Each	1		
8.08	(1.8.15)	Fire Hydrant Lead Stubs C/W 150mm Gate Valve and Cap	Each	6		
8.09	(1.8.16)	Existing 200mm Watermain Tie-In (Mitchell Street)	Each	1		
8.10	(1.8.16)	Existing 300mm Watermain Tie-In (David Avenue)	Each	1		
<b>9.00</b>	<b>33 30 015</b>	<b>SANITARY</b>				
9.01	(1.6.2)	200mm SDR35 PVC Sanitary Pipe; Approved Native Backfill	lin.m.	537		
9.02	(1.6.2)	200mm Dia. Temporary Cap	Each	4		
9.03	(1.6.3)	Inspection Chambers (MMCD S9) for Service Connections	Each	4		
<b>10.00</b>	<b>33 40 015</b>	<b>STORM SEWERS</b>				
10.01	(1.6.1)(1.6.2)	300mm PVC DR35 Pipe; Approved Native Backfill	lin.m.	175		
10.02	(1.6.1)(1.6.2)	375mm PVC DR35 Pipe; Approved Native Backfill	lin.m.	30		
10.03	(1.6.1)(1.6.2)	450mm PVC DR35 Pipe; Approved Native Backfill	lin.m.	195		
10.04	(1.6.1)(1.6.2)	525mm PVC DR35 Pipe; Approved Native Backfill	lin.m.	320		
10.05	(1.6.2)	150mm Dia. Temporary Cap	Each	19		
10.06	(1.6.5)	150mm PVC DR28 CB Lead	lin.m.	115		
10.07	(1.6.6)	Trench Dam as per Contract Drawings - Includes 150mm solid and perforated PVC DR35 pipe, Drain Rock, Filter Fabric and Tie-ins to Main	each	5		
<b>11.00</b>	<b>33 44 015</b>	<b>MANHOLES AND CATCHBASINS</b>				
11.01	(1.5.1.1)	1050mm Concrete Sanitary Pre-benched Manhole Base c/w Slab, Frame and Cover	Each	9		
11.02	(1.5.1.1)	1050mm Concrete Sanitary Outside Drop Manhole (MMCD-S3) Base c/w Slab, Frame and Cover	Each	3		

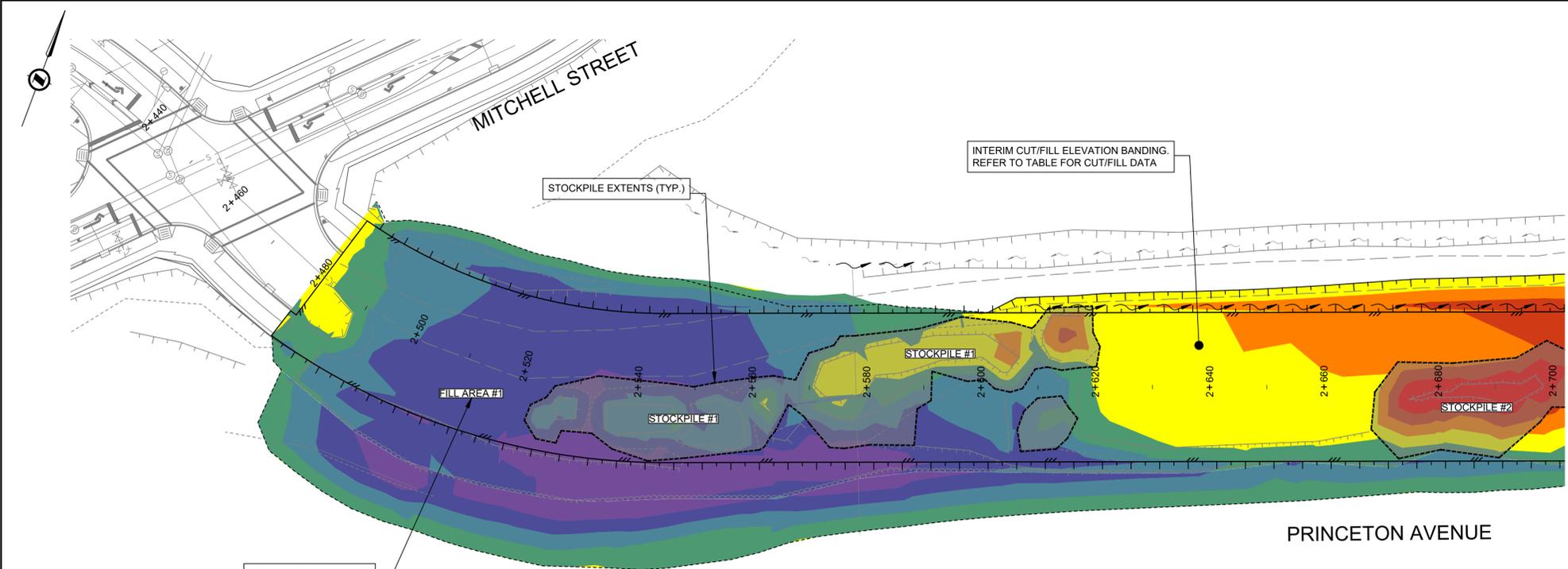
ITEM No.	MMCD Ref. (Supp. Spec.)	DESCRIPTION	UNIT	QTY	UNIT PRICE	EXTENDED AMOUNT
11.03	(1.5.1.1)	1050mm Storm Manhole c/w Slab, Frame and Cover	Each	7		
11.04	(1.5.1.1)	1200mm Storm Manhole c/w Slab, Frame and Cover	Each	9		
11.05	(1.5.1.1)	1200mm Concrete Storm Outside Drop Manhole (MMCD-S3) Base c/w Slab, Frame and Cover	Each	1		
11.06	(1.5.1.1)	1200mm Concrete Storm Energy Dissipator Sump Manhole (900mm Sump)	Each	1		
11.07	(1.5.1.2)	1050mm Storm Manhole Risers (Provisional)	Vert. Meter	18		
11.08	(1.5.1.2)	1050mm Sanitary Manhole Risers (Provisional)	Vert. Meter	22		
11.09	(1.5.1.2)	1200mm Storm Manhole Risers (Provisional)	Vert. Meter	27		

Name of Contractor \_\_\_\_\_

Total Tendered Price: (exclude GST) \_\_\_\_\_

(Transfer the amount to Form of Tender Summary Page 1)

***Appendix D -  
Proposed Staging Plan***

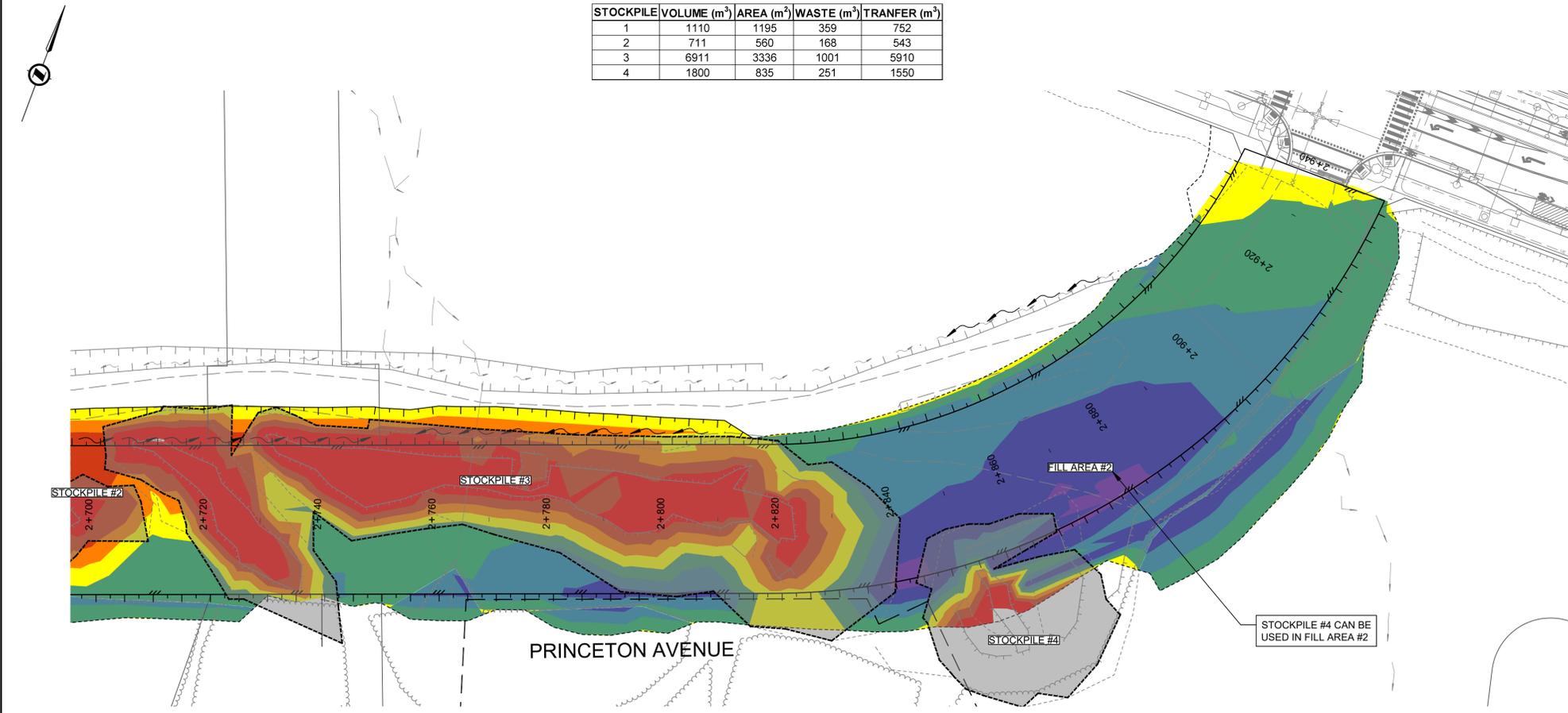


STOCKPILE	VOLUME (m <sup>3</sup> )	AREA (m <sup>2</sup> )	WASTE (m <sup>3</sup> )	TRANSFER (m <sup>3</sup> )
1	1110	1195	359	752
2	711	560	168	543
3	6911	3336	1001	5910
4	1800	835	251	1550

**NOTE TO TENDERERS:**

This Staging Plan is provided for Information Only. The stockpiles shown in this drawing are based on the conditions as they exist as of February 26, 2026. This Staging Plan does not include the Imported Embankment Fill material (Supplied by Others).

OG VS. INTERIM GRADING CUT/FILL ELEVATION BANDING			
NUMBER	MINIMUM	MAXIMUM	COLOUR
1	-5.000	-3.000	Red
2	-3.000	-2.000	Orange
3	-2.000	-1.000	Yellow
4	-1.000	0.000	Light Green
5	0.000	1.000	Green
6	1.000	2.000	Dark Green
7	2.000	3.000	Blue
8	3.000	5.000	Purple



REV NO	REVISIONS	DATE	DRAWN	APPRD
A	ISSUED FOR ADDENDUM #1	2026-03-03 PM	CJB	

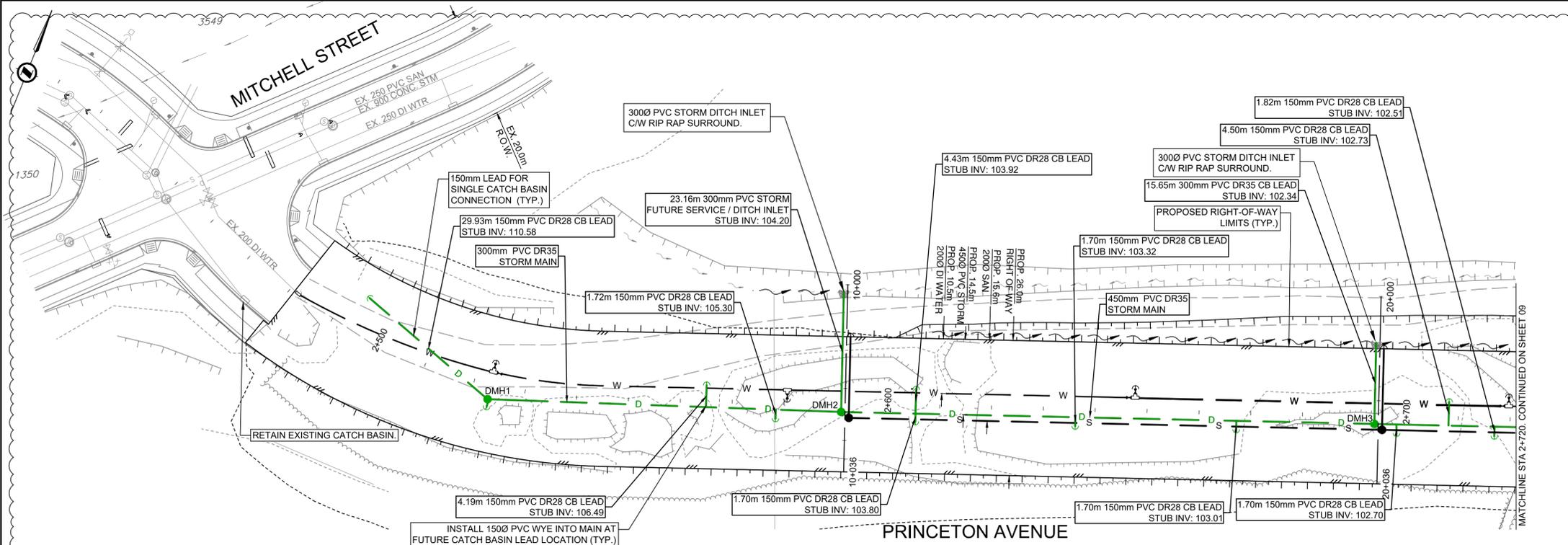
**Coquitlam**  
Engineering & Public Works  
3000 Guildford Way, Coquitlam, B.C. V3B 7N2

**PRINCETON AVENUE**  
STAGING PLAN

**ISL Engineering and Land Services**  
201-9999 HENNING DRIVE, BURNABY, BC, V5C 6P9  
T: (604)629-2695 F: (604)629-2698

SCALE		IFT DESIGN NO.		DWG. NO.
1:500		DATE	JUN. 12, 2018	
DRAWN BY	PM	DESIGN BY	PM	
CHECKED BY	CJB	APPROVED BY	CJB	REV. A

**32176**



- NOTES:**
- REFER TO DRAWING 1 FOR GENERAL NOTES
  - ELEVATIONS ARE RELATIVE TO CVD28GVRD. HORIZONTAL COORDINATES ARE IN UTM ZONE 10 GROUND COORDINATES.
  - MANHOLE RIM ELEVATIONS ARE RELATIVE TO PRINCETON AVENUE FUTURE FINISHED GROUND ELEVATION. PRINCETON AVENUE STORM/SANITARY MANHOLES TO BE INSTALLED WITHOUT FRAME AND COVER AND HAVE STEEL PLATE INSTALLED ON TOP OF BARREL. LOCATION OF MANHOLE TO BE SURVEYED PRIOR TO GRADING BACKFILL OVER STEEL PLATES. CATCH BASIN LEADS TO BE CAPPED. LOCATIONS OF CAPS TO BE SURVEYED PRIOR TO BACKFILL.

**ROAD CLASSIFICATIONS:**

MUNICIPAL ARTERIAL:  
DAVID AVENUE

STANDARD COLLECTOR:  
MITCHELL STREET

COMMUNITY COLLECTOR:  
BURKE VILLAGE PROMENADE,  
PRINCETON AVENUE

DESIGN SPEED 30km/h

FOR DETAILS REFER TO SHEET 02

FOR ROAD AND WATER REFER TO SHEET 04 THRU 07

FOR STORM REFER TO SHEET 08 THRU 10

FOR SANITARY REFER TO SHEET 11 THRU 13

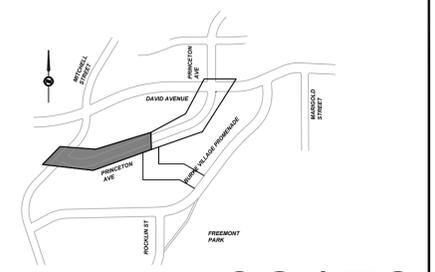
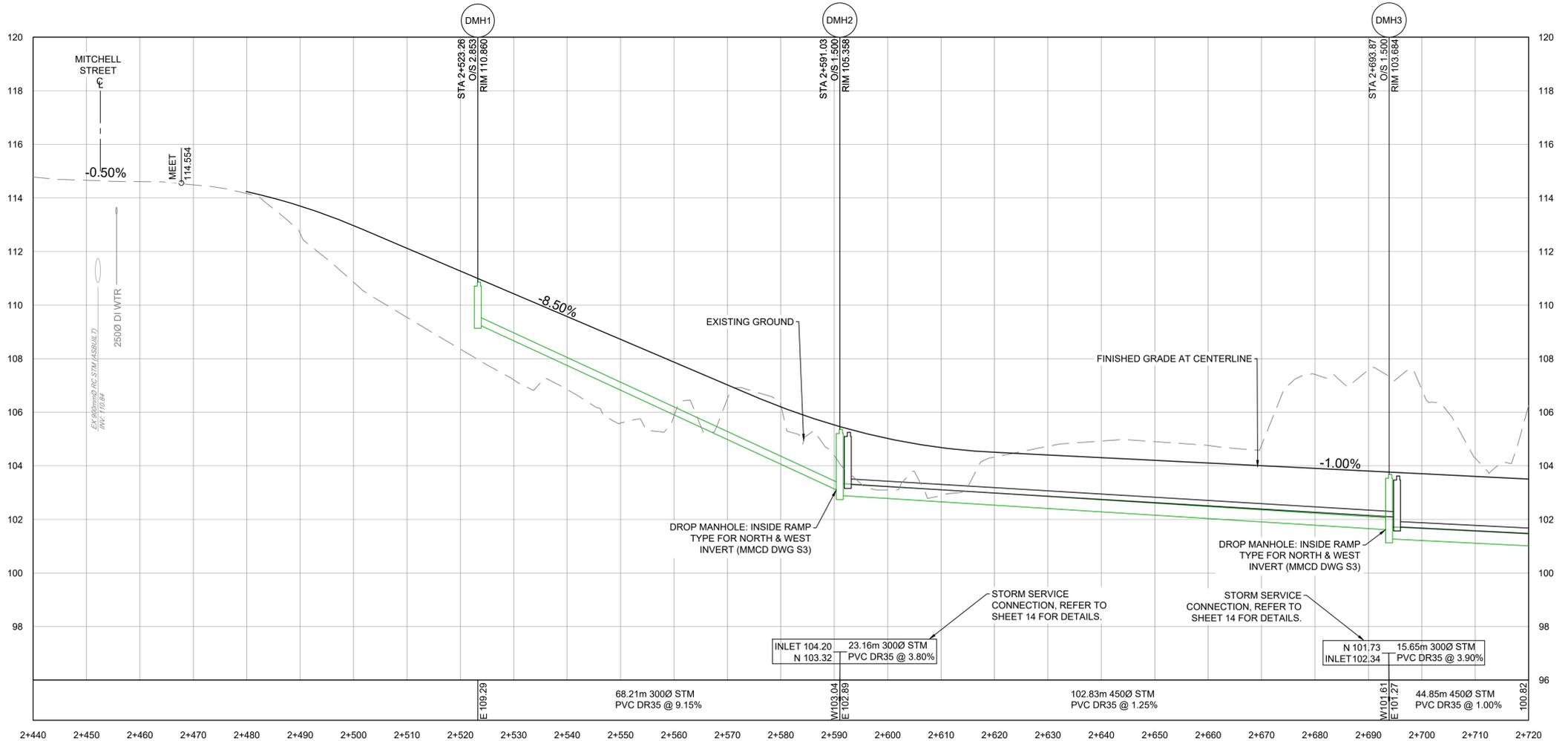
FOR PRINCETON SERVICES REFER TO SHEET 14

FOR ESC REFER TO SHEET 15 THRU 16

FOR CROSS-SECTIONS REFER TO SHEET 17 THRU 22

**STORM MANHOLE TABLE**

MH No.	RIM EL.	PIPE INV.	LOCATION	TYPE
DMH1	RIM = 110.86	E Out 109.29	NORTHING: 5462458.741 EASTING: 519369.340	1,050mm MH AS PER MMCD S1
DMH2	RIM = 105.36	N In 103.32 E Out 102.89 W In 103.04	NORTHING: 5462481.879 EASTING: 519433.507	1,050mm MH AS PER MMCD S1
DMH3	RIM = 103.68	W In 101.61 E Out 101.27 N In 101.73	NORTHING: 5462518.080 EASTING: 519529.757	1,050mm MH AS PER MMCD S1



KEY PLAN **32176**

File: C:\ADSK\CAD\CAD\Projects\32176\Production\Sheet32176\_S1\_03\_Storm.dwg

PLST DATE: Match 3-2026

REV NO	REVISIONS	DATE	DRAWN	APPRD
A	ISSUED FOR TENDER - DRAFT	2026-01-29 PM	CJB	
B	ISSUED FOR TENDER	2026-02-12 PM	CJB	
C	ISSUED FOR ADDENDUM #1	2026-03-03 PM	CJB	



**STORM SEWER**

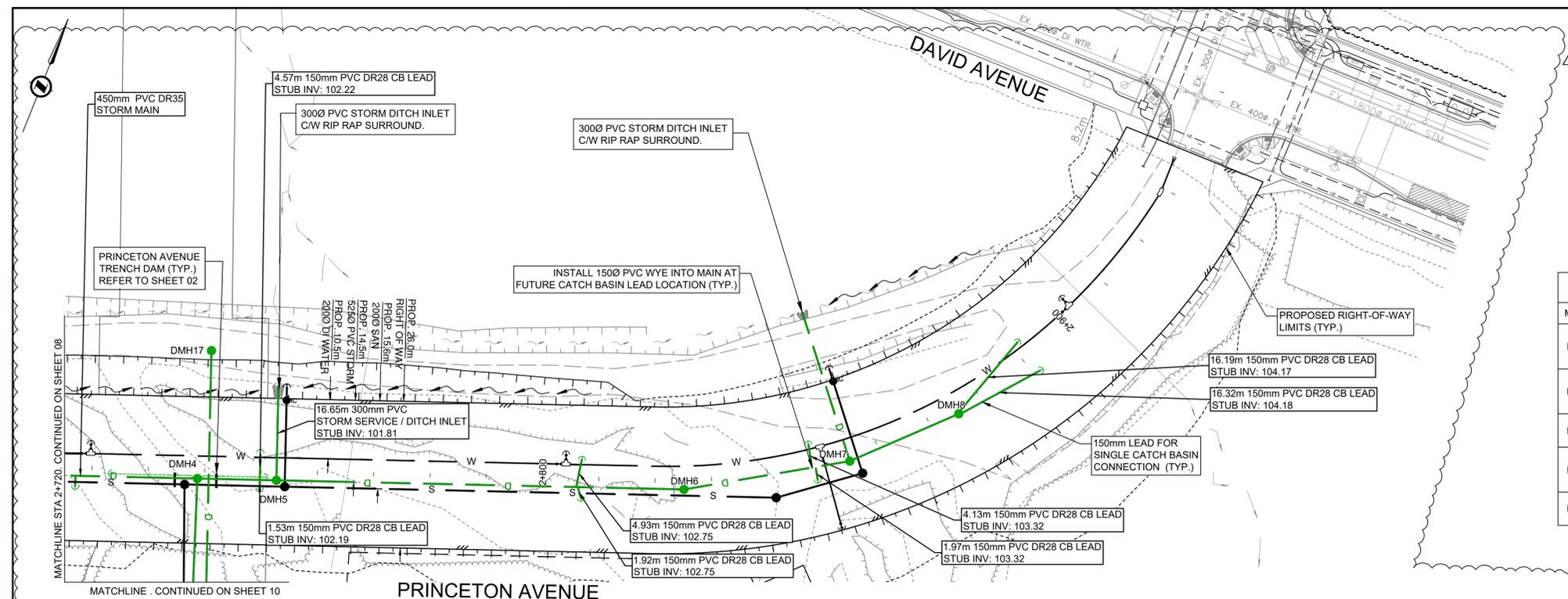
**PRINCETON AVENUE**

(STA. 2+480 TO 2+720)



IFT DESIGN NO.

SCALE	DATE	DWG. NO.
1:500H 1:100V	OCT 18, 2019	08
DRAWN BY PM	DESIGN BY PM	OF 22
CHECKED BY CJB	APPROVED BY CJB	REV. C



- NOTES:**
- REFER TO DRAWING 1 FOR GENERAL NOTES
  - ELEVATIONS ARE RELATIVE TO CVD28GVRD. HORIZONTAL COORDINATES ARE IN UTM ZONE 10 GROUND COORDINATES.
  - MANHOLE RIM ELEVATIONS ARE RELATIVE TO PRINCETON AVENUE FUTURE FINISHED GROUND ELEVATION. PRINCETON AVENUE STORM/SANITARY MANHOLES TO BE INSTALLED WITHOUT FRAME AND COVER AND HAVE STEEL PLATE INSTALLED ON TOP OF BARREL. LOCATION OF MANHOLE TO BE SURVEYED PRIOR TO GRADING BACKFILL OVER STEEL PLATES. CATCH BASIN LEADS TO BE CAPPED. LOCATIONS OF CAPS TO BE SURVEYED PRIOR TO BACKFILL.

**ROAD CLASSIFICATIONS:**

MUNICIPAL ARTERIAL:  
DAVID AVENUE

STANDARD COLLECTOR:  
MITCHELL STREET

COMMUNITY COLLECTOR:  
BURKE VILLAGE PROMENADE,  
PRINCETON AVENUE

DESIGN SPEED 30km/h

FOR DETAILS REFER TO SHEET 02

FOR ROAD AND WATER REFER TO SHEET 04 THRU 07

FOR STORM REFER TO SHEET 08 THRU 10

FOR SANITARY REFER TO SHEET 11 THRU 13

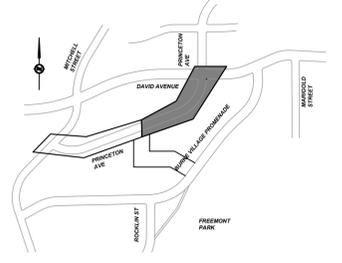
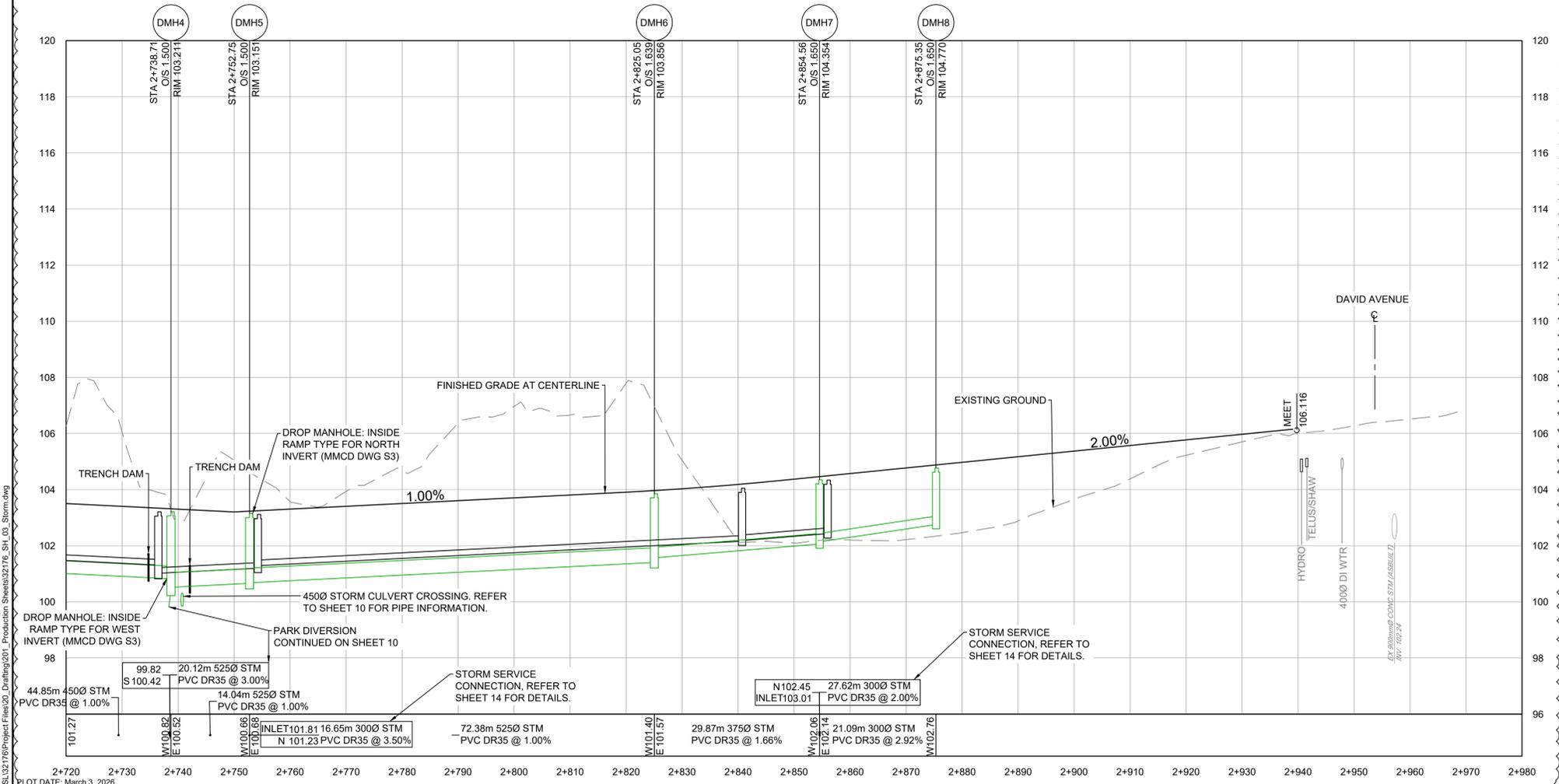
FOR PRINCETON SERVICES REFER TO SHEET 14

FOR ESC REFER TO SHEET 15 THRU 16

FOR CROSS-SECTIONS REFER TO SHEET 17 THRU 22

**STORM MANHOLE TABLE**

MH No.	RIM EL.	PIPE INV.	LOCATION	TYPE
DMH4	RIM = 103.21	W In 100.82 E In 100.52 S Out 100.42	NORTHING: 5462533.868 EASTING: 519571.733	1,200mm MH AS PER MMCD S1
DMH5	RIM = 103.15	W Out 100.66 E In 100.68 N In 101.23	NORTHING: 5462538.810 EASTING: 519584.872	1,200mm MH AS PER MMCD S1
DMH6	RIM = 103.86	NE In 101.57 W Out 101.40	NORTHING: 5462564.290 EASTING: 519652.618	1,200mm MH AS PER MMCD S1
DMH7	RIM = 104.35	NE In 102.14 SW Out 102.06 NW In 102.45	NORTHING: 5462579.927 EASTING: 519678.068	1,050mm MH AS PER MMCD S1
DMH8	RIM = 104.77	SW Out 102.76	NORTHING: 5462594.917 EASTING: 519692.896	1,050mm MH AS PER MMCD S1



KEY PLAN

**32176**

LOT DATE: March 2, 2026

REV NO	REVISIONS	DATE	DRAWN	APPRD
A	ISSUED FOR TENDER - DRAFT	2026-01-29	PM	CJB
B	ISSUED FOR TENDER	2026-02-12	PM	CJB
C	ISSUED FOR ADDENDUM #1	2026-03-03	PM	CJB



**STORM SEWER**

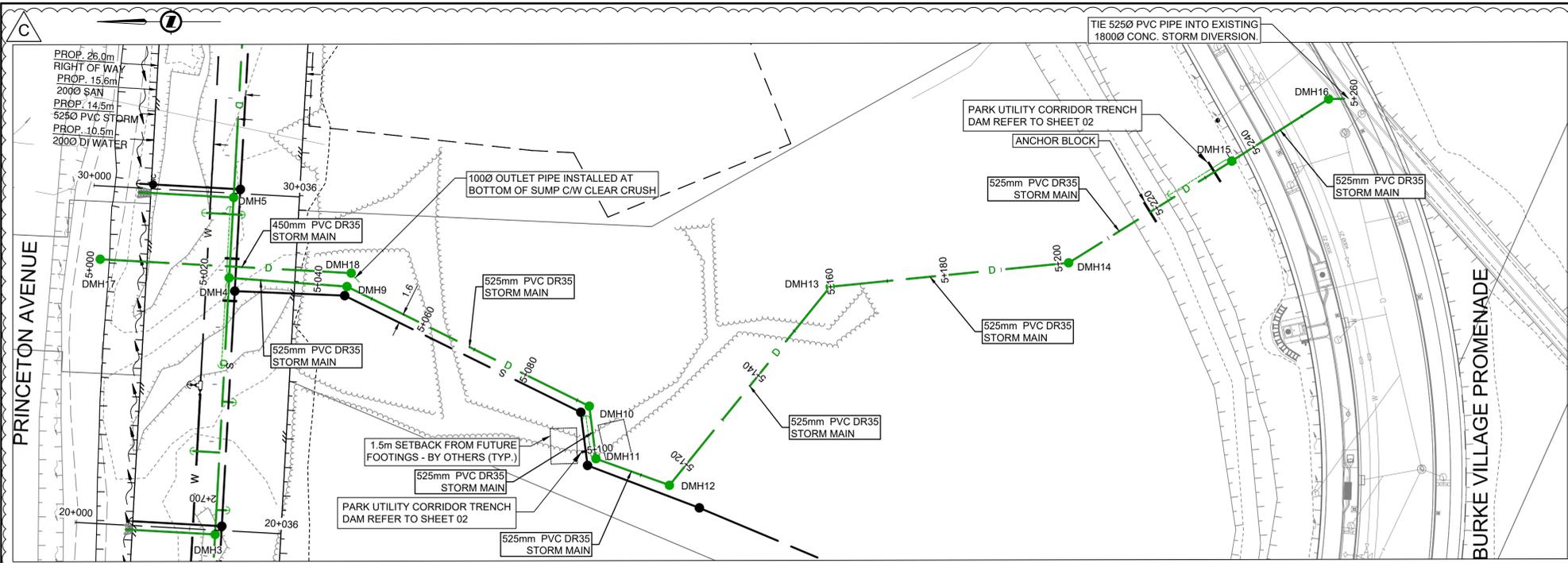
**PRINCETON AVENUE**

(STA. 2+720 TO 2+940)



IFT DESIGN NO.

SCALE	DATE	DWG. NO.
1:500H 1:100V	OCT 18, 2019	09 OF 22
DRAWN BY: PM	DESIGN BY: PM	REV. C
CHECKED BY: CJB	APPROVED BY: CJB	



- NOTES:**
- REFER TO DRAWING 1 FOR GENERAL NOTES
  - ELEVATIONS ARE RELATIVE TO CVD28GVRD. HORIZONTAL COORDINATES ARE IN UTM ZONE 10 GROUND COORDINATES.
  - MANHOLE RIM ELEVATIONS ARE RELATIVE TO PRINCETON AVENUE FUTURE FINISHED GROUND ELEVATION. PRINCETON AVENUE STORM/SANITARY MANHOLES TO BE INSTALLED WITHOUT FRAME AND COVER AND HAVE STEEL PLATE INSTALLED ON TOP OF BARREL. LOCATION OF MANHOLE TO BE SURVEYED PRIOR TO GRADING BACKFILL OVER STEEL PLATES. CATCH BASIN LEADS TO BE CAPPED. LOCATIONS OF CAPS TO BE SURVEYED PRIOR TO BACKFILL.

**ROAD CLASSIFICATIONS:**

MUNICIPAL ARTERIAL:  
DAVID AVENUE

STANDARD COLLECTOR:  
MITCHELL STREET

COMMUNITY COLLECTOR:  
BURKE VILLAGE PROMENADE,  
PRINCETON AVENUE

DESIGN SPEED 30km/h

FOR DETAILS REFER TO SHEET 02

FOR ROAD AND WATER REFER TO SHEET 04 THRU 07

FOR STORM REFER TO SHEET 08 THRU 10

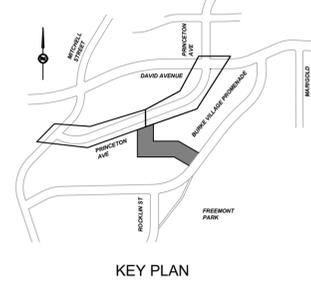
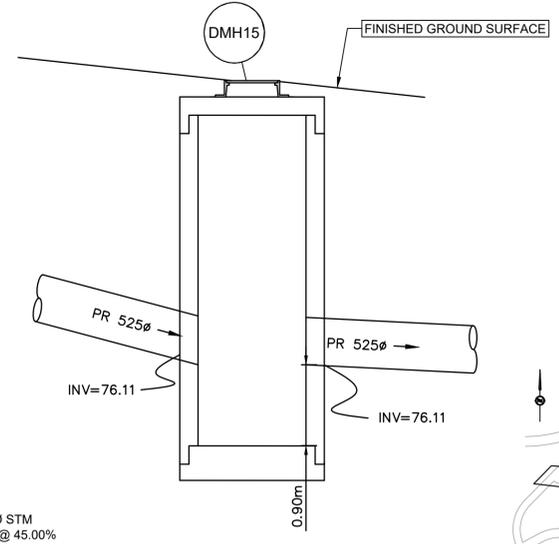
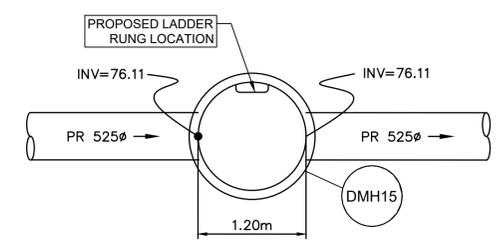
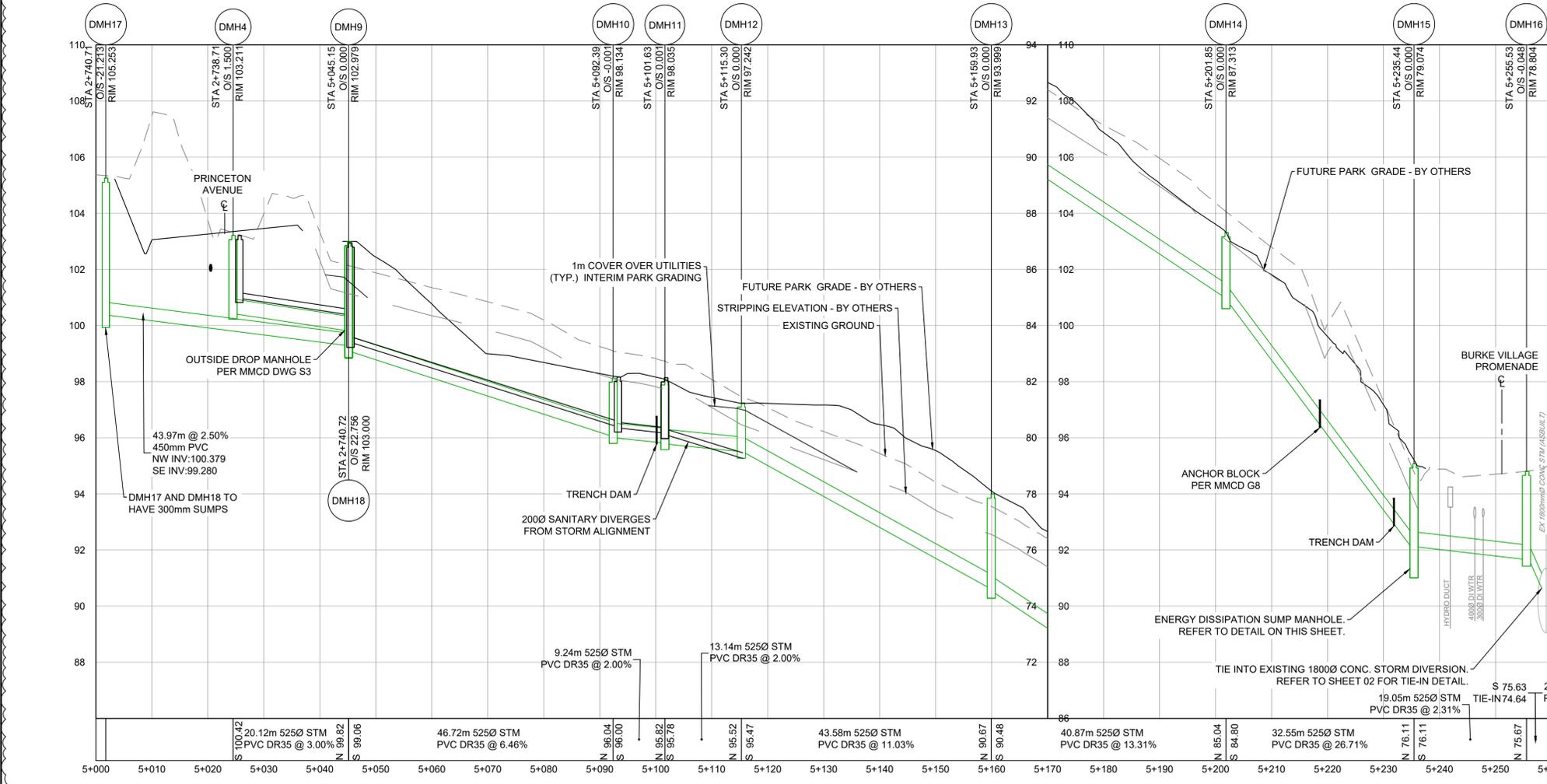
FOR SANITARY REFER TO SHEET 11 THRU 13

FOR PRINCETON SERVICES REFER TO SHEET 14

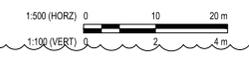
FOR ESC REFER TO SHEET 15 THRU 16

FOR CROSS-SECTIONS REFER TO SHEET 17 THRU 22

STORM MANHOLE TABLE				
MH No.	RIM EL.	PIPE INV.	LOCATION	TYPE
DMH4	RIM = 103.21	W In 100.82 E In 100.52 S Out 100.42	NORTHING: 5462533.868 EASTING: 519571.733	1,200mm MH AS PER MMCD S1
DMH9	RIM = 102.98	S Out 99.06 N In 99.82	NORTHING: 5462514.409 EASTING: 519578.644	1,200mm MH AS PER MMCD S1
DMH10	RIM = 98.13	N In 96.04 SW Out 96.00	NORTHING: 5462467.206 EASTING: 519576.618	1,200mm MH AS PER MMCD S1
DMH11	RIM = 98.03	NE In 95.82 S Out 95.78	NORTHING: 5462462.451 EASTING: 519568.700	1,200mm MH AS PER MMCD S1
DMH12	RIM = 97.24	N In 95.52 E Out 95.47	NORTHING: 5462448.814 EASTING: 519569.634	1,200mm MH AS PER MMCD S1
DMH13	RIM = 94.00	W In 90.67 SE Out 90.48	NORTHING: 5462437.061 EASTING: 519612.687	1,200mm MH AS PER MMCD S1
DMH14	RIM = 87.31	NW In 85.04 SE Out 84.80	NORTHING: 5462400.568 EASTING: 519633.313	1,200mm MH AS PER MMCD S1
DMH15	RIM = 79.07	NW In 76.11 SE Out 76.11	NORTHING: 5462381.624 EASTING: 519661.062	1,200mm MH AS PER MMCD S1
DMH16	RIM = 78.80	NW In 75.67 SE Out 75.63	NORTHING: 5462370.497 EASTING: 519677.802	1,200mm MH AS PER MMCD S1
DMH17	RIM = 105.25	S Out 100.38	NORTHING: 5462555.830 EASTING: 519565.607	1,050mm MH AS PER MMCD S1
DMH18	RIM = 103.00	N In 99.28	NORTHING: 5462514.678 EASTING: 519581.090	1,050mm MH AS PER MMCD S1



**ENERGY DISSIPATION SUMP MANHOLE**  
NTS



PLOT DATE: March 3, 2026

REV NO	REVISIONS	DATE	DRAWN	APPRD
A	ISSUED FOR TENDER - DRAFT	2026-01-29 PM	CJB	
B	ISSUED FOR TENDER	2026-02-12 PM	CJB	
C	ISSUED FOR ADDENDUM #1	2026-03-03 PM	CJB	



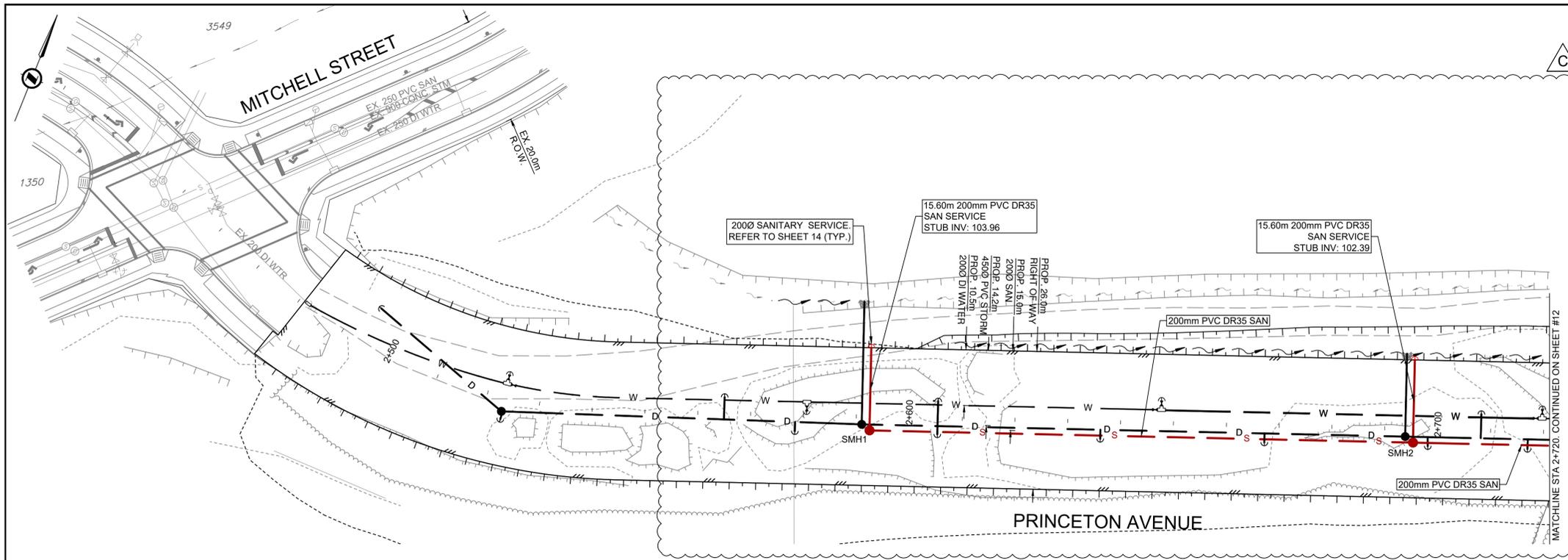
**STORM SEWER**  
**PRINCETON AVENUE**  
(BURKE VILLAGE PROMENADE TO PRINCETON AVE.)



IFT DESIGN NO. **32176**

SCALE	DATE	DWG. NO.
1:500H 1:100V	OCT 18, 2019	10 OF 22
DRAWN BY: PM	DESIGN BY: PM	
CHECKED BY: CJB	APPROVED BY: CJB	

REV. C



NOTES:

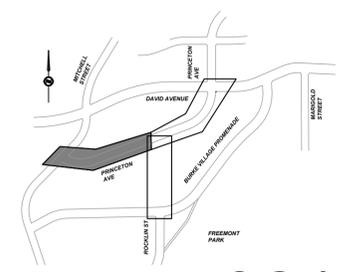
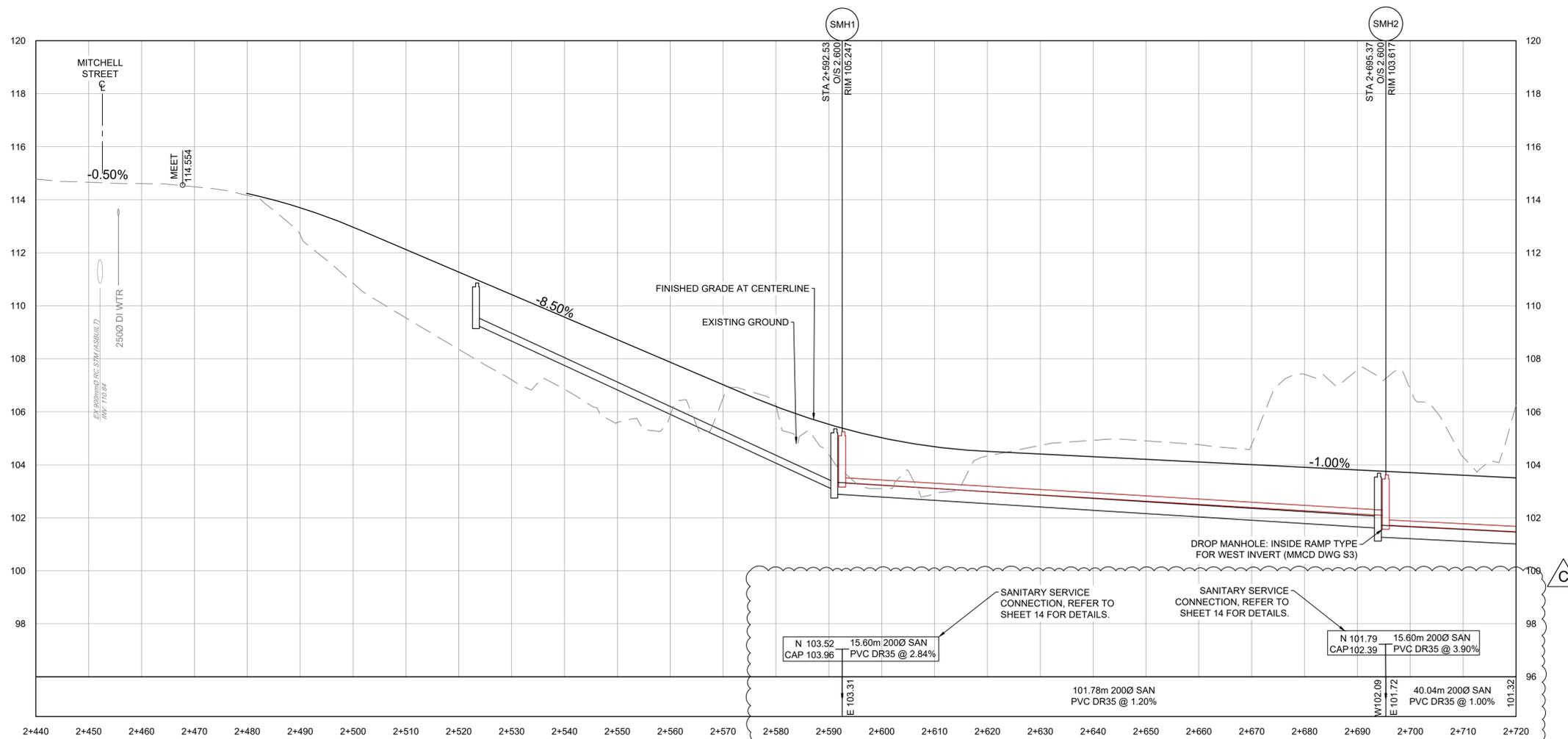
- REFER TO DRAWING 1 FOR GENERAL NOTES
- ELEVATIONS ARE RELATIVE TO CVD28GVRD. HORIZONTAL COORDINATES ARE IN UTM ZONE 10 GROUND COORDINATES.
- MANHOLE RIM ELEVATIONS ARE RELATIVE TO PRINCETON AVENUE FUTURE FINISHED GROUND ELEVATION. PRINCETON AVENUE STORM/SANITARY MANHOLES TO BE INSTALLED WITHOUT FRAME AND COVER AND HAVE STEEL PLATE INSTALLED ON TOP OF BARREL. LOCATION OF MANHOLE TO BE SURVEYED PRIOR TO GRADING BACKFILL OVER STEEL PLATES.

ROAD CLASSIFICATIONS:

- MUNICIPAL ARTERIAL: DAVID AVENUE
- STANDARD COLLECTOR: MITCHELL STREET
- COMMUNITY COLLECTOR: BURKE VILLAGE PROMENADE, PRINCETON AVENUE
- DESIGN SPEED 30km/h
- FOR DETAILS REFER TO SHEET 02
- FOR ROAD AND WATER REFER TO SHEET 04 THRU 07
- FOR STORM REFER TO SHEET 08 THRU 10
- FOR SANITARY REFER TO SHEET 11 THRU 13
- FOR PRINCETON SERVICES REFER TO SHEET 14
- FOR ESC REFER TO SHEET 15 THRU 16
- FOR CROSS-SECTIONS REFER TO SHEET 17 THRU 22

SANITARY MANHOLE TABLE

MH No.	RIM EL.	PIPE INV.	LOCATION	TYPE
SMH1	RIM = 105.25	N In 103.52 E Out 103.31	NORTHING: 5462481.378 EASTING: 519435.297	1,050 DIA MH AS PER MMCD S1
SMH2	RIM = 103.62	W In 102.09 E Out 101.72 N In 101.79	NORTHING: 5462517.578 EASTING: 519531.547	1,050mm MH AS PER MMCD S1



KEY PLAN **32176**

PLOT DATE: March 3, 2026

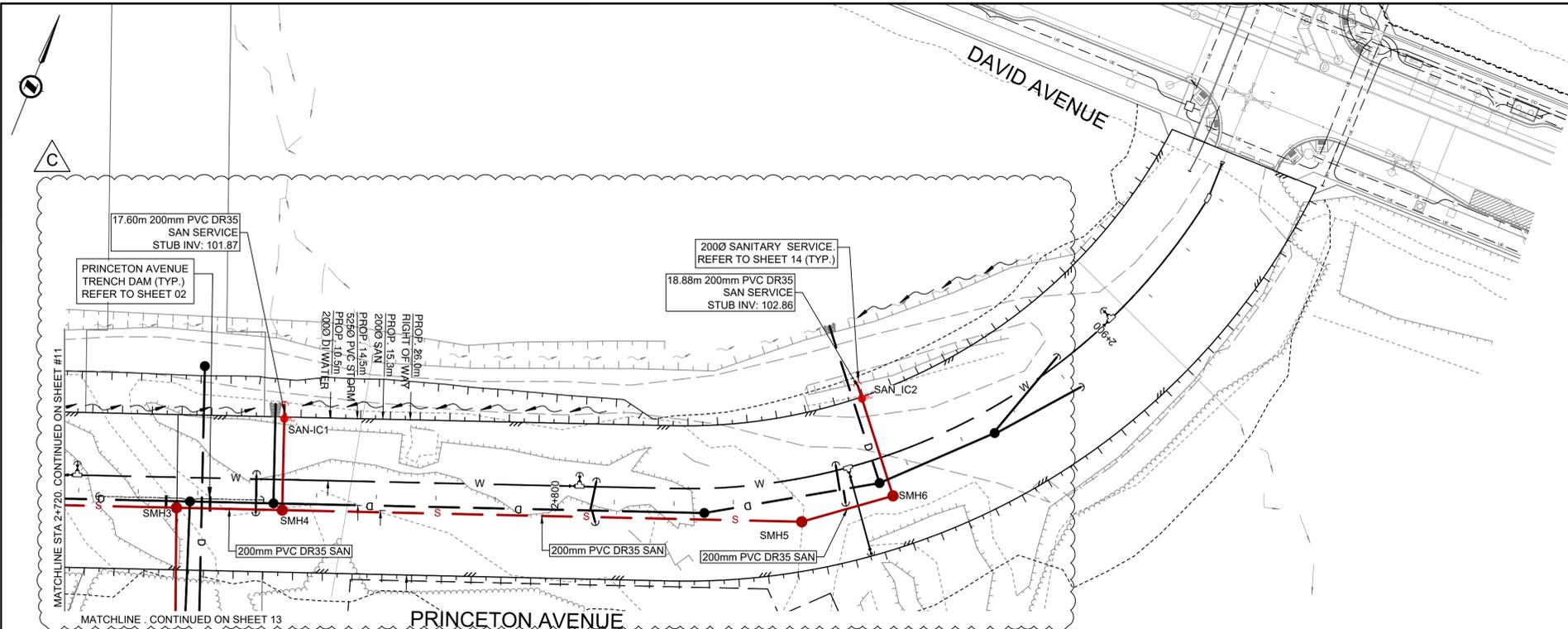
REV NO	REVISIONS	DATE	DRAWN	APPRD
A	ISSUED FOR TENDER - DRAFT	2026-01-29 PM	CJB	
B	ISSUED FOR TENDER	2026-02-12 PM	CJB	
C	ISSUED FOR ADDENDUM #1	2026-03-03 PM	CJB	



**SANITARY SEWER**  
**PRINCETON AVENUE**  
(STA. 2+480 TO 2+720)



SCALE	DATE	DWG. NO.
1:500H 1:100V	OCT 18, 2019	11
DRAWN BY PM	DESIGN BY PM	OF 22
CHECKED BY CJB	APPROVED BY CJB	REV. C



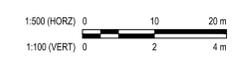
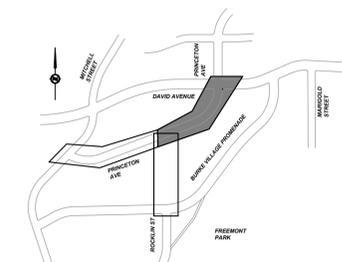
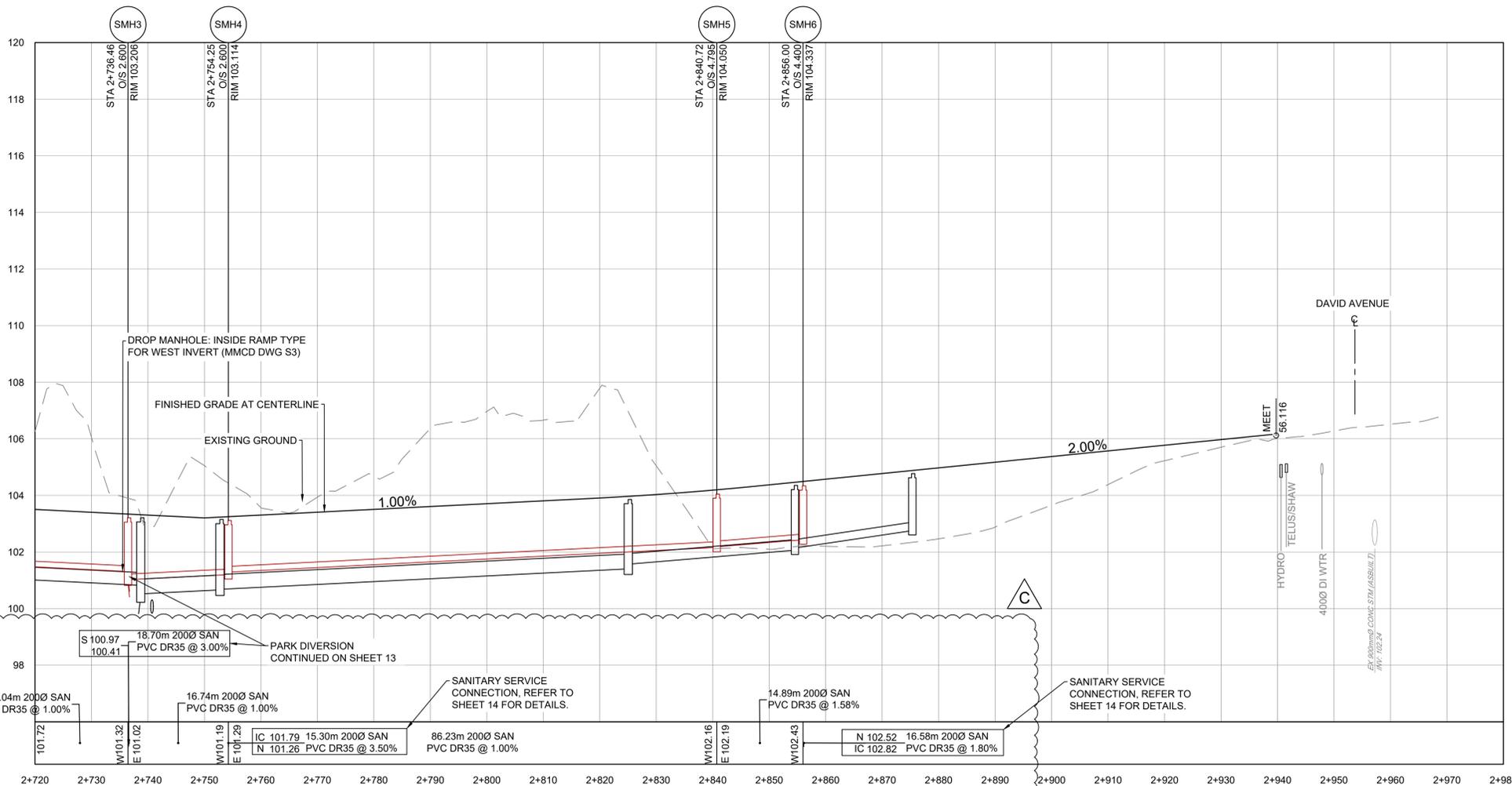
NOTES:

- REFER TO DRAWING 1 FOR GENERAL NOTES
- ELEVATIONS ARE RELATIVE TO CVD28GVRD. HORIZONTAL COORDINATES ARE IN UTM ZONE 10 GROUND COORDINATES.
- MANHOLE RIM ELEVATIONS ARE RELATIVE TO PRINCETON AVENUE FUTURE FINISHED GROUND ELEVATION. PRINCETON AVENUE STORM/SANITARY MANHOLES TO BE INSTALLED WITHOUT FRAME AND COVER AND HAVE STEEL PLATE INSTALLED ON TOP OF BARREL. LOCATION OF MANHOLE TO BE SURVEYED PRIOR TO GRADING BACKFILL OVER STEEL PLATES.

ROAD CLASSIFICATIONS:

MUNICIPAL ARTERIAL: DAVID AVENUE
STANDARD COLLECTOR: MITCHELL STREET
COMMUNITY COLLECTOR: BURKE VILLAGE PROMENADE, PRINCETON AVENUE
DESIGN SPEED 30km/h
FOR DETAILS REFER TO SHEET 02
FOR ROAD AND WATER REFER TO SHEET 04 THRU 07
FOR STORM REFER TO SHEET 08 THRU 10
FOR SANITARY REFER TO SHEET 11 THRU 13
FOR PRINCETON SERVICES REFER TO SHEET 14
FOR ESC REFER TO SHEET 15 THRU 16
FOR CROSS-SECTIONS REFER TO SHEET 17 THRU 22

SANITARY MANHOLE TABLE				
MH No.	RIM EL.	PIPE INV.	LOCATION	TYPE
SMH3	RIM = 103.21	W In 101.32 E Out 101.02 S Out 100.97	NORTHING: 5462532.045 EASTING: 519570.011	1,050 DIA MH AS PER MMCD S1
SMH4	RIM = 103.11	W In 101.19 E Out 101.29 N In 101.26	NORTHING: 5462538.308 EASTING: 519586.663	1,050mm MH AS PER MMCD S1
SMH5	RIM = 104.05	W In 102.16 NE Out 102.19	NORTHING: 5462569.034 EASTING: 519668.357	1,050 DIA MH AS PER MMCD S1
SMH6	RIM = 104.34	SW In 102.43 NW In 102.52	NORTHING: 5462578.774 EASTING: 519680.971	1,050 DIA MH AS PER MMCD S1



KEY PLAN  
**32176**

REV NO	REVISIONS	DATE	DRAWN	APPRD
A	ISSUED FOR TENDER - DRAFT	2026-01-29 PM	CJB	
B	ISSUED FOR TENDER	2026-02-12 PM	CJB	
C	ISSUED FOR ADDENDUM #1	2026-03-03 PM	CJB	

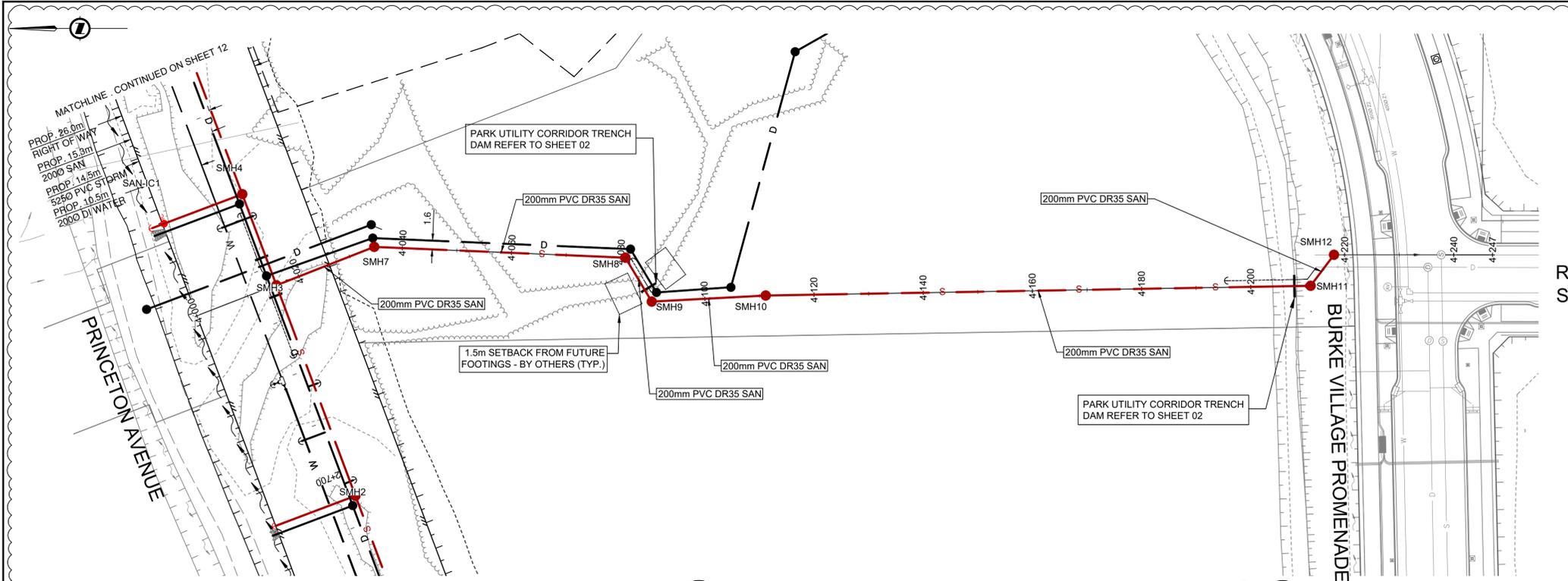
**Coquitlam**  
Engineering & Public Works  
3000 Guildford Way, Coquitlam, B.C. V3B 7N2

**SANITARY SEWER**  
**PRINCETON AVENUE**  
(STA. 2+720 TO 2+940)

**ISL Engineering and Land Services**  
#201 - 3993 Haining Drive, Burnaby, BC, V5C 6P9  
T: (604)629-3036 F: (604)629-2926

SCALE		DATE		DWG. NO.
DRAWN BY	1:500H 1:100V	DATE	OCT 18, 2019	12 OF 22
CHECKED BY	PM	DESIGN BY	PM	
	CJB	APPROVED BY	CJB	

REV. C



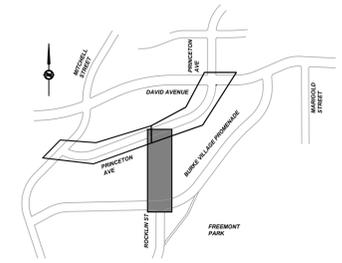
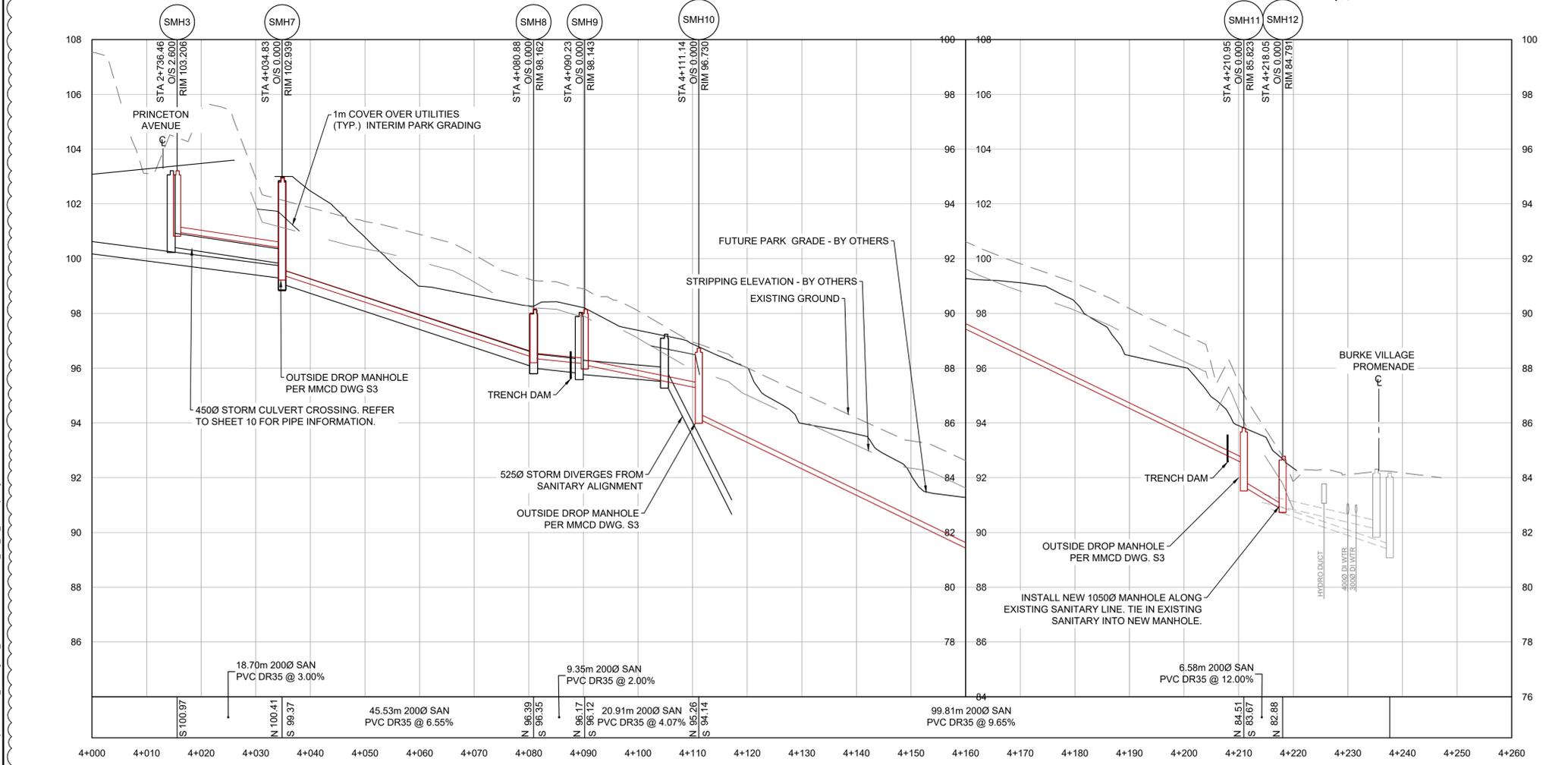
NOTES:

- REFER TO DRAWING 1 FOR GENERAL NOTES
- ELEVATIONS ARE RELATIVE TO CVD28GVRD. HORIZONTAL COORDINATES ARE IN UTM ZONE 10 GROUND COORDINATES. MANHOLE RIM ELEVATIONS ARE RELATIVE TO PRINCETON AVENUE FUTURE FINISHED GROUND ELEVATION. PRINCETON AVENUE STORM/SANITARY MANHOLES TO BE INSTALLED WITHOUT FRAME AND COVER AND HAVE STEEL PLATE INSTALLED ON TOP OF BARREL. LOCATION OF MANHOLE TO BE SURVEYED PRIOR TO GRADING BACKFILL OVER STEEL PLATES.

ROAD CLASSIFICATIONS:

- MUNICIPAL ARTERIAL: DAVID AVENUE
- STANDARD COLLECTOR: MITCHELL STREET
- COMMUNITY COLLECTOR: BURKE VILLAGE PROMENADE, PRINCETON AVENUE
- DESIGN SPEED 30km/h
- FOR DETAILS REFER TO SHEET 02
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- FOR STORM REFER TO SHEET 08 THRU 10
- FOR SANITARY REFER TO SHEET 11 THRU 13
- FOR PRINCETON SERVICES REFER TO SHEET 14
- FOR ESC REFER TO SHEET 15 THRU 16
- FOR CROSS-SECTIONS REFER TO SHEET 17 THRU 22

SANITARY MANHOLE TABLE				
MH No.	RIM EL.	PIPE INV.	LOCATION	TYPE
SMH3	RIM = 103.21	W In 101.32 E Out 101.02 S Out 100.97	NORTHING: 5462532.045 EASTING: 519570.011	1,050 DIA MH AS PER MMCD S1
SMH7	RIM = 102.94	S Out 99.37 N In 100.41	NORTHING: 5462514.143 EASTING: 519577.031	1,050 DIA MH AS PER MMCD S1
SMH8	RIM = 98.16	N In 96.39 SW Out 96.35	NORTHING: 5462468.134 EASTING: 519575.056	1,050 DIA MH AS PER MMCD S1
SMH9	RIM = 98.14	NE In 96.17 S Out 96.12	NORTHING: 5462463.318 EASTING: 519567.037	1,050 DIA MH AS PER MMCD S1
SMH10	RIM = 96.73	N In 95.26 S Out 94.14	NORTHING: 5462442.440 EASTING: 519568.147	1,050 DIA MH AS PER MMCD S1
SMH11	RIM = 85.82	SE Out 83.67 N In 84.51	NORTHING: 5462342.646 EASTING: 519569.917	1,050 DIA MH AS PER MMCD S1
SMH12	RIM = 84.79	NW In 82.88	NORTHING: 5462338.366 EASTING: 519575.584	1,050 DIA MH AS PER MMCD S1



PLOT DATE: March 3, 2026

REV NO	REVISIONS	DATE	DRAWN	APPRD
A	ISSUED FOR TENDER - DRAFT	2026-01-23	PM	CJB
B	ISSUED FOR TENDER	2026-02-12	PM	CJB
C	ISSUED FOR ADDENDUM #1	2026-03-03	PM	CJB



# SANITARY SEWER PRINCETON AVENUE (BURKE VILLAGE PROMENADE TO PRINCETON AVE.)



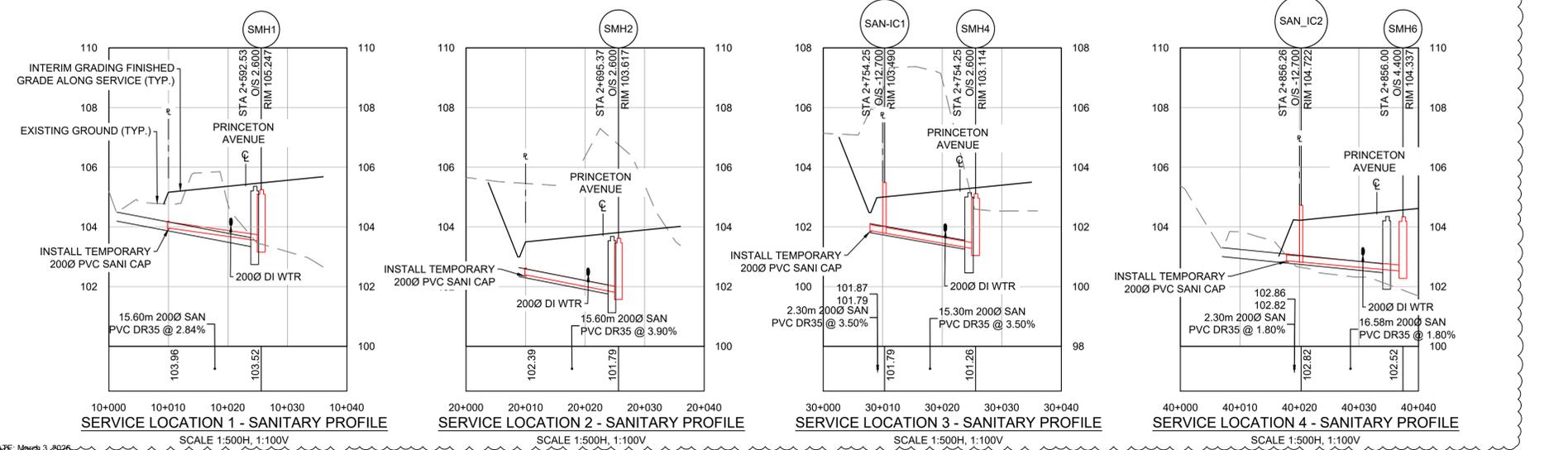
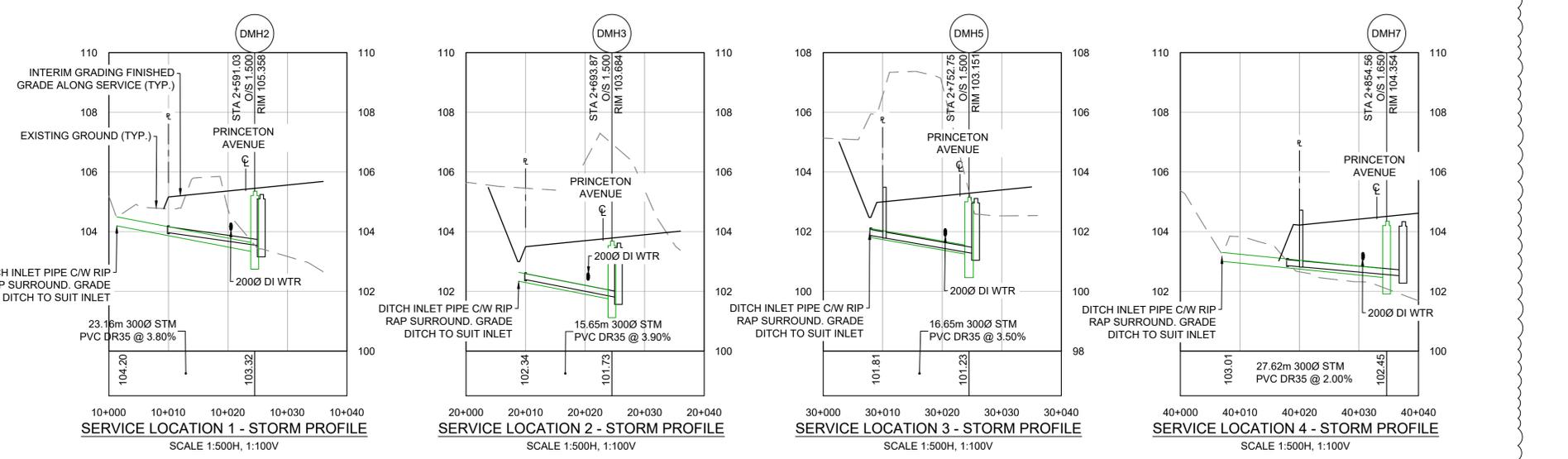
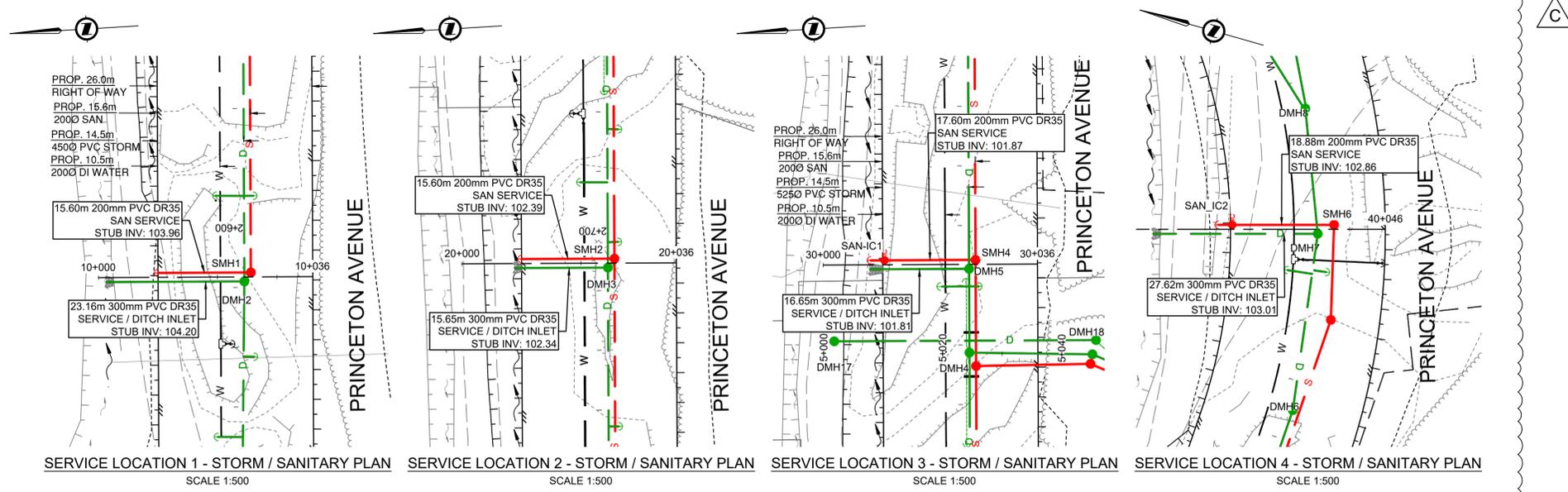
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DRAWN BY	PM	DESIGN BY	PM	OF	22
CHECKED BY	CJB	APPROVED BY	CJB	REV	C

IFT DESIGN NO. **32176**

NOTES:

1. REFER TO DRAWING 1 FOR GENERAL NOTES
2. ELEVATIONS ARE RELATIVE TO CVD28GVRD. HORIZONTAL COORDINATES ARE IN UTM ZONE 10 GROUND COORDINATES.
3. MANHOLE RIM ELEVATIONS ARE RELATIVE TO PRINCETON AVENUE FUTURE FINISHED GROUND ELEVATION. PRINCETON AVENUE STORM/SANITARY MANHOLES TO BE INSTALLED WITHOUT FRAME AND COVER AND HAVE STEEL PLATE INSTALLED ON TOP OF BARREL. LOCATION OF MANHOLE TO BE SURVEYED PRIOR TO GRADING BACKFILL OVER STEEL PLATES.
4. CATCH BASIN LEADS TO BE CAPPED. LOCATIONS OF CAPS TO BE SURVEYED PRIOR TO BACKFILL.

<b>ROAD CLASSIFICATIONS:</b>
MUNICIPAL ARTERIAL: DAVID AVENUE
STANDARD COLLECTOR: MITCHELL STREET
COMMUNITY COLLECTOR: BURKE VILLAGE PROMENADE, PRINCETON AVENUE
DESIGN SPEED 30km/h
FOR DETAILS REFER TO SHEET 02
FOR ROAD AND WATER REFER TO SHEET 04 THRU 07
FOR STORM REFER TO SHEET 08 THRU 10
FOR SANITARY REFER TO SHEET 11 THRU 13
FOR PRINCETON SERVICES REFER TO SHEET 14
FOR ESC REFER TO SHEET 15 THRU 16
FOR CROSS-SECTIONS REFER TO SHEET 17 THRU 22



IFT DESIGN NO.

**32176**

File: C:\ASR\CA\CD\Drawings\32176\Production\Sheet\32176\_SH\_03\_Storm.dwg

REV NO	REVISIONS	DATE	DRAWN	APPRD
A	ISSUED FOR TENDER - DRAFT	2026-01-29 PM	CJB	
B	ISSUED FOR TENDER	2026-02-12 PM	CJB	
C	ISSUED FOR ADDENDUM #1	2026-03-03 PM	CJB	

**Coquitlam**  
Engineering & Public Works  
3000 Guildford Way, Coquitlam, B.C. V3B 7N2

**STORM SEWER**

**PRINCETON AVENUE SERVICE CONNECTIONS**

**ISL Engineering and Land Services**  
#201 - 3969 Hainway Drive, Burnaby, BC V5C0P9  
T: (604)629-3096 F: (604)629-3098

SCALE	SCALE	DATE	DATE	DWG. NO.
DRAWN BY	PM	DESIGN BY	PM	14 OF 22
CHECKED BY	CJB	APPROVED BY	CJB	REV. C