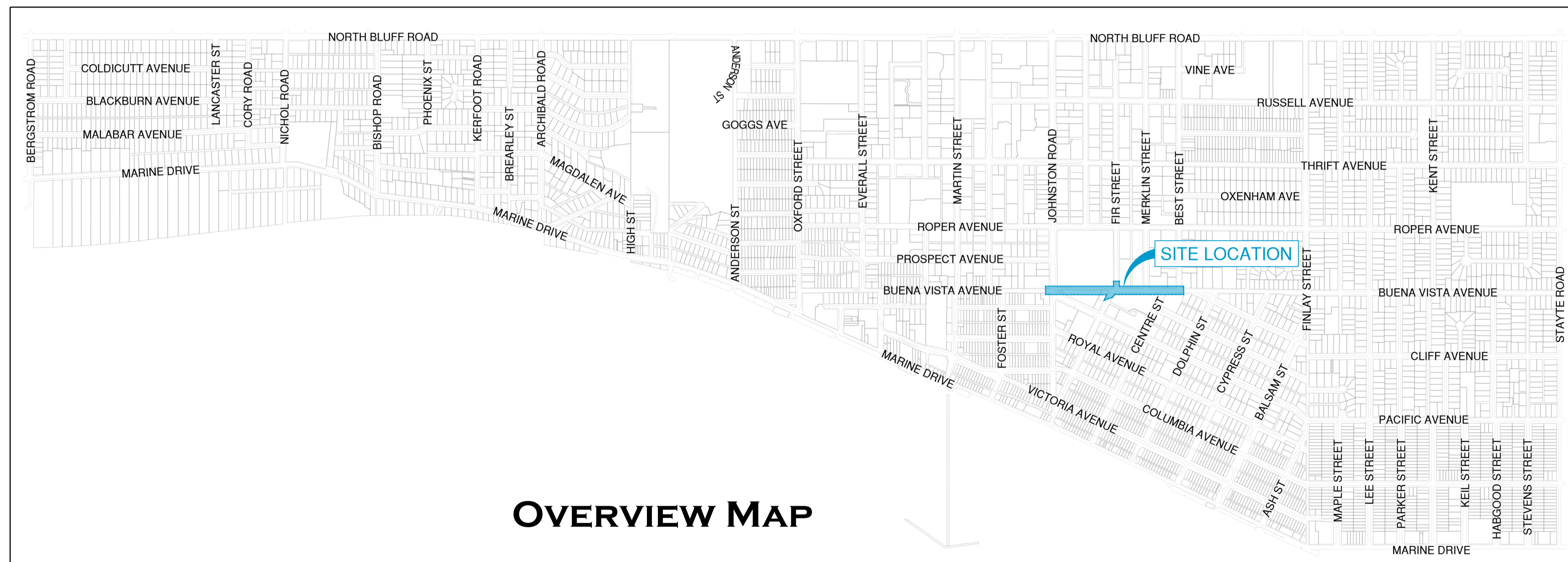


CITY OF WHITE ROCK  
 877 KEIL STREET, WHITE ROCK, BC, V4B 4V6

# BUENA VISTA AVENUE BIKE PATH

## JOHNSTON ROAD TO BEST STREET

### PRELIMINARY DESIGN



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 TEL 604 574 3336  
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**GENERAL NOTES:**

ALL WORK MUST BE IN ACCORDANCE WITH THE SPECIFICATIONS AND STANDARD DETAIL DRAWINGS OF THE LATEST EDITION OF THE MASTER MUNICIPAL CONSTRUCTION DOCUMENTS (MMCD), AND THE CITY OF WHITE ROCK REQUIREMENTS. WHERE THERE IS A CONFLICT BETWEEN STANDARDS, AND WHERE NO SPECIFIC REFERENCE HAS BEEN MADE ON THE PLANS OR SPECIFICATIONS, THE MORE STRINGENT STANDARD SHALL GOVERN. THE CONTRACTOR SHALL CONTACT THE CONTRACT ADMINISTRATOR FOR ANY CLARIFICATIONS REQUIRED.

- 1. THE CONTRACTOR SHALL NOTIFY THE ENGINEER AT LEAST 2 BUSINESS DAYS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION AND VERIFY THAT THE CONTRACTOR'S DRAWINGS ARE THE LATEST REVISIONS ISSUED FOR CONSTRUCTION. ANY REVISIONS TO ISSUED FOR CONSTRUCTION DRAWINGS MUST BE APPROVED BY THE ENGINEER.
- 2. THE CONTRACTOR SHALL ENSURE THAT ALL APPROVALS AND/OR PERMITS REQUIRED FOR THE PROPOSED WORK HAVE BEEN OBTAINED PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION. THE CONTRACTOR SHALL CHECK WITH BC HYDRO, TELUS, SHAW, FORTIS BC, METRO VANCOUVER OR ANY OTHER APPLICABLE THIRD-PARTY UTILITY AGENCY PRIOR TO COMMENCING WORK FOR VERIFICATION OF LOCATION AND INVERTS OF ALL UTILITIES.
- 3. ALL MATERIALS TESTING MUST BE CONDUCTED IN ACCORDANCE WITH MMCD AND AS SPECIFIED, WHERE APPLICABLE. TESTING SHALL BE CARRIED OUT BY A QUALIFIED MATERIALS TESTING FIRM AND PAID FOR BY THE CONTRACTOR. THE CONTRACTOR SHALL PROVIDE COPIES OF ALL TEST RESULTS TO THE ENGINEER NO LATER THAN 3 BUSINESS DAYS AFTER ANY TEST CONDUCTED. ANY MATERIAL SUBSTITUTION MUST BE APPROVED BY THE CONTRACT ADMINISTRATOR.
- 4. WORKSAFE BC SHALL BE NOTIFIED PRIOR TO THE START OF CONSTRUCTION.
- 5. THE CONTRACTOR SHALL REPAIR OF ANY DAMAGE CAUSED TO EXISTING STREET OR SERVICES BY CONSTRUCTION EQUIPMENT AND/OR TRUCKS HAULING MATERIAL TO THE SITE, OR AS A RESULT OF CONSTRUCTION ACTIVITIES SUCH AS DAILY CLEANING OR SWEEPING EXISTING ROADS OF DIRT AND DEBRIS CAUSED. SUCH REPAIR SHALL BE TO THE SATISFACTION OF THE CONTRACT ADMINISTRATOR.
- 6. THE CONTRACTOR SHALL AND MUST VERIFY THE LOCATIONS, INVERTS, AND SIZES OF ALL EXISTING SERVICES, INCLUDING THE TIE-IN POINTS, PRIOR TO THE COMMENCEMENT OF CONSTRUCTION AND SHALL NOTIFY THE ENGINEER OR CONTRACT ADMINISTRATOR OF ANY DISCREPANCIES, CONFLICTS OR OMISSIONS.
- 7. OPEN TRENCH OPERATIONS IN EXISTING PAVEMENT SHALL BE VERTICAL, AND PAVEMENT SHALL BE RESTORED WITH HOT-MIX ASPHALT AFTER BACKFILL AND COMPACTION WITHIN 48 HOURS OF TRENCH WORK. TRENCH RESTORATION WITH COLD-MIX ASPHALT SHALL NOT BE ACCEPTED. NO TRENCHES IN EXISTING ROADWAYS SHALL BE LEFT UNCOVERED OVERNIGHT WITHOUT APPROVAL OF THE CITY OF WHITE ROCK AND FULFILLMENT OF ANY CONDITIONS OF THAT APPROVAL.
- 8. ALL PAVEMENTS, BOULEVARDS, ETC. SHALL BE RESTORED TO ORIGINAL CONDITIONS OR BETTER WHERE NO IMPROVEMENT IS PROPOSED UNDER THIS CONTRACT.
- 9. THE CONTRACTOR SHALL USE EXTREME CARE WHEN WORKING NEAR EXISTING SERVICES, AND ANY SERVICES DISTURBED SHALL BE REPLACED TO THE SATISFACTION OF THE CITY OF WHITE ROCK OR OTHER APPROVING AGENCIES.
- 10. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL LOCATE AND EXPOSE ALL EXISTING SANITARY, STORM SEWERS, SERVICE CONNECTIONS, WATERMAIN, GAS MAIN, UNDERGROUND ELECTRICAL AND/OR TELEPHONE DUCTING, STREET LIGHTING AND ALL OTHER EXISTING UNDERGROUND UTILITIES AT ALL TIE-IN LOCATIONS AND ALL LOCATIONS WHERE THEY MAY CROSS OR COME INTO CLOSE PROXIMITY WITH THE PROPOSED WORKS. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY CONFLICTS OR DISCREPANCIES PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
- 11. JUNCTION BOXES, VALVE COVERS, MANHOLE FRAMES AND COVERS WITHIN THE PAVED ROADWAY SHALL BE LEFT LOW AT THE BASE LEVEL AT TIME THE BASE COURSE (BOTTOM LIFT) OF ASPHALT IS INSTALLED AND RAISED JUST PRIOR TO THE TOP COURSE (FINAL LIFT) OF PAVING.
- 12. SIGNS IN CONCRETE AREAS SHALL BE INSTALLED USING ROUND SIGN POST SLEEVE. ALL OTHER SIGNS (e.g., SIGNS WITHIN BOULEVARD) SHALL BE INSTALLED USING TRAPEZOIDAL BASES.
- 13. THE LOCATIONS OF EXISTING UNDERGROUND SERVICES, IF SHOWN, HAVE BEEN OBTAINED THROUGH MUNICIPAL AND/OR AGENCY RECORD INFORMATION, AND THE ENGINEER CANNOT BE HELD RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF THIS INFORMATION.

**ROADWORKS NOTES:**

- 1. CHANGES OF GRADE AND DIRECTION SHALL BE FORMED BY SMOOTH VERTICAL AND HORIZONTAL CURVES.
- 2. EARTHWORKS, INCLUDING STRIPPING ALL LOOSE OR OTHERWISE

DELETERIOUS MATERIALS OR SOFT SPOTS, COMPACTING, AND SLOPE GRADING SHALL BE COMPLETED AS PER CONTRACT DOCUMENTS.

- 3. EMBANKMENTS SHALL BE PLACED, SHAPED, COMPACTED, AND PROTECTED TO STANDARDS AND SPECIFICATIONS AS REQUIRED IN THE CONTRACT DOCUMENTS.
- 4. WHERE INFILLING OF EXISTING DITCHES ETC. IS REQUIRED, AND WHERE SERVICES ARE CONSTRUCTED IN FILL SECTION, FILL MATERIAL SHALL BE GRANULAR MATERIAL, SUPPLIED, PLACED AND COMPACTED AS PER MMCD SPECIFICATION.
- 5. ALL SUB-BASE ROAD AND GRANULAR BASE MATERIALS SHALL CONFORM TO MMCD SPECIFICATION.
- 6. THE ROAD SUB-BASE AND BASE SHALL EXTEND A MINIMUM OF 0.3 METERS BEYOND ROAD EDGE OR CURB AND GUTTER.
- 7. THE CONDITIONS FOR PLACING ASPHALT PAVEMENT AND CONCRETE SHALL CONFORM WITH THE SPECIFICATIONS DETAILED UNDER THE MMCD AND CITY OF WHITE ROCK SUPPLEMENTARY SPECIFICATIONS AND DETAIL DRAWINGS, IF APPLICABLE.
- 8. BENKELMAN BEAM TESTING OF THE ROAD BASE IS REQUIRED PRIOR TO PAVING.
- 9. UNLESS OTHERWISE APPROVED BY THE CONTRACT ADMINISTRATOR, ASPHALTIC CONCRETE FOR ROADWORK SHALL BE PLACED AND COMPACTED TO THE SPECIFIED DENSITIES IN 2 SEPARATE LIFTS.
- 10. TIE-INS TO EXISTING PAVEMENT SHALL BE MADE BY CUTTING BACK THE EXISTING PAVEMENT TO SOUND MATERIAL AS NECESSARY TO PRODUCE A NEAT VERTICAL FACE. PRIOR TO PLACING ASPHALTIC CONCRETE, EXPOSED PAVEMENT FACES AND OTHER ABUTTING STRUCTURES SHALL BE TACK COATED WITH ASPHALT EMULSION.
- 11. ALL NEW PAVEMENT SHALL BE GRADED SUCH THAT NO PONDING FORMS. THE MINIMUM CROSS SLOPE ON ANY NEW OR OVERLAIN ROAD SURFACE SHALL BE 2%.
- 12. ALL VALVES BOXES, MANHOLES, ETC., THAT ARE WITHIN THE PAVED SURFACE OF THE ROADWAY SHALL BE ADJUSTED TO FINISHED COURSE ELEVATION PRIOR TO FINISH COURSE PAVING.

**SANITARY AND STORM SEWER NOTES:**

- 1. THE CONTRACTOR SHALL ADJUST ALL MANHOLES, CLEANOUTS, VALVE COVERS, JUNCTION BOXES, INSPECTION CHAMBERS, AND OTHER UTILITY COVERS WITHIN PROPOSED WORKS TO SUIT PROPOSED FINISH GRADES. ALL MANHOLE LIDS, CLEAN-OUT COVERS, CATCH/LAWN BASIN GRATES AND THE SURFACE LIDS OF ANY OTHER UTILITY STRUCTURES SHALL BE INSTALLED TO SUIT PROPOSED FINISHED GRADES.
- 2. THE CONTRACTOR SHALL REFER TO CONTRACT DRAWINGS FOR TYPICAL TRENCH DETAIL AND PAVEMENT RESTORATION.
- 3. UNLESS NOTED OTHERWISE ON THE DRAWINGS, THE CONTRACTOR SHALL REMOVE AND REPLACE EXISTING SANITARY AND STORM SEWER SYSTEM AS NOTED.
- 4. ALL SANITARY AND STORM SEWER MATERIALS SHALL CONFORM TO THE MMCD SPECIFICATIONS.
- 5. ALL PIPES (MAIN SEWER AND SERVICE CONNECTIONS) SHALL BE INSTALLED WITH GASKET JOINTS.
- 6. ALL PIPE SIZES SHOWN OR SPECIFIED REFER TO MINIMUM INSIDE DIAMETER DIMENSIONS.
- 7. ALL MANHOLES SHALL BE AS PER MMCD STANDARD DRAWING NO. S2 AND SIZED AS PER MMCD STANDARD DRAWING NO. S1, UNLESS SPECIFIED OTHERWISE.
- 8. THE CONTRACTOR SHALL ESTABLISH LOCATIONS, ELEVATIONS AND ALIGNMENTS OF ALL EXISTING SANITARY AND DRAINAGE SERVICES PRIOR TO CONSTRUCTION TO FACILITATE TIE-INS. ANY DISCREPANCIES WITH THE INFORMATION SHOWN THAT MAY ALTER THE DESIGN SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER OR CONTRACT ADMINISTRATOR.
- 9. ALL SANITARY AND STORM SEWER MAIN DEFLECTIONS SHALL CONFORM TO THE MANUFACTURER'S SPECIFICATIONS.
- 10. ALL WYES SHALL BE MANUFACTURED.
- 11. THE CONTRACTOR SHALL FLUSH ALL NEW SANITARY AND STORM LINES PRIOR TO TIE-IN PROCEDURES. TESTS SHALL BE PERFORMED AS PER MMCD SPECIFICATIONS. THE CONTRACTOR SHALL PROVIDE THE CONTRACT ADMINISTRATOR WITH THE TEST RESULTS.

12. THE CONTRACTOR SHALL PROVIDE A VIDEO INSPECTION REPORT FOR ALL NEW MAINLINE SANITARY AND STORM SEWERS. THE VIDEO INSPECTION MUST BE PERFORMED BY A "PAC" CERTIFIED OPERATOR AND APPROVED BY THE CONTRACT ADMINISTRATOR.

13. THE CONTRACTOR SHALL PROVIDE TEMPORARY PUMP OR DISPOSAL OF EXISTING SEWAGE FLOWS DURING CONSTRUCTION PERIOD. THIS OPERATION SHALL BE CONSIDERED INCIDENTAL TO THE WORK HEREIN.

14. THE CONTRACTOR SHALL EXPOSE AND VERIFY ALL UTILITY CROSSINGS AND/OR TIE-IN LOCATIONS AND NOTIFY THE CONTRACT ADMINISTRATOR OF ANY DISCREPANCIES OR CONFLICTS PRIOR TO CONSTRUCTION. GAS MAIN AND HYDRANT LEAD CROSSINGS MAY REQUIRE RE-GRADING.

15. ALL CATCH BASINS SHALL BE AS PER MMCD STANDARD DRAWING NO. S11. ALL CATCH BASINS LEADS SHALL BE 200mm DIAMETER PVC SDR 35 PIPE, UNLESS SPECIFIED OTHERWISE. ALL CATCH BASIN GRATES SHALL BE DOBNEY B26-B FOR FRAMES IN CENTRE OF THE ROAD AND DOBNEY B23 OR 24 FOR FRAMES NEXT TO CURBS. ALL CATCH BASIN SHALL BE EQUIPPED WITH APPROVED TRAPPING HOODS. BENDS SHALL NOT BE PERMITTED IN PLACE OF TRAPPING HOODS.

16. ALL LAWN BASINS SHALL BE AS PER MMCD STANDARD DRAWING NO. S12. EXCEPT CONCRETE BARREL TO BE 450mm DIAMETER. LAWN BASIN LEADS TO BE 100mm DIAMETER PVC SDR 35 OR 28 PIPE.

17. ALL MANHOLE LIDS, CLEANOUT COVERS, CATCH BASIN GRATES, LAWN BASIN GRATES AND THE LIDS OF ANY OTHER UTILITY STRUCTURES SHALL BE INSTALLED TO SUIT PROPOSED FINISHED GRADES.

**PAVEMENT MARKING NOTES:**

- 1. ALL PAVEMENT MARKINGS AND SIGNS SHALL BE AS PER THE CURRENT EDITION OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR CANADA (MUTCD).
- 2. ALL PAVEMENT MARKING LINES AND SYMBOLS SHALL BE THERMOPLASTIC.

**EROSION, SEDIMENT AND DUST CONTROL NOTES:**

- 1. THE CONTRACTOR SHALL ENSURE THAT SEDIMENT LADEN WATER DOES NOT ENTER EXISTING STORM SEWER, CREEKS OR WATERS BODIES.
- 2. STORM CATCH BASINS SHALL HAVE TEMPORARY FILTER FABRIC INSTALLED TO PROHIBIT ENTRANCE OF SEDIMENT INTO THE CITY STORM SEWERS DURING CONSTRUCTION. FILTER FABRIC SHALL BE MAINTAINED UNTIL ALL RESTORATION HAS BEEN COMPLETED AND REMOVED UPON THE COMPLETION OF CONSTRUCTION.
- 3. THE CONTRACTOR SHALL KEEP THE CITY ROADS CLEAN DURING CONSTRUCTION TO THE SATISFACTION OF CITY OF WHITE ROCK. IN THE EVENT THAT THE CITY OF WHITE ROCK SENDS OUT THEIR STREET SWEEPERS TO CLEAN A ROAD IMPACTED BY THE CONSTRUCTION AND NOT ADEQUATELY CLEANED BY THE CONTRACTOR, THE COSTS FOR SUCH STREET CLEANING SHALL BE CHARGED TO THE CONTRACTOR AND DEDUCTED FROM MONTHLY PAYMENT CERTIFICATES.
- 4. THE CONTRACTOR SHALL TAKE APPROPRIATE MEASURES TO KEEP THE DUST TO LEVELS ACCEPTABLE TO THE CITY OF WHITE ROCK AND SAFE TO THE PUBLIC.
- 5. THE COST OF ALL EROSION AND SEDIMENT CONTROL MEASURES, INCLUDING BUT NOT LIMITED TO MAINTENANCE, REMOVAL, STREET CLEANING AND DUST CONTROL, SHALL BE INCLUDED IN THE CONTRACTOR'S PRICE FOR THE WORK WITH NO ADDITIONAL COST TO THE CITY.

**RESTORATION NOTES:**

- 1. THE CONTRACTOR SHALL RESTORE AREAS DISTURBED BY CONSTRUCTION TO THE ORIGINAL CONDITION OR BETTER TO THE SATISFACTION OF THE ENGINEER (OR THE CONTRACT ADMINISTRATOR) AND THE CITY OF WHITE ROCK.
- 2. THE CONTRACTOR SHALL RESTORE EXISTING ASPHALT ACCORDING TO THE CONTRACT DRAWINGS.
- 3. ALL EXISTING GRASSED AREAS DISTURBED DURING CONSTRUCTION SHALL BE RESTORED WITH 150mm TOPSOIL AND SOD AND MAINTAINED UNTIL ESTABLISHED, UNLESS OTHERWISE NOTED ON CONTRACT DRAWINGS FOR A SPECIFIC AREA.
- 4. THE CONTRACTOR SHALL IDENTIFY ANY TREES TO BE REMOVED AND OBTAIN APPROVAL FROM THE CITY OF WHITE ROCK PRIOR TO CUTTING.
- 5. ALL RESTORATION WORK SHALL BE COMPLETED TO THE SATISFACTION OF THE CONTRACT ADMINISTRATOR AND THE CITY OF WHITE ROCK.

**RECORD DOCUMENTS - CONTRACTOR'S OBLIGATIONS:**

- 1. THE CONTRACTOR SHALL MAINTAIN A COMPLETE SET OF ALL CIVIL WORKS DRAWINGS MARKED UP WITH UPDATES OF CHANGES IN RED COLOUR ON A DAILY BASIS IN ORDER TO RECORD THE CONSTRUCTED LOCATION OF ALL UTILITIES AND SERVICES, ROAD WORKS AND ALL OTHER CIVIL WORKS.
- 2. THE CONTRACTOR SHALL MAKE THE MARKED-UP SET IN NOTE 1 UNDER 'RECORD DOCUMENTS - CONTRACTOR'S OBLIGATIONS' AVAILABLE ON SITE TO THE ENGINEER, CONTRACT ADMINISTRATOR OR OWNER FOR THEIR REVIEW AT ALL TIMES UPON REQUEST.
- 3. THE CONTRACTOR SHALL PROVIDE FIELD AS-BUILT SURVEY DURING THE COURSE OF CONSTRUCTION TO DOCUMENT AND RECORD HORIZONTAL AND VERTICAL INFORMATION ON ALL UNDERGROUND INSTALLATIONS OF MAIN, SERVICE CONNECTIONS, CHAMBERS, MANHOLES, APPURTENANCES, STRUCTURES, AND FURNISHINGS. THE CONTRACTOR SHALL, BY MEANS OF SURVEY, RECORD THE VERTICAL AND HORIZONTAL INFORMATION OF ALL UNDERGROUND UTILITIES AS THEY ARE INSTALLED. THE CONTRACTOR SHALL CONDUCT A RECORD DRAWING TOPOGRAPHICAL SURVEY AFTER CONSTRUCTION IS COMPLETE AND RECORD ALL SURFACE FEATURES AS-CONSTRUCTED.
- 4. UPON COMPLETION OF CONSTRUCTION, THE CONTRACTOR SHALL PROVIDE THE ENGINEER (R.F. BINNIE & ASSOCIATES LTD.) WITH THE FOLLOWING TWO ITEMS (4A AND 4B):
  - A. A SOFT OR HARD COPY OF FINAL MARKED-UP DRAWINGS SET CONTAINING A CLEAR RECORD OF ALL AND ANY CHANGES OR DEVIATIONS MADE DURING CONSTRUCTION FROM THE LATEST REVISION OF ISSUED FOR CONSTRUCTION DRAWINGS DESCRIBED ABOVE IN NOTE 1 UNDER 'RECORD DOCUMENTS - CONTRACTOR'S OBLIGATIONS'; AND
  - B. A DIGITAL COPY OF SURVEY FILE CONTAINING ALL AS-CONSTRUCTED FEATURES DESCRIBED ABOVE IN NOTE 3 UNDER 'RECORD DOCUMENTS - CONTRACTOR'S OBLIGATIONS'.

**LEGEND**

EXISTING	PROPOSED	DESCRIPTION	EXISTING	PROPOSED	DESCRIPTION
		IRON PROPERTY PIN			WATERMAIN
		BUILDING			WATER SERVICE CONNECTION
		EDGE OF PAVEMENT			WATER VALVE
		CURB & GUTTER			AIR VALVE
		TRUCK ROUTE			HYDRANT & VALVE ASSEMBLY
		SANITARY FORCE MAIN			YARD HYDRANT
		COMBINED SEWER			CAPPED END
		SANITARY SEWER			WATER METER
		SANITARY CONNECTION & INSPECTION CHAMBER			BLOW-OFF
		STORM SEWER			TELEPHONE U/G DUCTS & MANHOLE
		STORM CONNECTION & INSPECTION CHAMBER			STREET LIGHT U/G DUCTS & MANHOLE
		CATCH BASIN / LAWN BASIN LEAD			GASMAIN
		FRENCH DRAIN			TRAFFIC SIGNAL U/G DUCTS
		STORM SEWER & CLEANOUT			HYDRO U/G DUCTS
		CATCH BASIN - TOP INLET & SIDE INLET			CABLE TV U/G DUCTS
		LAWN DRAIN			ORNAMENTAL STREET LIGHT - DAVIT
		CATCH BASIN MANHOLE			ORNAMENTAL STREET LIGHT - POST TOP
		SWALE			UTILITY POLE
		DITCH			UTILITY POLE W/ LIGHT
		SIDEWALK (ASPHALT)			JUNCTION BOX
		SIDEWALK (CONCRETE)			GROUND ELEVATION
		RETAINING WALL			DIRECTION OF OVERLAND FLOW
		TOP OF SLOPE			
		BOTTOM OF SLOPE			

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No.	DATE	REVISION	BY



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TEL 604 574 3336  
BINNIE.com

CLIENT	<b>CITY OF WHITE ROCK</b> 877 KEIL STREET, WHITE ROCK, BC, V4B 4V6
DRAWING DESCRIPTION	<b>BUENA VISTA AVENUE BIKE PATH</b> <b>BUENA VISTA AVENUE: JOHNSTON ROAD TO BEST STREET</b> <b>GENERAL NOTES</b>

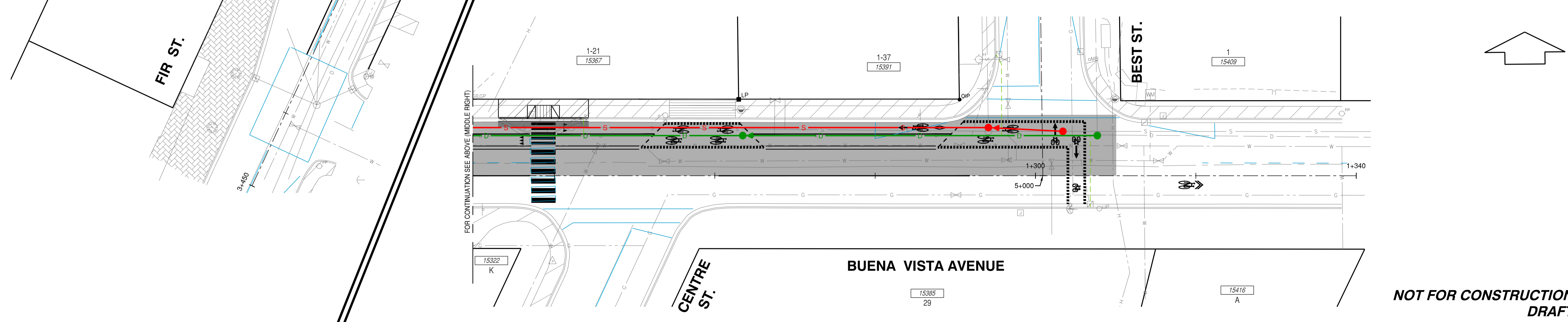
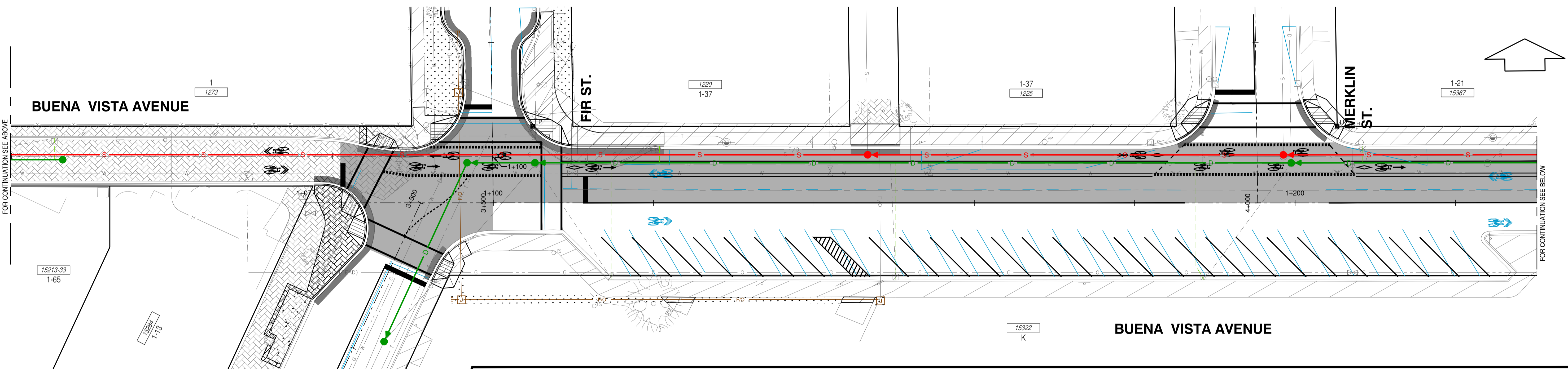
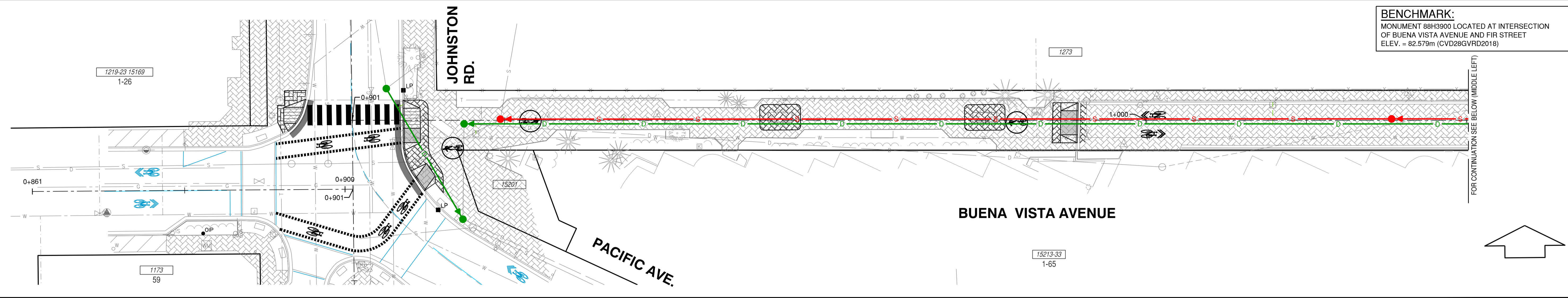
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DRAWN BY	KFB/SVD
DESIGNED BY	NM
CHECKED BY	RA
SCALES	AS SHOWN

DATE	2023-10-27
DRAWING No.	<b>23-0820-N1</b>
SHEET	01 OF 1 <sup>+</sup>
REV.	
DESTROY ALL PRINTS BEARING PREVIOUS No.	

EGB/C PERMIT No. 1001128

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**BENCHMARK:**  
 MONUMENT 88H3900 LOCATED AT INTERSECTION  
 OF BUENA VISTA AVENUE AND FIR STREET  
 ELEV. = 82.579m (CVD28GVRD2018)



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No.	DATE	REVISION	BY

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 The people behind your infrastructure.

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 Langley, BC V1M 4A6  
 TEL 604 574 3336  
 BINNIE.com

**CLIENT**  
 CITY OF WHITE ROCK  
 877 KEIL STREET, WHITE ROCK, BC, V4B 4V6

**DRAWING DESCRIPTION**  
 BUENA VISTA AVENUE BIKE PATH  
 BUENA VISTA AVENUE: JOHNSTON ROAD TO BEST STREET  
 KEY PLAN

**SURVEYED BY** SD  
**DRAWN BY** KFB/SVD  
**DESIGNED BY** NM  
**CHECKED BY** RA

**SCALES**  
 1:250 10m

EGBC PERMIT No. 1001128

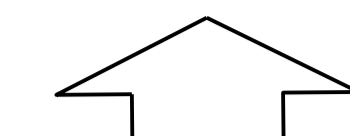
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**DRAWING No.**  
 23-0820-KP1

**SHEET** 02 **OF**      **REV.**

DESTROY ALL PRINTS BEARING PREVIOUS No. →

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 PLOT DEVICE: HP DesignJet T1100e  
 PLOT SCALE: 1:1  
 PLOT SHEET: 02 OF 02  
 PLOT DATE: 2024-01-30 16:00:20  
 PLOT BY: NMOJLAB

**BENCHMARK:**  
 MONUMENT 88H3900 LOCATED AT INTERSECTION  
 OF BUENA VISTA AVENUE AND FIR STREET  
 ELEV. = 82.579m (CVD28GVRD2018)



**CONSTRUCTION NOTES - ROADWORKS**

- AS NEEDED DURING CONSTRUCTION, TEMPORARILY REMOVE EXISTING SIGNS THAT WOULD BE IMPACTED BY CONSTRUCTION AND REINSTATE THEM AS DIRECTED BY THE CONTRACT ADMINISTRATOR.
- ADJUST COVERS/LIDS OF ALL EXISTING, UNABANDONED MANHOLES, WATER VALVES, GATE VALVES, VAULTS, AND JUNCTION BOXES TO SUIT FINISHED GRADES.
- WHERE SPECIFIED, REMOVE ALL ABANDONED CATCHBASINS AND FILL VOIDS WITH GRANULAR SUBBASE COMPACTED TO 95% MODIFIED PROCTOR DENSITY. CAP ABANDONED CONNECTIONS.
- UNLESS NOTED OTHERWISE, INSTALL NEW SINGLE CATCHBASIN LEADS AT MINIMUM 1.0% SLOPE USING 200mmØ PVC SDR35 PIPE.
- INSTALL SEDIMENT CONTROL DONUT (NILEX MEDIUM - PERMEABILITY 0.38 m<sup>3</sup>/s OR APPROVED EQUAL) ON ALL EX. CATCHBASINS THAT ARE RETAINED. INSPECT SEDIMENT TRAP EVERY TWO WEEKS OR AFTER EVERY MAJOR RAINFALL, WHICHEVER ARRIVES SOONER. EMPTY SILT SACK AND CLEAN IT OUT WHEN IT IS FULL OR IF ITS RESTRAINT CORD IS NOT VISIBLE.

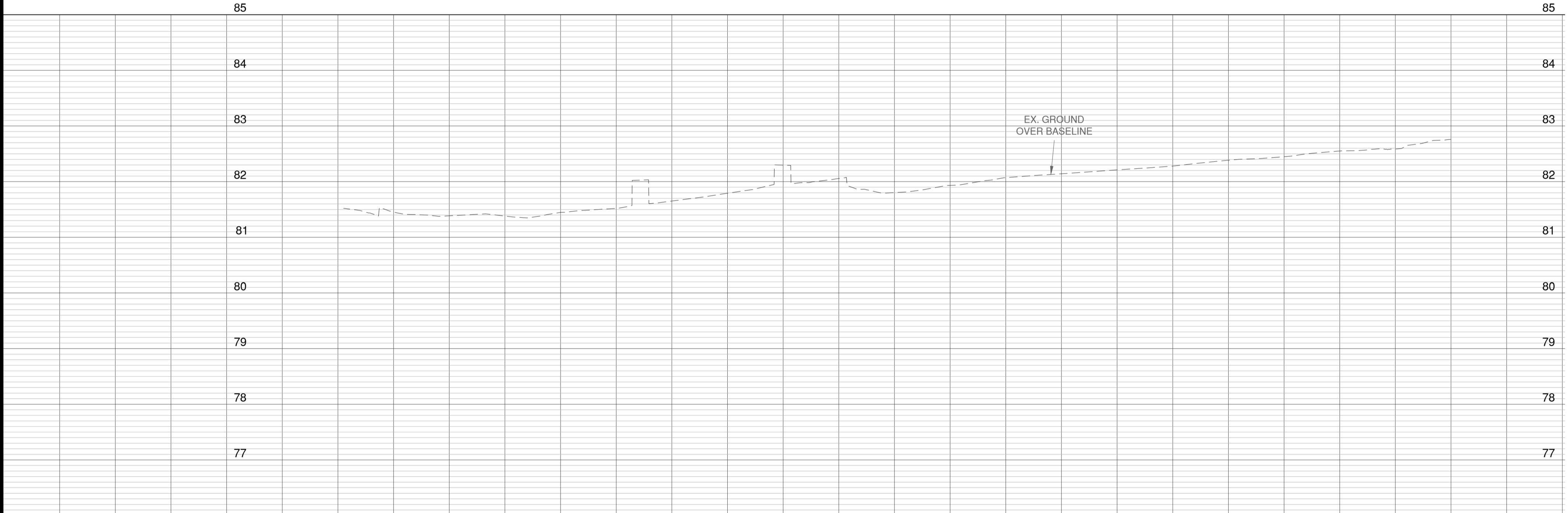
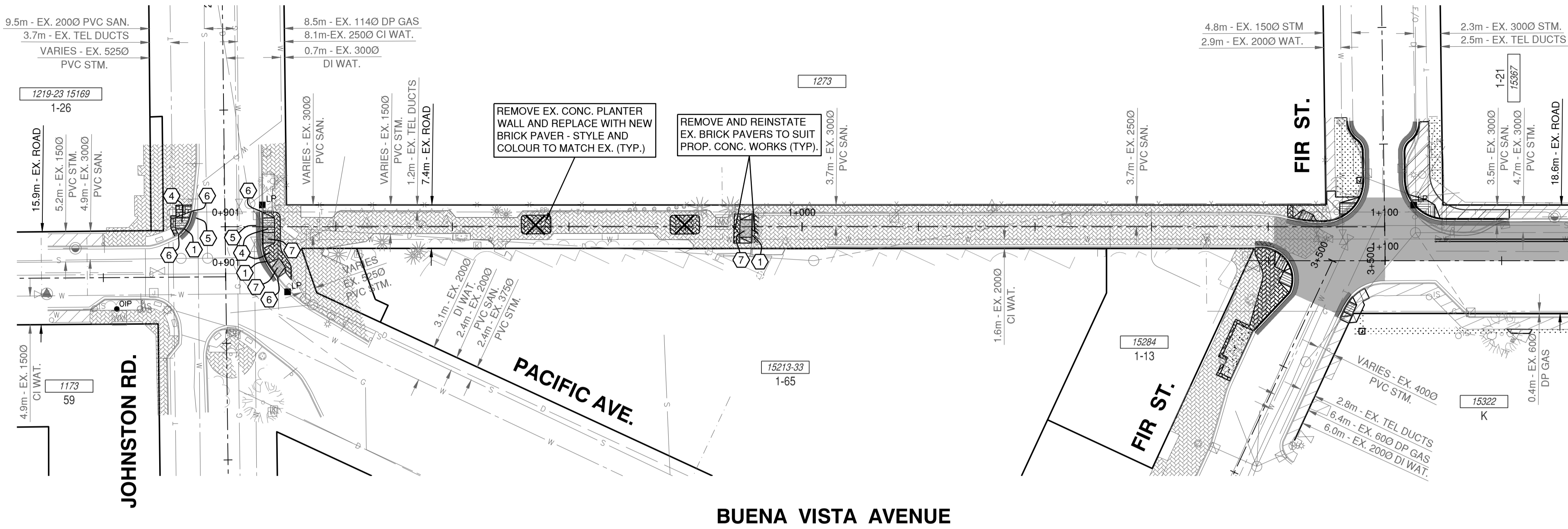
**KEY NOTES - ROADWORKS**

- CONC. BARRIER CURB WITH GUTTER TO MMCD C4
- CONC. EXTRUDED CURB TO DETAIL ON DWG NO. DWG NO. 23-0820-R1-D
- 100mm THICK CONC. SIDEWALK TO MMCD C1 OR BUS PASSENGER LANDING PAD UNDERLAIN BY 100mm THICK 19mm CRUSHED GRANULAR BASE COMPACTED TO 95% M.P.D.
- CONC. WHEELCHAIR RAMP TO DETAIL ON DWG NO. DWG NO. 23-0820-R1-D
- SAW CUT EX. ASPHALT AS PER 'ASPHALT SAWCUT / NEW CURB DETAIL' ON DWG NO. 23-0820-R1-D.
- TIE INTO EX. CONC. CURB AND/OR SIDEWALK.
- CYCLIST ASPHALT RAMP TO DETAIL ON DWG NO. DWG NO. 23-0820-R1-D

**LEGEND (PLAN VIEW)**

- FULL DEPTH MILL AND REMOVE EX. ASPHALT. INSTALL NEW ASPHALT PAVEMENT AS PER TYPICAL SECTION ON DWG NO. 23-0820-R1-D.
- INSTALL 100mm THICK CONCRETE PAD c/w 100mm THICK 19mm CRUSHED GRANULAR BASE COMPACTED TO 95% M.P.D.
- RESTORE WITH 150mm THICK TOP SOIL AND SOD.
- REMOVE EXISTING TREE

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 DRAFT**



STATION	EXIST. PROP.	EXIST. PROP.	EXIST. PROP.	EXIST. PROP.	EXIST. PROP.	EXIST. PROP.	EXIST. PROP.	EXIST. PROP.	EXIST. PROP.	EXIST. PROP.	EXIST. PROP.	EXIST. PROP.	EXIST. PROP.	EXIST. PROP.	EXIST. PROP.	EXIST. PROP.	EXIST. PROP.	EXIST. PROP.	EXIST. PROP.	EXIST. PROP.
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1+080																				
1+100																				
1+120																				

No.	DATE	REVISION	BY

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 314-9440 202 Street  
 Langley, BC V1M 4A6  
 TEL 604 574 3336  
 BINNIE.com

**CLIENT**  
 CITY OF WHITE ROCK  
 877 KEIL STREET, WHITE ROCK, BC, V4B 4V6

**DRAWING DESCRIPTION**  
 BUENA VISTA AVENUE BIKE PATH  
 BUENA VISTA AVENUE: JOHNSTON ROAD TO BEST STREET  
 ROADWORKS

**SURVEYED BY** SD  
**DRAWN BY** KFB/SVD  
**DESIGNED BY** NM  
**CHECKED BY** RA

**SCALES**  
 H 1:500 20m  
 V 1:50 2m

EGBC PERMIT No. 1001128

**DATE** 2023-11-28  
**DRAWING No.** 23-0820-R1-1  
**SHEET** 03 **OF**   **REV.**     
 DESTROY ALL PRINTS BEARING PREVIOUS No.

PLOT FILE: 2024-05-15\_16:00:35\_Plot\_PlanView.dwg  
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 PLOT DEVICE: HP DesignJet T1300  
 PLOT SCALE: 1:1  
 PLOT SHEET: 03 OF 03  
 PLOT DATE: 2024-05-15 16:00:35  
 PLOT BY: WMOU418

**BENCHMARK:**  
 MONUMENT 88H3900 LOCATED AT INTERSECTION  
 OF BUENA VISTA AVENUE AND FIR STREET  
 ELEV. = 82.579m (CVD28GVRD2018)

**CONSTRUCTION NOTES - ROADWORKS**

- AS NEEDED DURING CONSTRUCTION, TEMPORARILY REMOVE EXISTING SIGNS THAT WOULD BE IMPACTED BY CONSTRUCTION AND REINSTATE THEM AS DIRECTED BY THE CONTRACT ADMINISTRATOR.
- ADJUST COVERS/LIDS OF ALL EXISTING, UNABANDONED MANHOLES, WATER VALVES, GATE VALVES, VAULTS, AND JUNCTION BOXES TO SUIT FINISHED GRADES.
- WHERE SPECIFIED, REMOVE ALL ABANDONED CATCHBASINS AND FILL VOIDS WITH GRANULAR SUBBASE COMPACTED TO 95% MODIFIED PROCTOR DENSITY. CAP ABANDONED CONNECTIONS.
- UNLESS NOTED OTHERWISE, INSTALL NEW SINGLE CATCHBASIN LEADS AT MINIMUM 1.0% SLOPE USING 200mmØ PVC SDR35 PIPE.
- INSTALL SEDIMENT CONTROL DONUT (NILEX MEDIUM - PERMEABILITY 0.38 m<sup>3</sup>/s OR APPROVED EQUAL) ON ALL EX. CATCHBASINS THAT ARE RETAINED. INSPECT SEDIMENT TRAP EVERY TWO WEEKS OR AFTER EVERY MAJOR RAINFALL, WHICHEVER ARRIVES SOONER. EMPTY SILT SACK AND CLEAN IT OUT WHEN IT IS FULL OR IF ITS RESTRAINT CORD IS NOT VISIBLE.

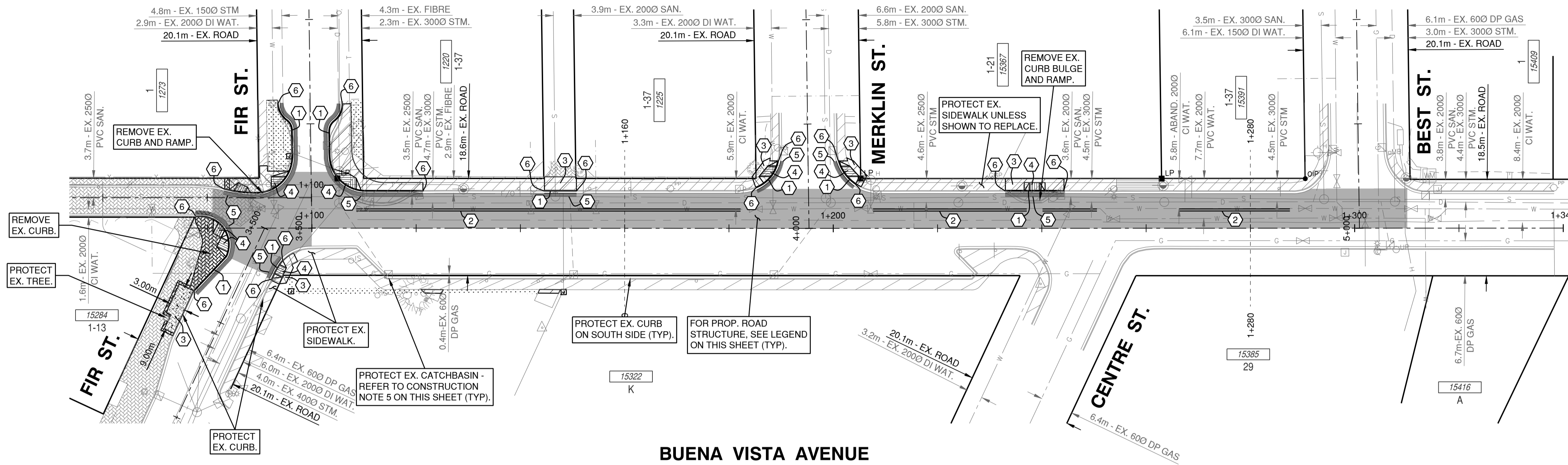
**KEY NOTES - ROADWORKS**

- CONC. BARRIER CURB WITH GUTTER TO MMCD C4
- CONC. EXTRUDED CURB TO DETAIL ON DWG NO. DWG NO. 23-0820-R1-D
- 100mm THICK CONC. SIDEWALK TO MMCD C1 OR BUS PASSENGER LANDING PAD UNDERLAIN BY 100mm THICK 19mm CRUSHED GRANULAR BASE COMPACTED TO 95% M.P.D.
- CONC. WHEELCHAIR RAMP TO DETAIL ON DWG NO. DWG NO. 23-0820-R1-D
- SAW CUT EX. ASPHALT AS PER 'ASPHALT SAWCUT / NEW CURB DETAIL' ON DWG NO. 23-0820-R1-D.
- TIE INTO EX. CONC. CURB AND/OR SIDEWALK.
- CYCLIST ASPHALT RAMP TO DETAIL ON DWG NO. DWG NO. 23-0820-R1-D

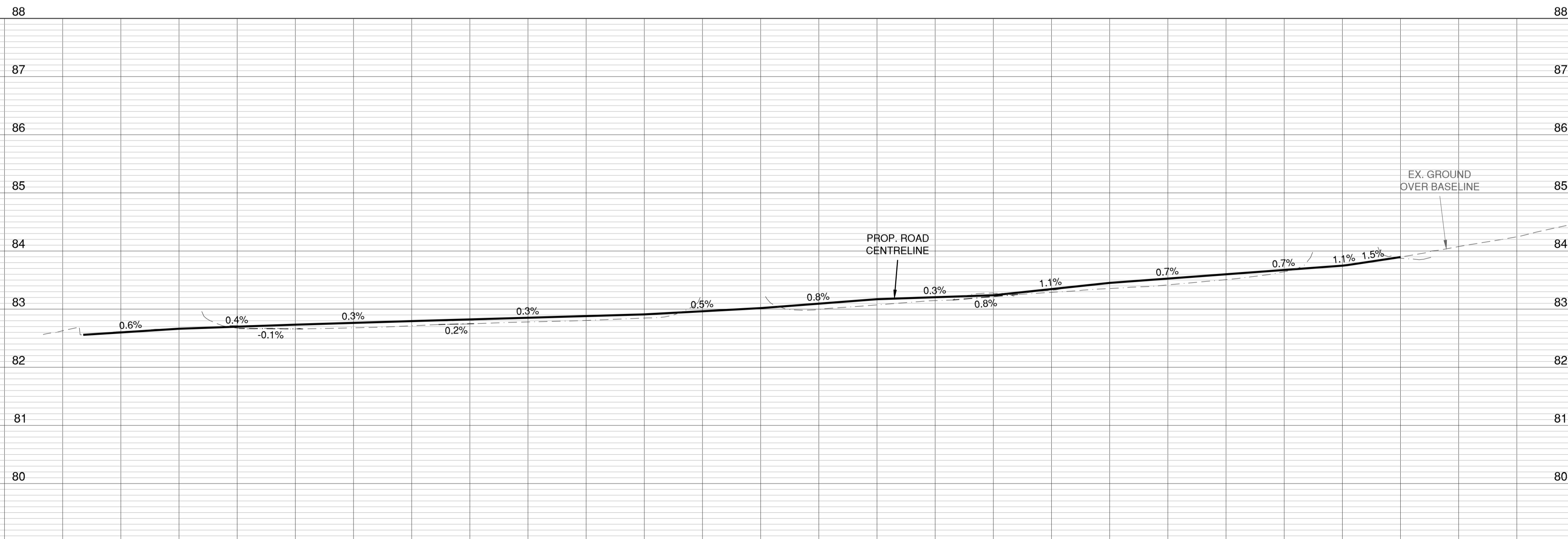
**LEGEND (PLAN VIEW)**

- FULL DEPTH MILL AND REMOVE EX. ASPHALT. INSTALL NEW ASPHALT PAVEMENT AS PER TYPICAL SECTION ON DWG NO. 23-0820-R1-D.
- INSTALL 100mm THICK CONCRETE PAD c/w 100mm THICK 19mm CRUSHED GRANULAR BASE COMPACTED TO 95% M.P.D.
- RESTORE WITH 150mm THICK TOP SOIL AND SOD.
- REMOVE EXISTING TREE

**NOT FOR CONSTRUCTION  
 DRAFT**



**BUENA VISTA AVENUE**



STATION	ROAD CENTRELINE ELEV.	NORTH GUTTERLINE ELEV.
1+070	82.63	82.66
1+080	82.613	82.667
1+090	82.599	82.665
1+100	82.65	82.663
1+110	82.715	82.671
1+120	82.698	82.667
1+130	82.73	82.665
1+140	82.764	82.663
1+150	82.79	82.678
1+160	82.794	82.71
1+170	82.809	82.735
1+180	82.823	82.745
1+190	82.85	82.755
1+200	82.892	82.78
1+210	82.885	82.806
1+220	82.881	82.806
1+230	82.91	82.85
1+240	82.910	82.85
1+250	82.957	82.895
1+260	82.964	83.07
1+270	83.02	83.147
1+280	83.017	83.157
1+290	83.102	83.27
1+300	83.094	83.216
1+310	83.17	83.252
1+320	83.171	83.289
1+330	83.206	83.345
1+340	83.204	83.35

USER: WJ0418  
 DATE: 2024-05-15 6:00:37 PM  
 FILE: C:\Users\WJ0418\Documents\23-0820-R1-2.dwg  
 PLOT: 2024-05-15 6:00:37 PM  
 PLOTTER: HP DesignJet T1200

No.	DATE	REVISION	BY



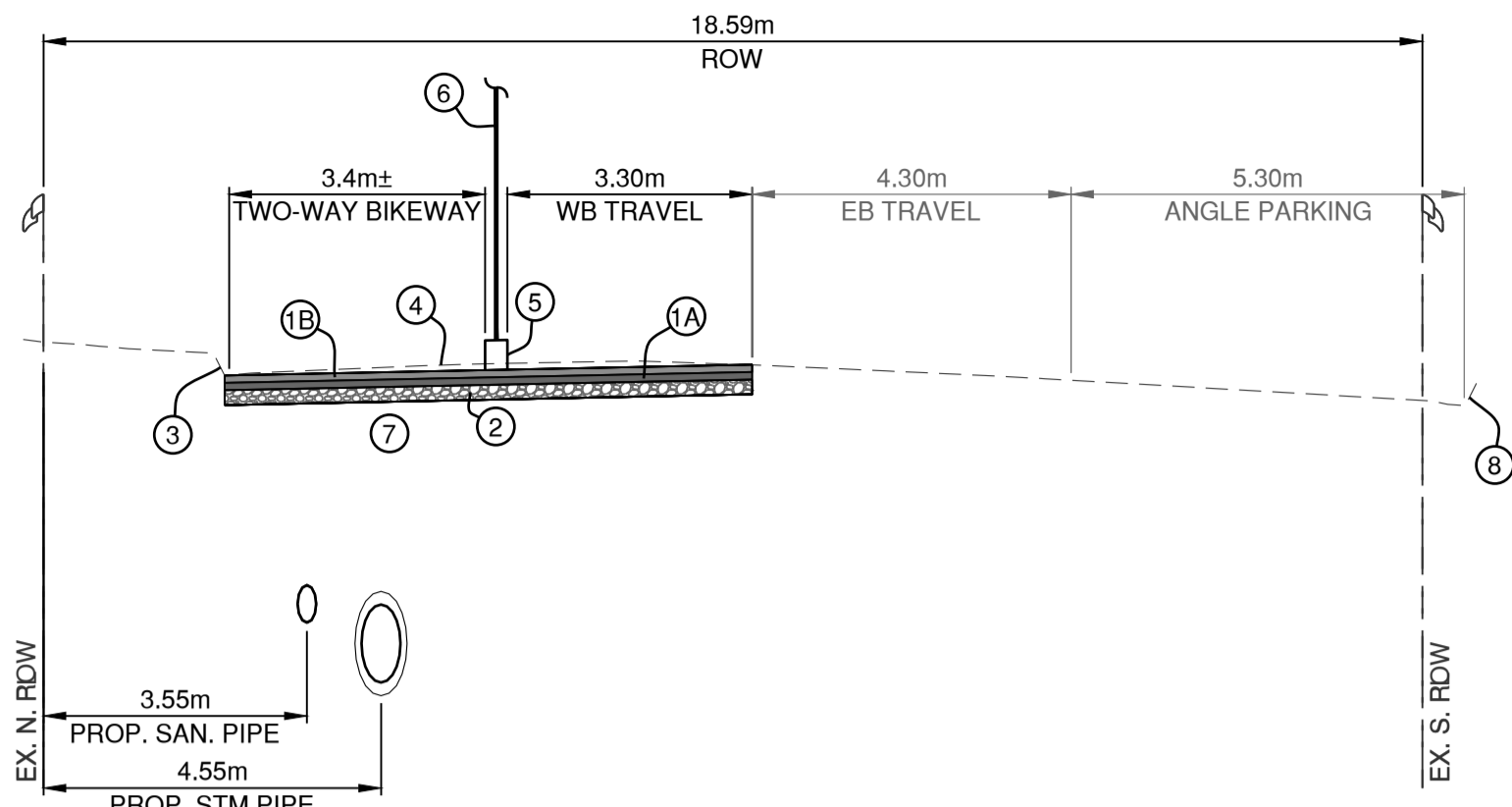
**R.F. BINNIE & ASSOCIATES LTD.**  
 314-9440 202 Street  
 Langley, BC V1M 4A6  
 TEL 604 574 3336  
 BINNIE.com

CLIENT	<b>CITY OF WHITE ROCK</b> 877 KEIL STREET, WHITE ROCK, BC, V4B 4V6
DRAWING DESCRIPTION	<b>BUENA VISTA AVENUE BIKE PATH</b> <b>BUENA VISTA AVENUE: JOHNSTON ROAD TO BEST STREET ROADWORKS</b>

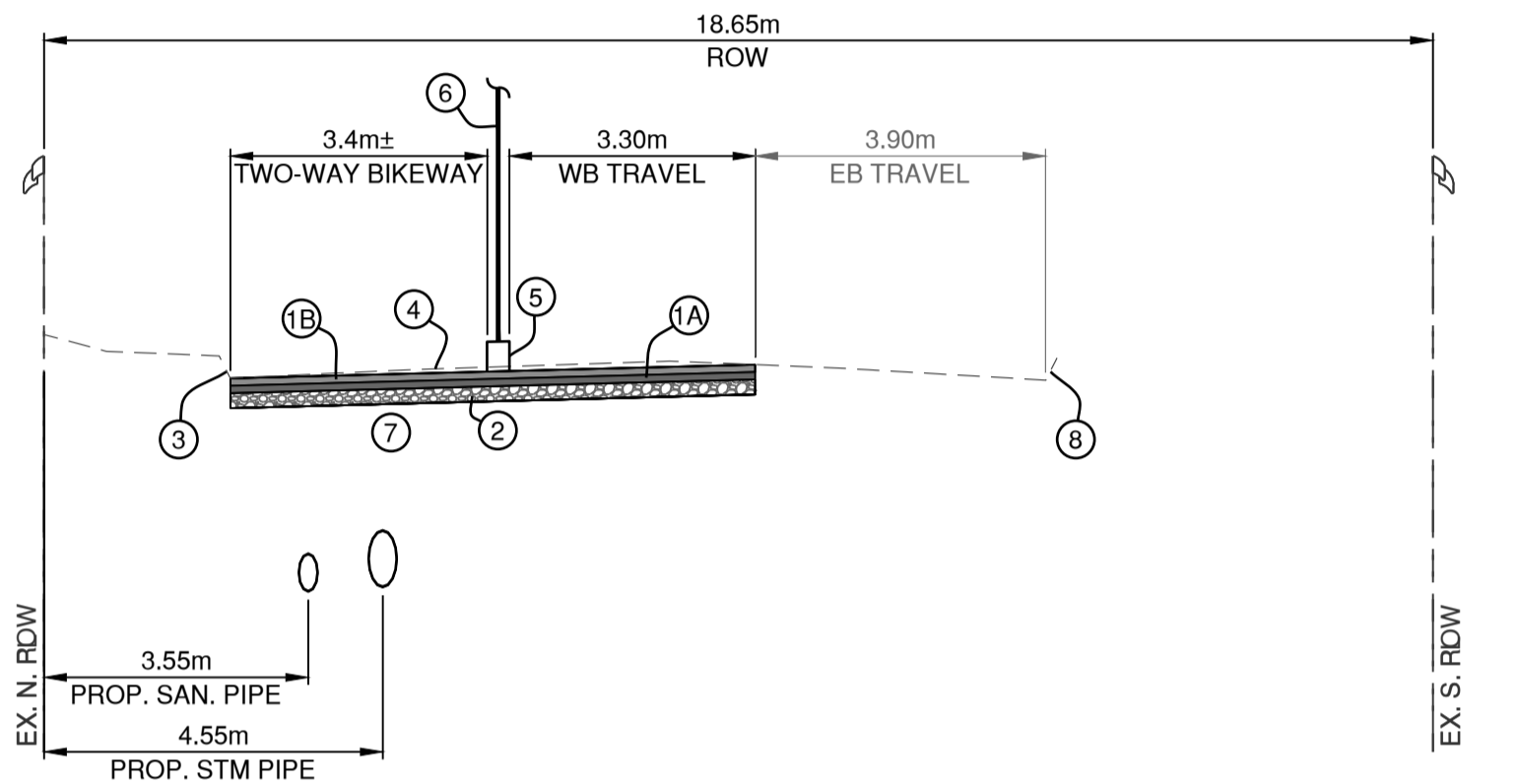
SURVEYED BY	SD
DRAWN BY	KFB/SVD
DESIGNED BY	NM
CHECKED BY	RA

DATE	2023-11-28
DRAWING No.	23-0820-R1-2
SHEET	04 OF
DESTROY ALL PRINTS BEARING PREVIOUS No.	REV.

EGBC PERMIT No. 1001128



**TYPICAL SECTION (STA. 1+160)**  
Scale: H 1:100, V 1:50

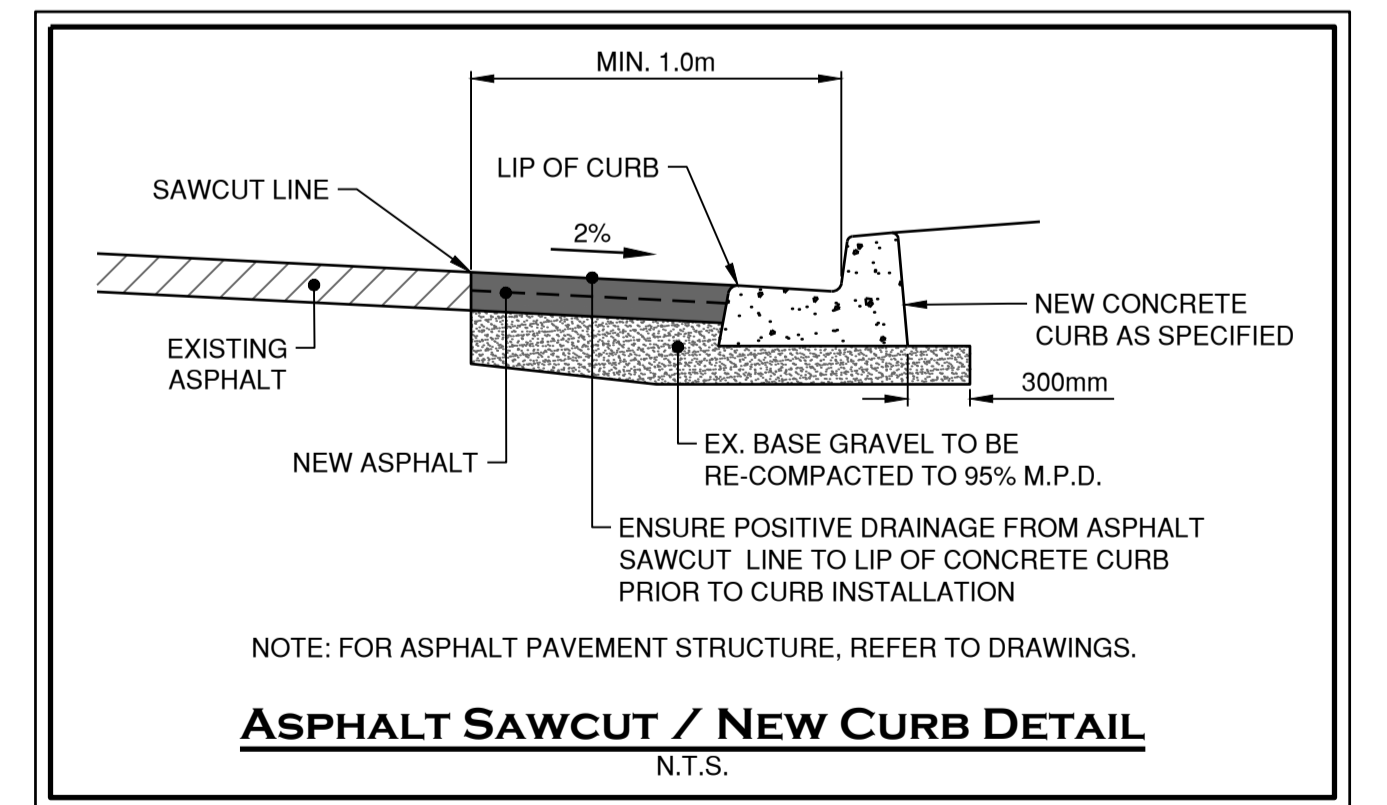
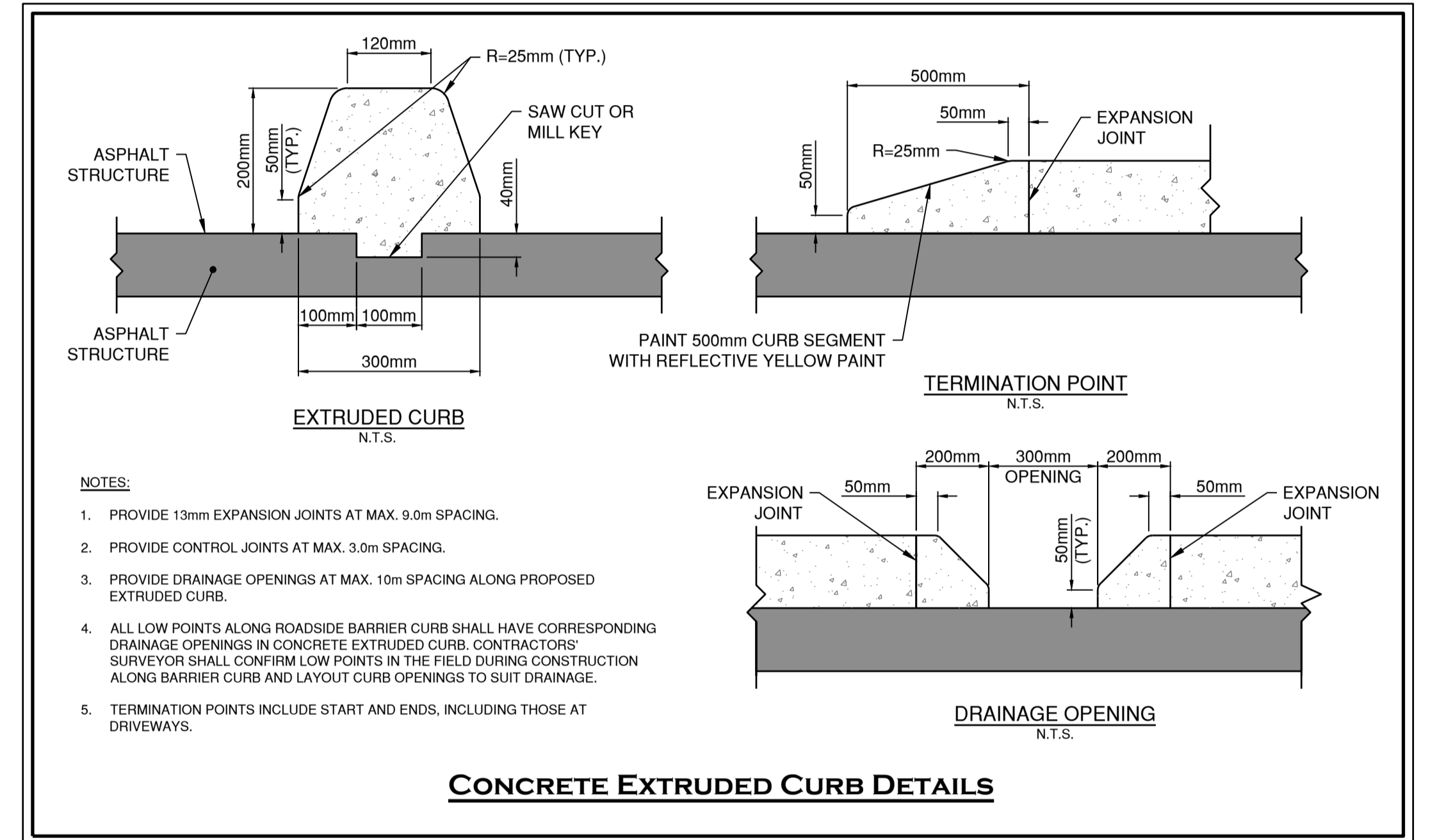


**TYPICAL SECTION (STA. 1+280)**  
Scale: H 1:100, V 1:50

**KEY NOTES FOR TYPICAL SECTIONS**

- ① 100mm THICK ASPHALT CONCRETE PAVEMENT IN TWO LIFTS:
  - ①A 50mm THICK LOWER COURSE #1
  - ①B 50mm THICK UPPER COURSE #1
- ② 100mm THICK 19mm MINUS CRUSHED GRANULAR BASE COMPACTED TO MIN. 95% MODIFIED PROCTOR DENSITY (M.P.D.)
- ③ WHERE SPECIFIED ON PLAN VIEW, REMOVE EX. CURB AND INSTALL CONCRETE BARRIER CURB WITH GUTTER TO MMCD C4.
- ④ FULL DEPTH MILL AND REMOVE EX. ASPHALT PAVEMENT. RECONSTRUCT FULL DEPTH OF ROAD ASPHALT PER KEY NOTES 1 AND 2.
- ⑤ EXTRUDED CURB TO DETAIL ON THIS SHEET
- ⑥ PEXCO FG300 FLEXIBLE DELINEATOR POSTS, WHITE COLOUR, MAX. HEIGHT 610mm. INDIVIDUALLY MOUNTED ON ROAD SURFACE USING BOLTS AND EPOXY. TWO WHITE REFLECTIVE BANDS AT TOP.
- ⑦ APPROVED PROOF-ROLLED SURFACE
- ⑧ EXISTING CURB TO REMAIN

MINIMUM REQUIREMENTS OF MATERIAL TESTING FOR QUALITY CONTROL		
TEST(S) [MATERIAL]	MMCD REFERENCE	FREQUENCY
SIEVE ANALYSIS AND PROCTOR [IMPORT AGGREGATE MATERIALS]	31 05 17	1 TEST PRIOR TO COMMENCING WORK 1 TEST PER SUPPLIER SOURCE CHANGE PRIOR TO FIRST DELIVERY 1 TEST PER 1,000 TONNES OF MATERIAL IMPORTED
COMPACTION DENSITY AND MOISTURE CONTENT [TRENCH GRANULAR BACKFILL]	31 23 01	1 TEST PER 50 LINEAR METRES PER 600mm THICK LIFT MINIMUM 1 FIELD TEST PER TRENCH
COMPACTION DENSITY AND MOISTURE CONTENT [SUBGRADE AND OTHER IMPORT GRANULAR FILLS]	31 24 13	1 TEST PER 250 SQUARE METRES PER 300mm THICK LIFT
COMPACTION DENSITY AND MOISTURE CONTENT [GRANULAR SUBBASE]	32 11 16.1	1 TEST PER 150 SQUARE METRES OF MATERIAL PER 150mm THICK LIFT MINIMUM 1 TEST PER 50 METRES PER LANE / MINIMUM 1 TEST PER LIFT MINIMUM 1 TEST PER DRIVEWAY
COMPACTION DENSITY AND MOISTURE CONTENT [GRANULAR BASE]	32 11 23	1 TEST PER 100 SQUARE METRES OF MATERIAL PER 100mm THICK LIFT MINIMUM 1 TEST PER 30 METRES PER LANE   MINIMUM 1 TEST PER LIFT MINIMUM 1 TEST PER 40m CURB   MINIMUM 1 TEST PER DRIVEWAY PROOF ROLL PRIOR TO PAVING AND/OR CONCRETE CURB/SIDEWALK INSTALLATION
SLUMP, AIR, TEMPERATURE, AGGREGATE, STRENGTH [CONCRETE]	03 30 20	1 TEST PER 20 CUBIC METRES MINIMUM 1 TEST PER SITE LOCATION PER DAY
CONVENTIONAL TESTS [HOT-MIX ASPHALT]	32 12 16	1 TEST PER 400 TONNES OF MATERIAL PLACED MINIMUM 1 TEST PER EACH ASPHALT TYPE   MINIMUM 1 TEST PER 20m LANE MINIMUM 1 TEST PER SITE LOCATION PER LIFT PER DAY
IMPORTED TOPSOIL	32 91 21	1 TEST PRIOR TO COMMENCING WORK
CCTV INSPECTION OF SEWER PIPES	33 01 30.1	REPORT DATA AND VIDEOS MUST BE PROVIDED ON USB DRIVE(S) OR VIA WEB-BASED DOWNLOAD LINK WITH HARD COPY BACKUP ON DVD-R



**NOT FOR CONSTRUCTION  
DRAFT**

PLOT DATE: 2024-05-15, 6:00:39 PM  
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 PLOT DATE: 2024-05-15, 6:00:39 PM  
 USER: NMOJ048  
 FILE: C:\Users\NMOJ048\OneDrive\Desktop\23-0820-R1-D\23-0820-R1-D.dwg

No.	DATE	REVISION	BY

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TEL 604 574 3336  
[BINNIE.com](http://BINNIE.com)

**CLIENT**  
CITY OF WHITE ROCK  
877 KEIL STREET, WHITE ROCK, BC, V4B 4V6

**DRAWING DESCRIPTION**  
BUENA VISTA AVENUE BIKE PATH  
BUENA VISTA AVENUE: JOHNSTON ROAD TO BEST STREET  
ROADWORKS DETAILS

**SURVEYED BY** SD  
**DRAWN BY** KFB/SVD  
**DESIGNED BY** NM  
**CHECKED BY** RA

**SCALES**  
1:250 10m

EGBC PERMIT No. 1001128

**DATE** 2023-11-28  
**DRAWING No.** 23-0820-R1-D  
**SHEET** 05 **OF** REV.  
DESTROY ALL PRINTS BEARING PREVIOUS No.

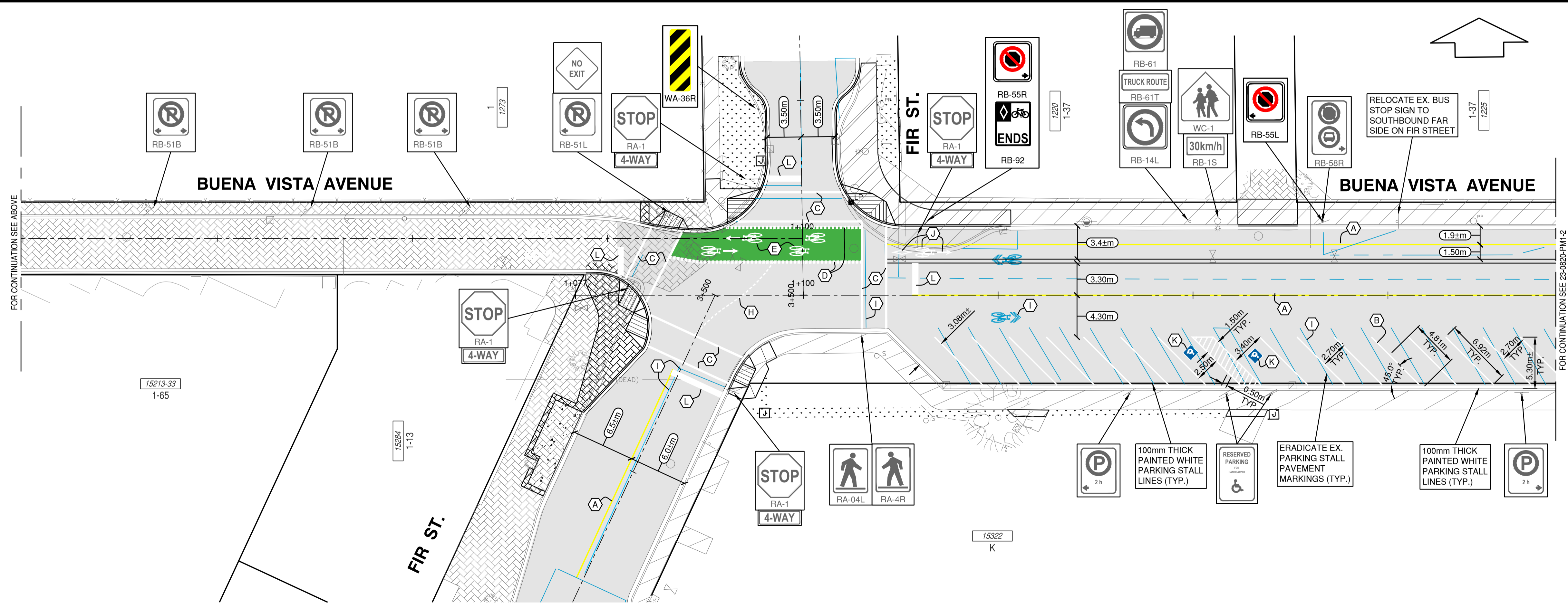
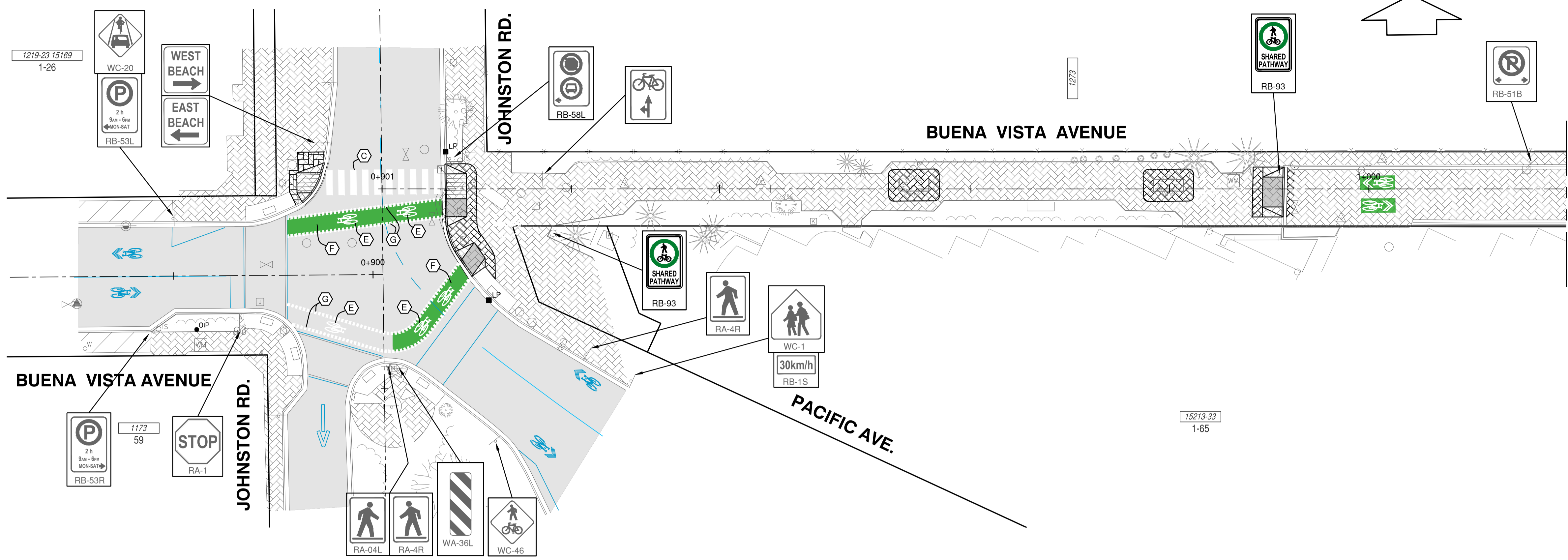
**BENCHMARK:**  
 MONUMENT 88H3900 LOCATED AT INTERSECTION  
 OF BUENA VISTA AVENUE AND FIR STREET  
 ELEV. = 82.579m (CVD28GVRD2018)

**CONSTRUCTION NOTES - PAVEMENT MARKING AND SIGNAGE**

- ALL NEW PAVEMENT MARKINGS TO BE THERMOPLASTIC UNLESS SPECIFIED OTHERWISE.
- ALL NEW PAVEMENT MARKINGS AND SIGNS TO CONFORM TO THE CURRENT EDITIONS OF THE MANUAL OF STANDARD TRAFFIC SIGNS AND PAVEMENT MARKINGS BY BC MOTI AND THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR CANADA BY TAC.
- ALL NEW SIGNS TO INCLUDE 'CITY OF WHITE ROCK' MARK.

**KEY NOTES - PAVEMENT MARKING**

- (A) SOLID DIRECTIONAL DIVIDING YELLOW LINE (100mm WIDE) AS PER FIGURE 7.1 OF BC MOTI MSTSPM (2000)
- (B) SOLID WHITE LINE (100mm WIDE) AS PER FIGURE 7.1 OF BC MOTI MSTSPM (2000)
- (C) CROSSWALK TRANSVERSE ZEBRA (WHITE 600 mm WIDE) AS PER FIGURE 7.2 OF BC MOTI MSTSPM (2000)
- (D) ELEPHANT'S FEET BICYCLE CROSSING LINE (200mm x 200mm WHITE SQUARES, 200mm GAP) AS PER FIGURE C1-3 OF MUTCDC (6TH EDITION)
- (E) ELONGATED BICYCLE SYMBOL (2.0m LONG, 1.0m WIDE, WHITE) AS PER FIGURE C1-4 OF MUTCDC (6TH EDITION)
- (F) GREEN METHYL METHACRYLATE (MMA) PAINT c/w DOUBLE COAT WITH REFLECTIVE BEADS
- (G) MINI-ZEBRA CROSSWALK LINES FOR PEDESTRIANS OVER BICYCLE FACILITY (300mm WIDE, WHITE)
- (H) BROKEN GUIDING WHITE LINE (100mm WIDE, 0.5m LONG, 0.5m GAP) AS PER FIGURE 7.1 OF BC MOTI MSTSPM (2000)
- (I) ERADICATE EXISTING PAVEMENT MARKING TO FULLY REMOVE ANY RESIDUAL LINE AND MINIMIZE GRINDING SCARS.
- (J) CONVENTIONAL BICYCLE LANE PAVEMENT MARKINGS (BIKE RESERVED LANE, ELONGATED BICYCLE, AND BIKE DIRECTIONAL ARROW SYMBOLS, ALL WHITE) AS PER FIGURES C7-1 OF MUTCDC (6TH EDITION)
- (K) INTERNATIONAL SYMBOL OF ACCESSIBILITY PARKING SPACE MARKING (WHITE SYMBOL, BLUE BACKGROUND WITH WHITE BORDER) AS PER FIGURE 3B-19 OF MUTCD (2023, 11TH EDITION) OF FEDERAL HIGHWAY ADMINISTRATION OF U.S. DEPARTMENT OF TRANSPORTATION
- (L) STOP BAR (600mm WIDE, WHITE) AS PER FIGURE 7.2 OF BC MOTI MSTSPM (2000)



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No.	DATE	REVISION	BY



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 Langley, BC V1M 4A6  
 TEL 604 574 3336  
 BINNIE.com

CLIENT	<b>CITY OF WHITE ROCK</b> 877 KEIL STREET, WHITE ROCK, BC, V4B 4V6
DRAWING DESCRIPTION	<b>BUENA VISTA AVENUE BIKE PATH        BUENA VISTA AVENUE: JOHNSTON ROAD TO BEST STREET        PAVEMENT MARKING AND SIGNAGE</b>

SURVEYED BY	SD
DRAWN BY	KFB/SVD
DESIGNED BY	NM
CHECKED BY	RA
SCALES	1:250 10m

DATE	2024-01-30
DRAWING No.	<b>23-0820-PM1-1</b>
SHEET	06 OF
REV.	
DESTROY ALL PRINTS BEARING PREVIOUS No.	

EGBC PERMIT No. 1001128

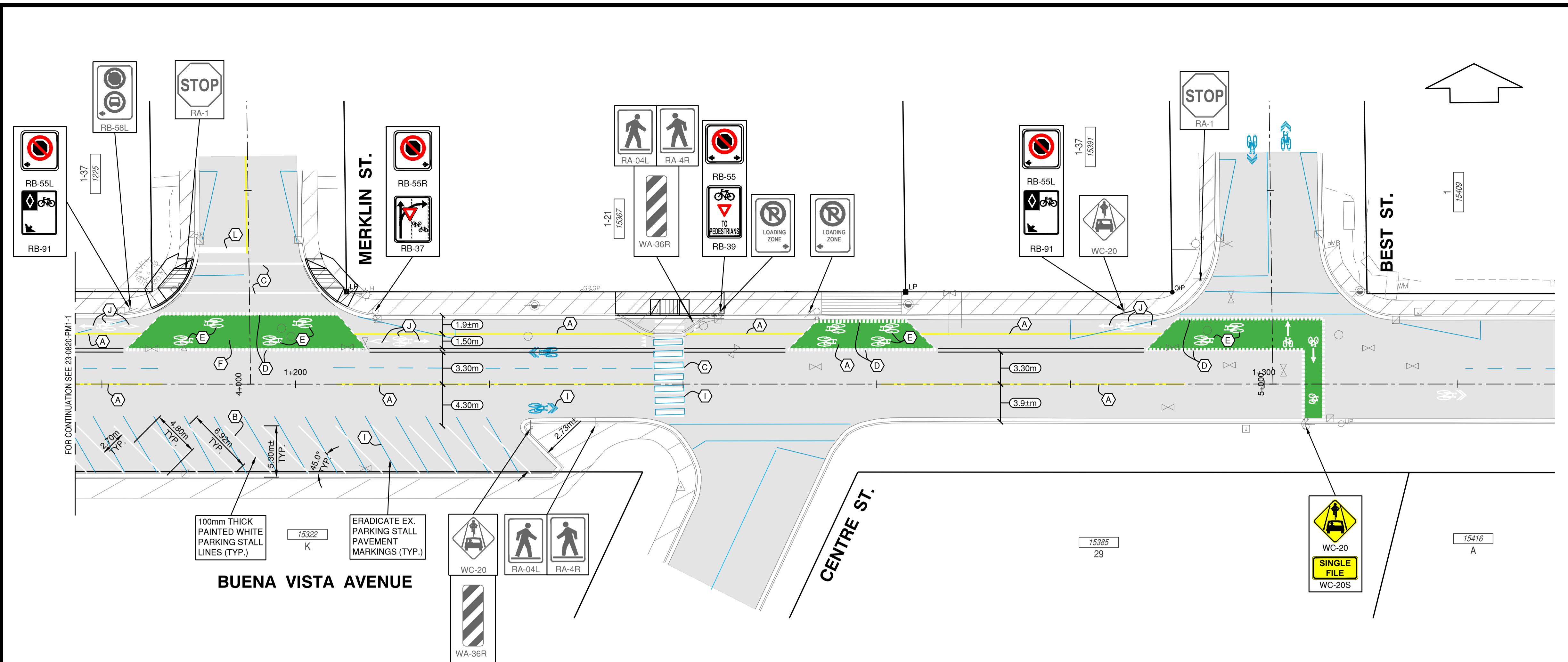
**BENCHMARK:**  
 MONUMENT 88H3900 LOCATED AT INTERSECTION  
 OF BUENA VISTA AVENUE AND FIR STREET  
 ELEV. = 82.579m (CVD28GVRD2018)

**CONSTRUCTION NOTES - PAVEMENT MARKING AND SIGNAGE**

1. ALL NEW PAVEMENT MARKINGS TO BE THERMOPLASTIC UNLESS SPECIFIED OTHERWISE.
2. ALL NEW PAVEMENT MARKINGS AND SIGNS TO CONFORM TO THE CURRENT EDITIONS OF THE MANUAL OF STANDARD TRAFFIC SIGNS AND PAVEMENT MARKINGS BY BC MOTI AND THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR CANADA BY TAC.
3. ALL NEW SIGNS TO INCLUDE 'CITY OF WHITE ROCK' MARK.

**KEY NOTES - PAVEMENT MARKING**

- (A) SOLID DIRECTIONAL DIVIDING YELLOW LINE (100mm WIDE) AS PER FIGURE 7.1 OF BC MOTI MSTSPM (2000)
- (B) SOLID WHITE LINE (100mm WIDE) AS PER FIGURE 7.1 OF BC MOTI MSTSPM (2000)
- (C) CROSSWALK TRANSVERSE ZEBRA (WHITE 600 mm WIDE) AS PER FIGURE 7.2 OF BC MOTI MSTSPM (2000)
- (D) ELEPHANT'S FEET BICYCLE CROSSING LINE (200mm x 200mm WHITE SQUARES, 200mm GAP) AS PER FIGURE C1-3 OF MUTCDC (6TH EDITION)
- (E) ELONGATED BICYCLE SYMBOL (2.0m LONG, 1.0m WIDE, WHITE) AS PER FIGURE C1-4 OF MUTCDC (6TH EDITION)
- (F) GREEN METHYL METHACRYLATE (MMA) PAINT c/w DOUBLE COAT WITH REFLECTIVE BEADS
- (G) MINI-ZEBRA CROSSWALK LINES FOR PEDESTRIANS OVER BICYCLE FACILITY (300mm WIDE, WHITE)
- (H) BROKEN GUIDING WHITE LINE (100mm WIDE, 0.5m LONG, 0.5m GAP) AS PER FIGURE 7.1 OF BC MOTI MSTSPM (2000)
- (I) ERADICATE EXISTING PAVEMENT MARKING TO FULLY REMOVE ANY RESIDUAL LINE AND MINIMIZE GRINDING SCARS.
- (J) CONVENTIONAL BICYCLE LANE PAVEMENT MARKINGS (BIKE RESERVED LANE, ELONGATED BICYCLE, AND BIKE DIRECTIONAL ARROW SYMBOLS, ALL WHITE) AS PER FIGURES C7-1 OF MUTCDC (6TH EDITION)
- (K) INTERNATIONAL SYMBOL OF ACCESSIBILITY PARKING SPACE MARKING (WHITE SYMBOL, BLUE BACKGROUND WITH WHITE BORDER) AS PER FIGURE 3B-19 OF MUTCD (2023, 11TH EDITION) OF FEDERAL HIGHWAY ADMINISTRATION OF U.S. DEPARTMENT OF TRANSPORTATION
- (L) STOP BAR (600mm WIDE, WHITE) AS PER FIGURE 7.2 OF BC MOTI MSTSPM (2000)



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**CLIENT**  
 CITY OF WHITE ROCK  
 877 KEIL STREET, WHITE ROCK, BC, V4B 4V6

**DRAWING DESCRIPTION**  
 BUENA VISTA AVENUE BIKE PATH  
 BUENA VISTA AVENUE: JOHNSTON ROAD TO BEST STREET  
 PAVEMENT MARKING AND SIGNAGE

**SURVEYED BY** SD  
**DRAWN BY** KFB/SVD  
**DESIGNED BY** NM  
**CHECKED BY** RA

**SCALES**  
 0 1:250 10m

EGBC PERMIT No. 1001128

<b>DATE</b>	2024-01-30
<b>DRAWING No.</b>	23-0820-PM1-2
<b>SHEET</b> 07 <b>OF</b>	REV.
DESTROY ALL PRINTS BEARING PREVIOUS No.	

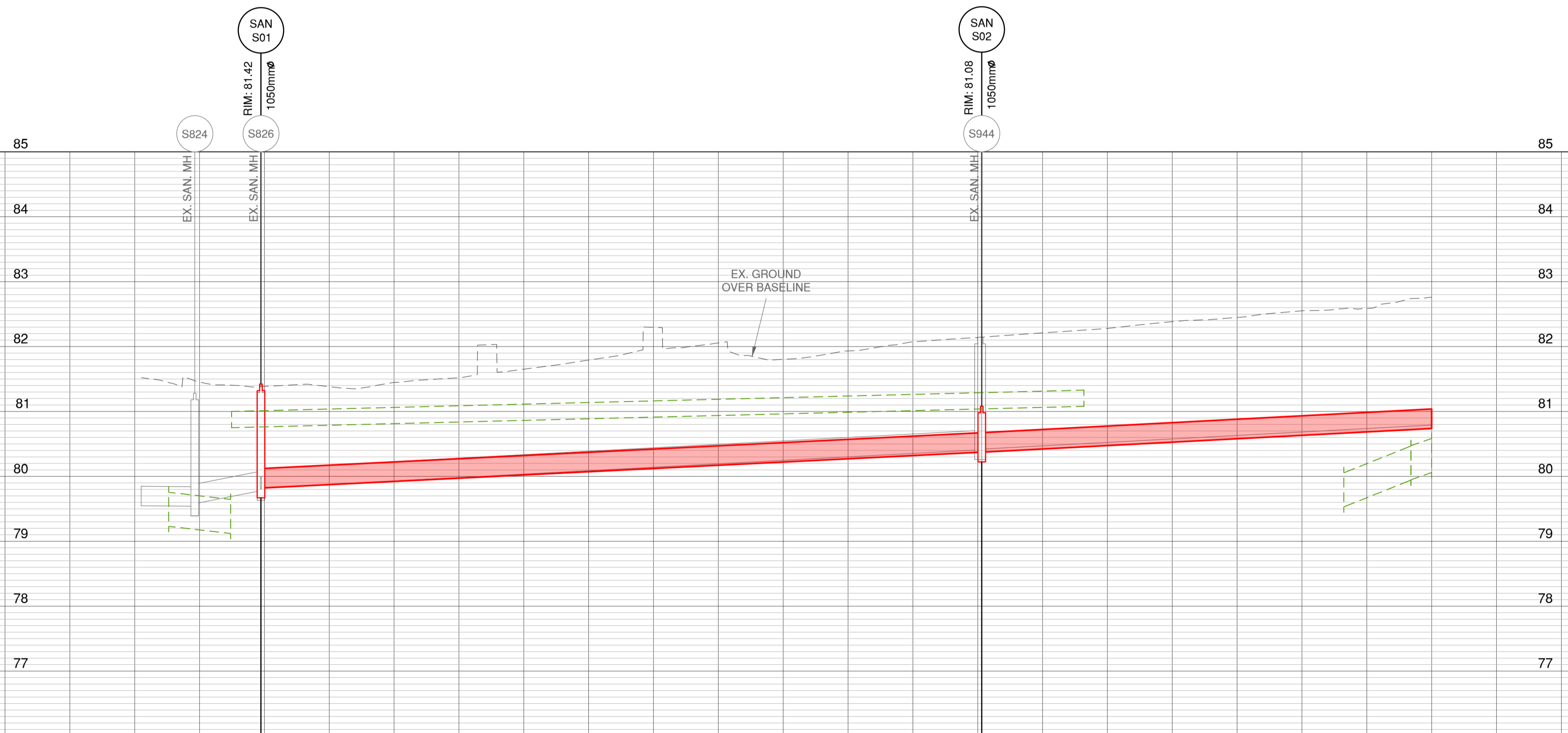
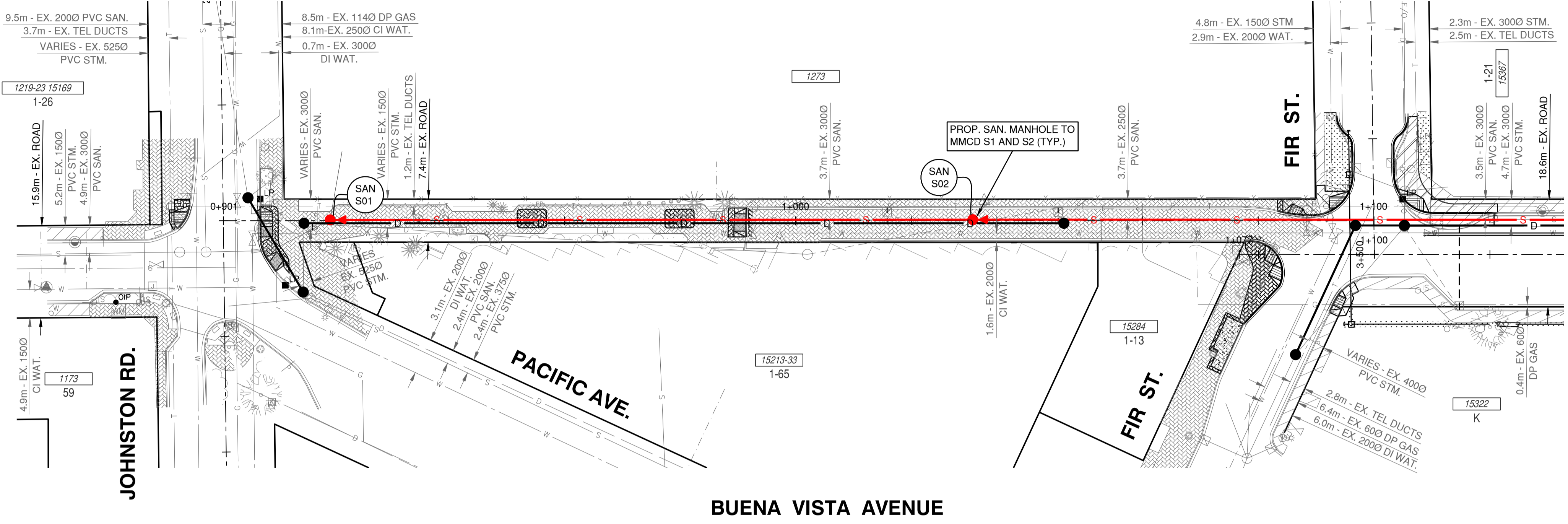
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**BENCHMARK:**  
 MONUMENT 88H3900 LOCATED AT INTERSECTION  
 OF BUENA VISTA AVENUE AND FIR STREET  
 ELEV. = 82.579m (CVD28GVRD2018)

**CONSTRUCTION NOTES - SANITARY SEWER**

1. EXPOSE AND VERIFY LOCATION AND ELEVATIONS OF ALL UTILITY CROSSINGS AND TIE-IN POINTS AND NOTIFY CONTRACT ADMINISTRATOR OF ANY DISCREPANCIES.
2. LOCATE ALL EXISTING LIVE SANITARY SERVICE CONNECTIONS AND RECONNECT THEM TO NEW SANITARY MAIN c/w NEW INSPECTION CHAMBER AT 0.3m FROM PL TO MMCD S9.
3. NEW SANITARY SYSTEM (PIPES AND MANHOLES) TO BE FLUSHED CLEAN UPON COMPLETION OF INSTALLATION.
4. POST-CONSTRUCTION CCTV INSPECTION REPORTS (PDF AND VIDEO) TO BE PROVIDED TO CONTRACT ADMINISTRATOR.
5. UTILITY TRENCH TO BE AS PER MMCD G4. TRENCH BACKFILL TO BE 75mm CRUSHED GRANULAR SUBBASE COMPACTED TO 95% M.P.D. WITH EACH COMPACTION LIFT NOT EXCEEDING 300mm THICK.
6. UNLESS OTHERWISE NOTED, ALL SANITARY SERVICES TO BE 150mmØ PVC DR28 SLOPED DOWN AT MIN. 2% FROM PROPERTY LINE TOWARD NEW SANITARY MAIN TO MMCD S7.
7. CONTACT CITY FOR EXPECTED SANITARY FLOWS AND PROVIDE BY-PASS PLAN TO CONTRACT ADMINISTRATOR AT LEAST TWO WEEKS PRIOR TO THE START OF CONSTRUCTION.



PROP. SANITARY PIPE	PROP. 111.15m - 3000 PVC SDR35 SAN. @ -0.50%		PROP. 116.16m - 3000 PVC SDR35 SAN. @ -0.53%	
EX. SANITARY PIPE	EX. 3000 SAN.	EX. 3000 SAN.	EX. 2500 SAN.	
STATION	0+880	0+900	0+920	1+120

**NOT FOR CONSTRUCTION DRAFT**

No.	DATE	REVISION	BY



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**CLIENT**  
 CITY OF WHITE ROCK  
 877 KEIL STREET, WHITE ROCK, BC, V4B 4V6

**DRAWING DESCRIPTION**  
 BUENA VISTA AVENUE BIKE PATH  
 BUENA VISTA AVENUE: JOHNSTON ROAD TO BEST STREET  
 SANITARY SEWER

**SURVEYED BY** SD  
**DRAWN BY** KFB/SVD  
**DESIGNED BY** NM  
**CHECKED BY** RA

**SCALES**  
 H 1:500 20m  
 V 1:50 2m

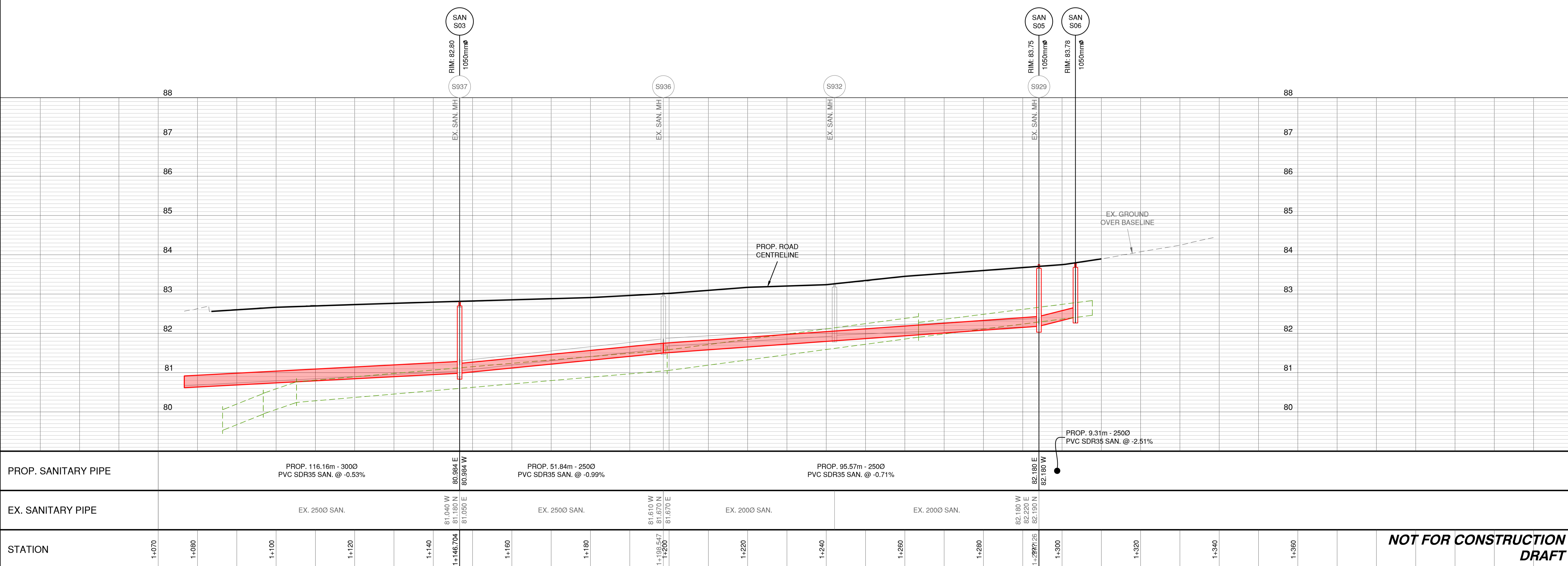
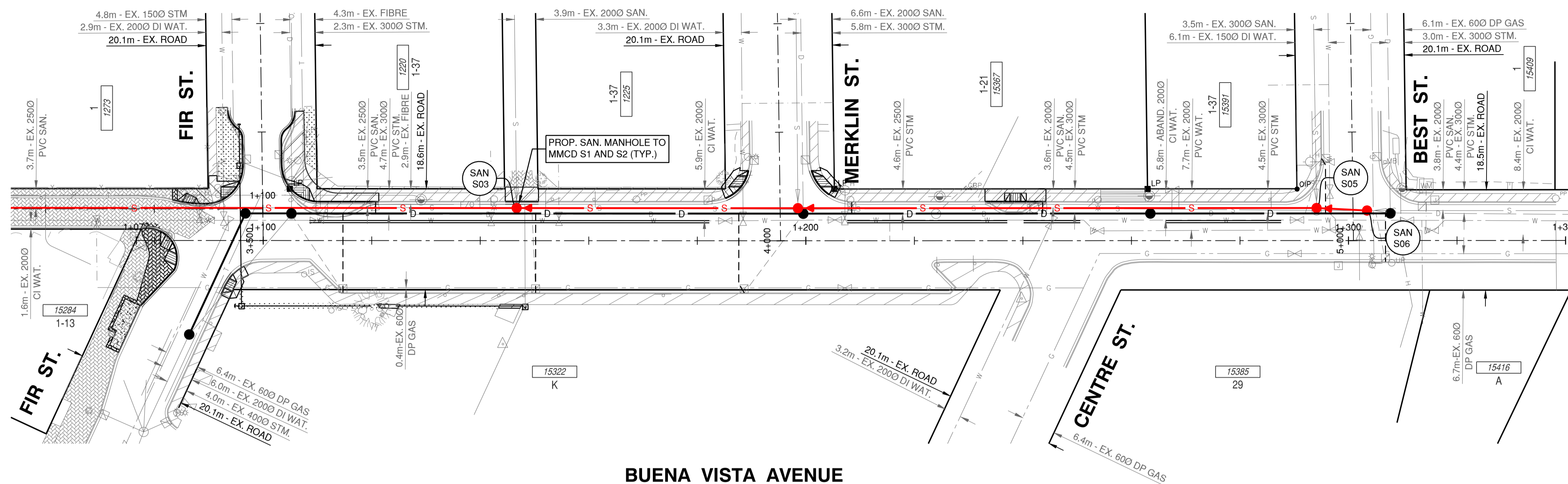
**DATE** 2023-11-28  
**DRAWING No.** 23-0820-S1-1  
**SHEET** 08 **OF**  **REV.**    
 DESTROY ALL PRINTS BEARING PREVIOUS No.

P:\PROJECTS\2024-05-15\_6\_02\11\_P\PROJECTS\NAGUAR\...  
 2024-05-15 10:00 AM  
 23-0820-S1-1

**BENCHMARK:**  
MONUMENT 88H3900 LOCATED AT INTERSECTION  
OF BUENA VISTA AVENUE AND FIR STREET  
ELEV. = 82.579m (CVD28GVRD2018)

**CONSTRUCTION NOTES - SANITARY SEWER**

- EXPLORE AND VERIFY LOCATION AND ELEVATIONS OF ALL UTILITY CROSSINGS AND TIE-IN POINTS AND NOTIFY CONTRACT ADMINISTRATOR OF ANY DISCREPANCIES.
- LOCATE ALL EXISTING LIVE SANITARY SERVICE CONNECTIONS AND RECONNECT THEM TO NEW SANITARY MAIN c/w NEW INSPECTION CHAMBER AT 0.3m FROM PL TO MMCD S9.
- NEW SANITARY SYSTEM (PIPES AND MANHOLES) TO BE FLUSHED CLEAN UPON COMPLETION OF INSTALLATION.
- POST-CONSTRUCTION CCTV INSPECTION REPORTS (PDF AND VIDEO) TO BE PROVIDED TO CONTRACT ADMINISTRATOR.
- UTILITY TRENCH TO BE AS PER MMCD G4. TRENCH BACKFILL TO BE 75mm CRUSHED GRANULAR SUBBASE COMPACTED TO 95% M.P.D. WITH EACH COMPACTION LIFT NOT EXCEEDING 300mm THICK.
- UNLESS OTHERWISE NOTED, ALL SANITARY SERVICES TO BE 150mmØ PVC DR28 SLOPED DOWN AT MIN. 2% FROM PROPERTY LINE TOWARD NEW SANITARY MAIN TO MMCD S7.
- CONTACT CITY FOR EXPECTED SANITARY FLOWS AND PROVIDE BY-PASS PLAN TO CONTRACT ADMINISTRATOR AT LEAST TWO WEEKS PRIOR TO THE START OF CONSTRUCTION.



**NOT FOR CONSTRUCTION DRAFT**

No.	DATE	REVISION	BY

**R.F. BINNIE & ASSOCIATES LTD.**  
314-9440 202 Street  
Langley, BC V1M 4A6  
TEL 604 574 3336  
[BINNIE.com](http://BINNIE.com)

**CLIENT**  
**CITY OF WHITE ROCK**  
877 KEIL STREET, WHITE ROCK, BC, V4B 4V6

**DRAWING DESCRIPTION**  
**BUENA VISTA AVENUE BIKE PATH**  
**BUENA VISTA AVENUE: JOHNSTON ROAD TO BEST STREET**  
**SANITARY SEWER**

**SURVEYED BY** SD  
**DRAWN BY** KFB/SVD  
**DESIGNED BY** NM  
**CHECKED BY** RA

**SCALES**  
H 1:500 20m  
V 1:50 2m

**DATE** 2023-11-28  
**DRAWING No.** 23-0820-S1-2  
**SHEET** 09 OF 10  
**REV.**

DESTROY ALL PRINTS BEARING PREVIOUS No.

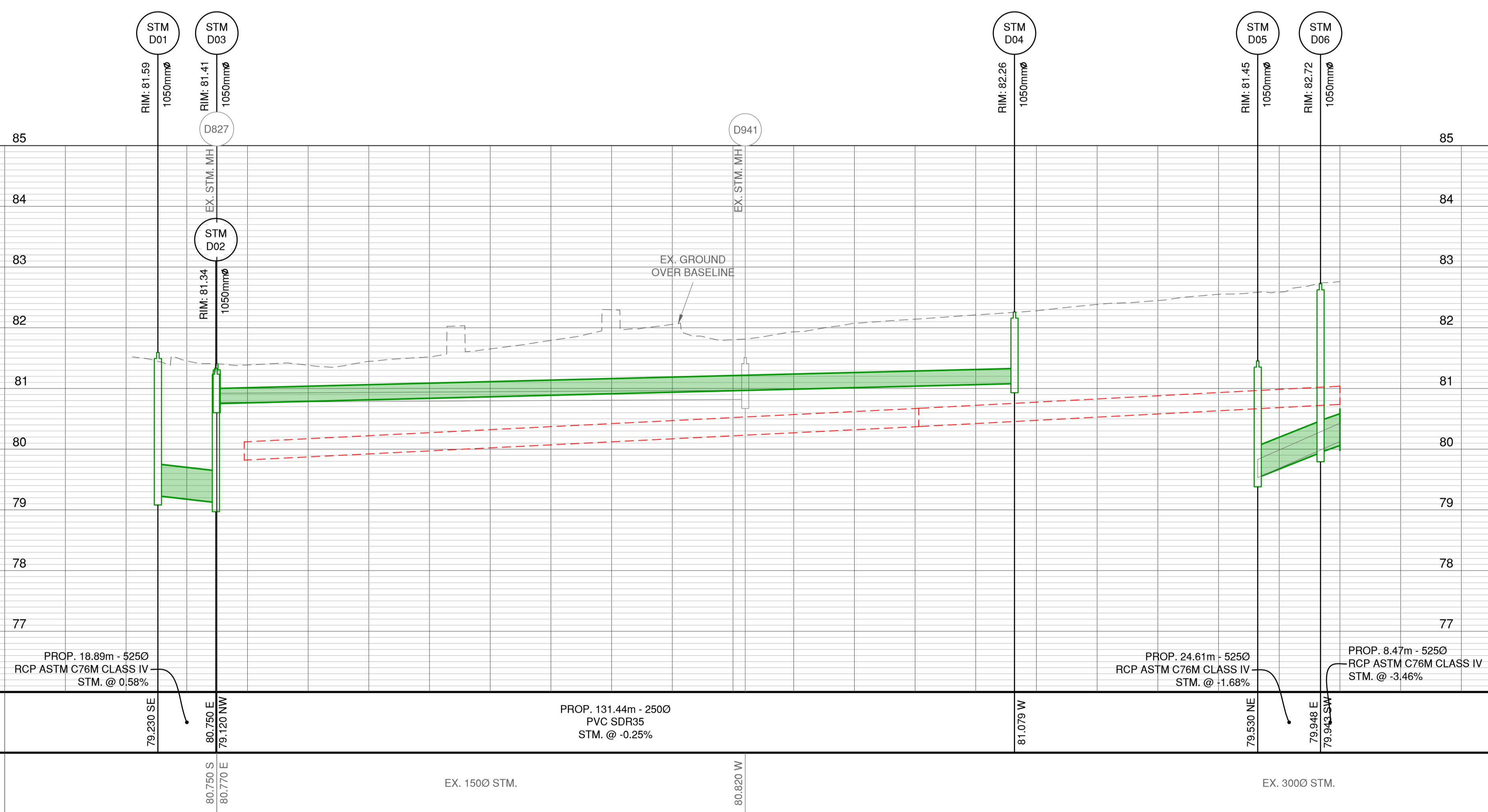
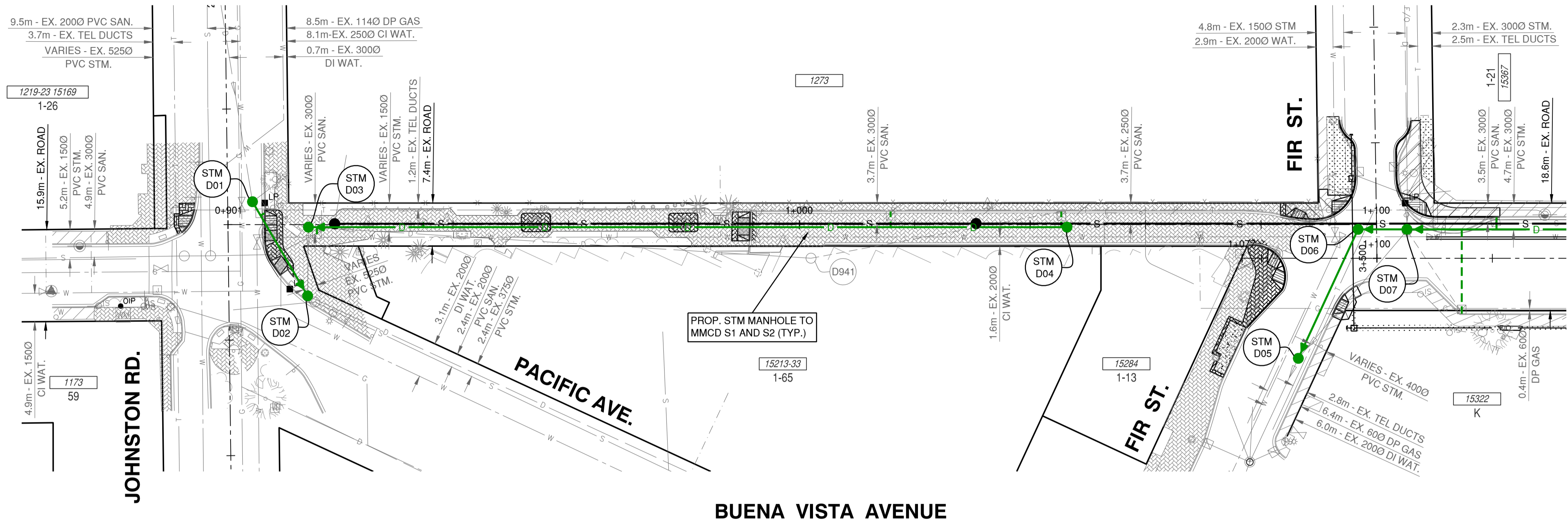
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EGBC PERMIT No. 1001128

**BENCHMARK:**  
 MONUMENT 88H3900 LOCATED AT INTERSECTION  
 OF BUENA VISTA AVENUE AND FIR STREET  
 ELEV. = 82.579m (CVD28GVRD2018)

**CONSTRUCTION NOTES - STORM SEWER**

1. EXPOSE AND VERIFY LOCATION AND ELEVATION OF EACH UTILITY CROSSING AND TIE-IN POINT; NOTIFY CONTRACT ADMINISTRATOR OF ANY CONFLICTS OR DISCREPANCIES.
2. LOCATE ALL EXISTING STORM SERVICE CONNECTIONS OR DRAIN TILES AND RECONNECT THEM TO EW STORM SYSTEM OR NEW INSPECTION CHAMBER AT PL TO MMCD S10.
3. NEW STORM SYSTEM (SEWERS AND MANHOLES) TO BE FLUSHED CLEAN UPON COMPLETION OF INSTALLATION.
4. POST-CONSTRUCTION CCTV INSPECTION REPORTS (PDF AND VIDEO) TO BE PROVIDED TO CONTRACT ADMINISTRATOR.
5. UTILITY TRENCH TO BE AS PER MMCD G4. TRENCH BACKFILL TO BE 75mm CRUSHED GRANULAR SUBBASE COMPACTED TO 95% M.P.D. WITH EACH COMPACTION LIFT NOT EXCEEDING 300mm THICK.
6. UNLESS OTHERWISE NOTED, ALL DRAINAGE SERVICE CONNECTIONS TO BE 150mmØ PVC DR28 SLOPED DOWN AT MIN. 2% FROM PROPERTY LINE (PL) TO NEW STORM SEWER. REFER TO MMCD S8.
7. MINIMUM SLOPE FOR ALL CATCH BASIN LEADS AND LAWN BASIN LEADS TO BE 1%, UNLESS APPROVED OTHERWISE.
8. UNLESS OTHERWISE NOTED, SINGLE CB LEADS TO BE 200mmØ PVC DR35 AND LAWN BASIN LEADS TO BE 150mmØ PVC DR28.



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**CLIENT**  
 CITY OF WHITE ROCK  
 877 KEIL STREET, WHITE ROCK, BC, V4B 4V6

**DRAWING DESCRIPTION**  
 BUENA VISTA AVENUE BIKE PATH  
 BUENA VISTA AVENUE: JOHNSTON ROAD TO BEST STREET  
 STORM SEWER

**SURVEYED BY** SD  
**DRAWN BY** KFB/SVD  
**DESIGNED BY** NM  
**CHECKED BY** RA

**SCALES**  
 H 1:500 20m  
 V 1:50 2m

**DATE** 2023-11-28  
**DRAWING No.**  
 23-0820-ST1-1

**SHEET** 10 **OF** **REV.**

DESTROY ALL PRINTS BEARING PREVIOUS No. ↗

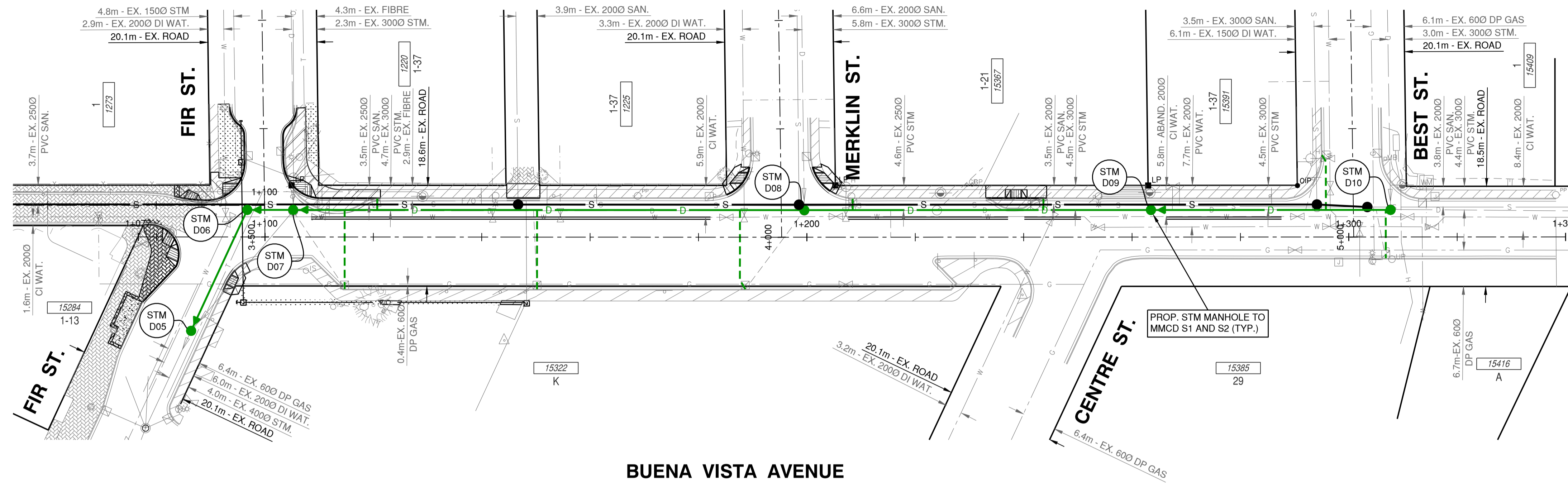
EGBC PERMIT No. 1001128

PLOTTED: 2024-05-15 16:02:47 PM USER: WMOJAB  
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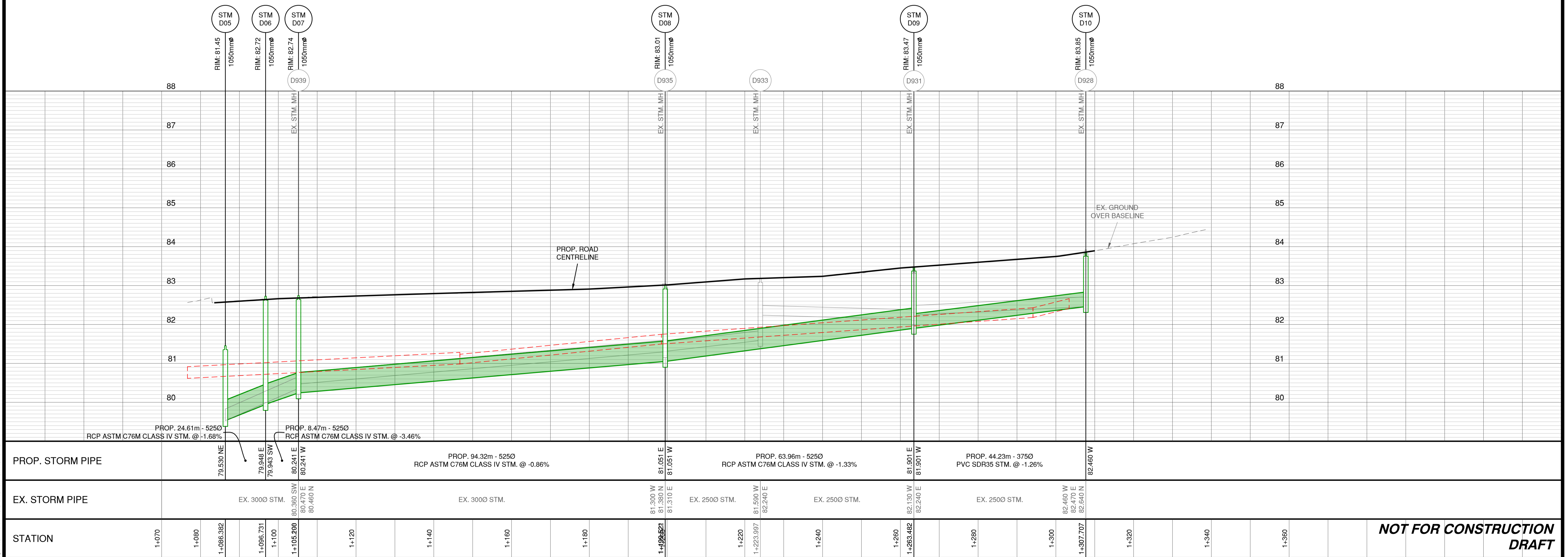
**BENCHMARK:**  
 MONUMENT 88H3900 LOCATED AT INTERSECTION  
 OF BUENA VISTA AVENUE AND FIR STREET  
 ELEV. = 82.579m (CVD28GVRD2018)

**CONSTRUCTION NOTES - STORM SEWER**

1. EXPOSE AND VERIFY LOCATION AND ELEVATION OF EACH UTILITY CROSSING AND TIE-IN POINT; NOTIFY CONTRACT ADMINISTRATOR OF ANY CONFLICTS OR DISCREPANCIES.
2. LOCATE ALL EXISTING STORM SERVICE CONNECTIONS OR DRAIN TILES AND RECONNECT THEM TO EW STORM SYSTEM OR NEW INSPECTION CHAMBER AT PL TO MMCD S10.
3. NEW STORM SYSTEM (SEWERS AND MANHOLES) TO BE FLUSHED CLEAN UPON COMPLETION OF INSTALLATION.
4. POST-CONSTRUCTION CCTV INSPECTION REPORTS (PDF AND VIDEO) TO BE PROVIDED TO CONTRACT ADMINISTRATOR.
5. UTILITY TRENCH TO BE AS PER MMCD G4. TRENCH BACKFILL TO BE 75mm CRUSHED GRANULAR SUBBASE COMPACTED TO 95% M.P.D. WITH EACH COMPACTION LIFT NOT EXCEEDING 300mm THICK.
6. UNLESS OTHERWISE NOTED, ALL DRAINAGE SERVICE CONNECTIONS TO BE 150mmØ PVC DR28 SLOPED DOWN AT MIN. 2% FROM PROPERTY LINE (PL) TO NEW STORM SEWER. REFER TO MMCD S8.
7. MINIMUM SLOPE FOR ALL CATCH BASIN LEADS AND LAWN BASIN LEADS TO BE 1%, UNLESS APPROVED OTHERWISE.
8. UNLESS OTHERWISE NOTED, SINGLE CB LEADS TO BE 200mmØ PVC DR35 AND LAWN BASIN LEADS TO BE 150mmØ PVC DR28.



**BUENA VISTA AVENUE**



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**CLIENT**  
 CITY OF WHITE ROCK  
 877 KEIL STREET, WHITE ROCK, BC, V4B 4V6

**DRAWING DESCRIPTION**  
 BUENA VISTA AVENUE BIKE PATH  
 BUENA VISTA AVENUE: JOHNSTON ROAD TO BEST STREET  
 STORM SEWER

**SURVEYED BY** SD  
**DRAWN BY** KFB/SVD  
**DESIGNED BY** NM  
**CHECKED BY** RA

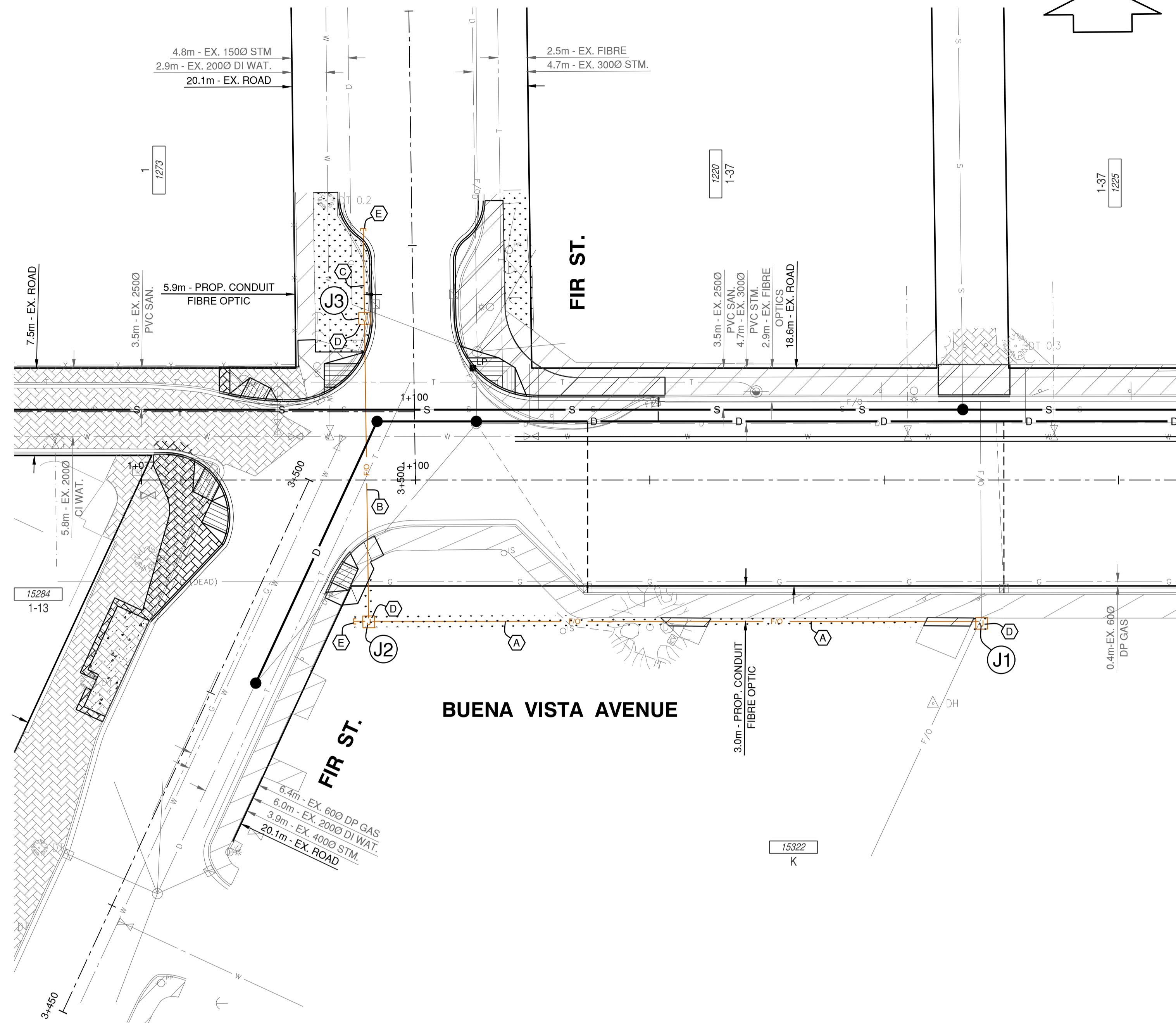
**SCALES**  
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 V 1:50 2m

**DATE** 2023-11-28  
**DRAWING No.** 23-0820-ST1-2  
**SHEET** 11 **OF** 11 **REV.**  
 DESTROY ALL PRINTS BEARING PREVIOUS No.

EGBC PERMIT No. 1001128

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 USER: MWJ018  
 PLOT DATE: 2024-05-15\_16:02:49  
 PLOT BY: MWJ018

**BENCHMARK:**  
 MONUMENT 88H3900 LOCATED AT INTERSECTION  
 OF BUENA VISTA AVENUE AND FIR STREET  
 ELEV. = 82.579m (CVD28GVRD2018)



**CONSTRUCTION NOTES - CONDUITS**

- ALL SPECIFICATIONS FOR CONDUIT, TRENCHING AND JUNCTION BOX SHALL BE AS PER MMCD SECTION 34 41 13.
- FOR CONDUIT TRENCH GENERAL REQUIREMENTS, REFER TO MMCD DRAWING NO. E3.2.
- ALL NEW CONDUITS SHALL BE INSTALLED WITH PULL STRING REMAINING INSIDE THE PIPE.
- ALL CONDUIT BENDS SHALL HAVE A MINIMUM RADIUS OF SWEEP OF 1.0m.
- CONDUIT TRENCH REQUIREMENTS SHALL BE AS PER DETAIL THIS SHEET.

**KEY NOTES - CONDUITS**

- (A) INSTALL 3x50mmØ RPVC CONDUIT (STACK CONDUITS AS REQUIRED TO MINIMIZE TRENCH WIDTH AND SURROUNDING DISTURBANCE)
- (B) INSTALL 2x50mmØ RPVC CONDUIT
- (C) INSTALL 1x50mmØ RPVC CONDUIT
- (D) INSTALL 5686 SERVICE BOX TO A.E. CONCRETE PRECAST PRODUCTS (OR APPROVED EQUAL) WITH COVER MARKED "COMM" PER DETAIL ON THIS SHEET.
- (E) CAP PROPOSED CONDUIT FOR FUTURE CONNECTION.

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CLIENT	<b>CITY OF WHITE ROCK</b> 877 KEIL STREET, WHITE ROCK, BC, V4B 4V6
DRAWING DESCRIPTION	<b>BUENA VISTA AVENUE BIKE PATH        BUENA VISTA AVENUE: JOHNSTON ROAD TO BEST STREET        FIBRE OPTICS</b>

SURVEYED BY	SD
DRAWN BY	KFB/SVD
DESIGNED BY	NM
CHECKED BY	RA

SCALES  
 0 1:250 10m

DATE	2023-11-28
DRAWING No.	<b>23-0820-F1</b>
SHEET 12 OF	REV.
DESTROY ALL PRINTS BEARING PREVIOUS No.	

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