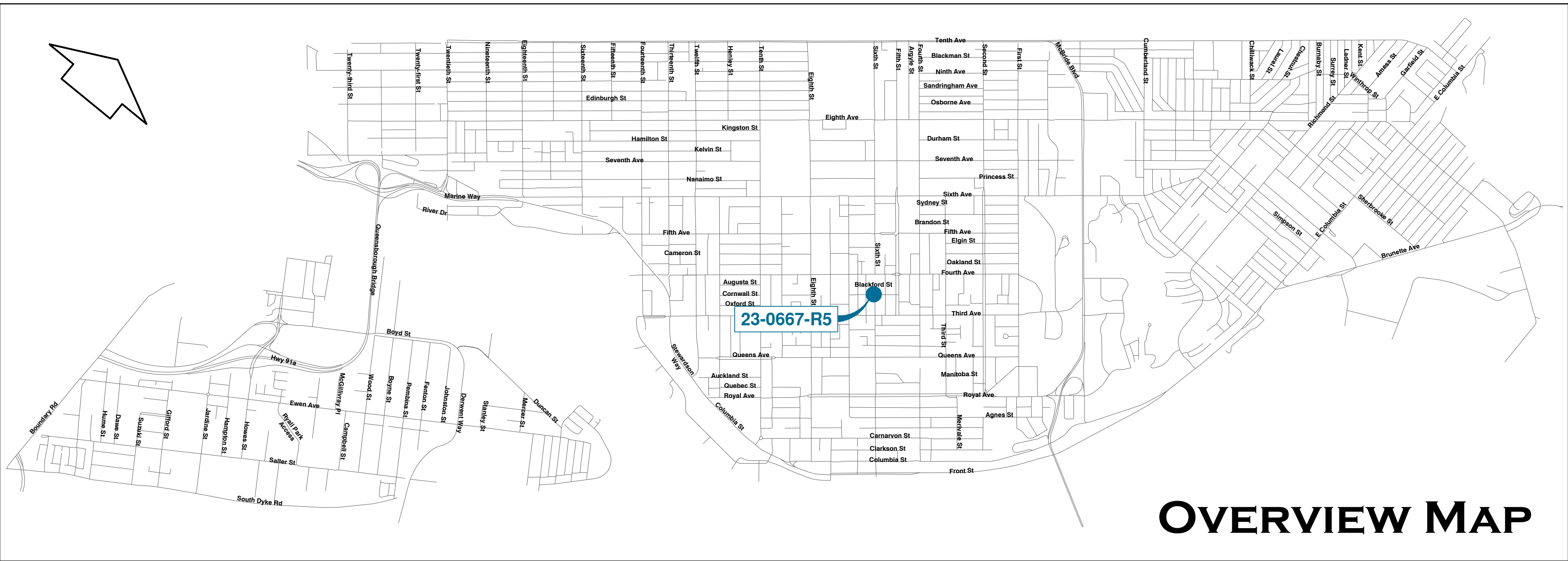


SHEET SET PATH: P:\2020\01-0663\00 - CAD FILES\DWG\SHEET SET\23-02-063 - BLACKBURN CRUST

CITY OF NEW WESTMINSTER
511 ROYAL AVENUE, NEW WESTMINSTER, BC V3L 1H9

TRANSPORTATION DESIGN - CROSSING IMPROVEMENTS

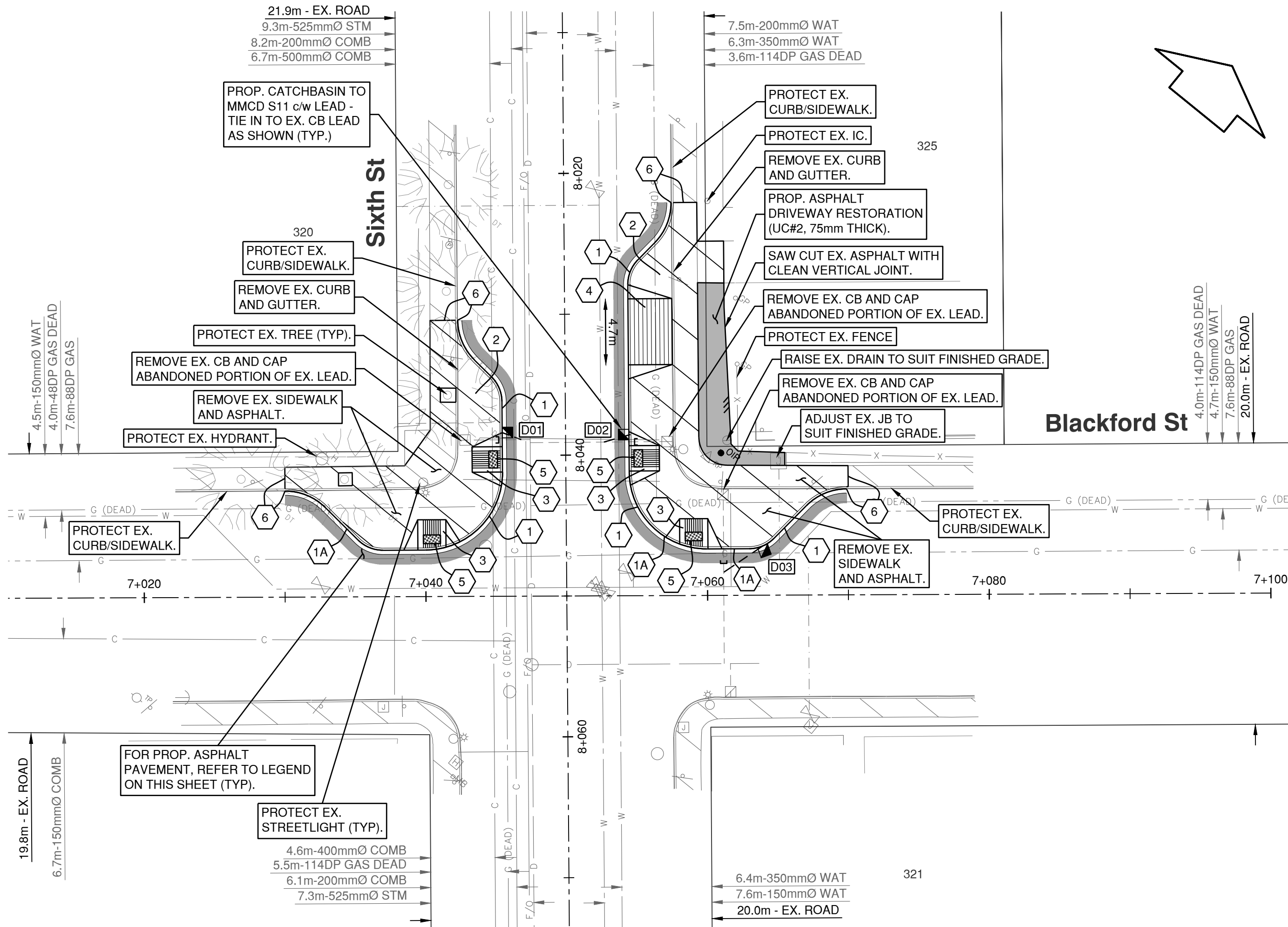
ISSUED FOR CONSTRUCTION



DRAWING INDEX			
DRAWING TYPE	LOCATION	DRAWING No.	SHEET No.
ROADWORKS	SIXTH STREET AND BLACKFORD STREET	23-0238-R5	1
MARKINGS AND SIGNAGE	SIXTH STREET AND BLACKFORD STREET	23-0238-PM5	2

GENERAL NOTES

- ALL WORK, INCLUDING ALL CONSTRUCTION ACTIVITIES AND MATERIALS, SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE MASTER MUNICIPAL CONSTRUCTION DOCUMENTS - PLATINUM EDITION AND THE CITY OF NEW WESTMINSTER'S DESIGN CRITERIA, SUPPLEMENTARY SPECIFICATIONS AND STANDARD DETAIL DRAWINGS. WHERE THERE IS A CONFLICT BETWEEN STANDARDS, AND WHERE NO SPECIFIC REFERENCE HAS BEEN MADE ON THE CONTRACT DRAWINGS, THE MORE STRINGENT STANDARD SHALL GOVERN. THE CONTRACTOR SHALL CONTACT THE CONTRACT ADMINISTRATOR FOR ANY CLARIFICATIONS REQUIRED.
- THE CONTRACTOR SHALL MAINTAIN AT LEAST ONE COPY OF THE ABOVE DOCUMENTS ON SITE AT ALL TIMES AND SHALL PRESENT THEM TO THE CONTRACT ADMINISTRATOR UPON REQUEST.
- THE CONTRACTOR SHALL ENSURE THAT ALL APPROVALS AND/OR PERMITS REQUIRED FOR THE PROPOSED WORKS HAVE BEEN OBTAINED FROM ALL AUTHORITIES AND AGENCIES PRIOR TO THE COMMENCEMENT OF WORK. 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 LOCATIONS AND INVERTS OF ALL UTILITIES.
- 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 THE ISSUED FOR CONSTRUCTION DRAWINGS MUST BE APPROVED BY THE ENGINEER.
- 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 THREE (3) BUSINESS DAYS AFTER ANY TEST CONDUCTED. ANY MATERIAL SUBSTITUTION MUST BE APPROVED BY THE CONTRACT ADMINISTRATOR.
- THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES AND SERVICES SHOWN ARE BASED ON AVAILABLE MUNICIPAL AND/OR THIRD-PARTY AGENCY RECORD DRAWINGS AND GIS INFORMATION PROVIDED BY THE CITY OF NEW WESTMINSTER, AND THE ENGINEER CANNOT BE HELD RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SUCH INFORMATION.
- THE CONTRACTOR SHALL AND MUST VERIFY THE LOCATIONS, INVERTS, AND SIZES OF ALL EXISTING SERVICES, INCLUDING THE TIE-IN POINTS, BY LOCATING AND EXPOSING PRIOR TO THE COMMENCEMENT OF CONSTRUCTION AND SHALL NOTIFY THE CONTRACT ADMINISTRATOR OF ANY DISCREPANCIES, CONFLICTS OR OMISSIONS.
- OPEN TRENCH OPERATIONS IN EXISTING PAVEMENT SHALL BE VERTICAL, AND PAVEMENT SHALL BE RESTORED WITH HOT-MIX ASPHALT AFTER BACKFILLING 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 WRITTEN APPROVAL OF THE CITY OF NEW WESTMINSTER AND FULFILLMENT OF ANY CONDITIONS OF THAT APPROVAL.
- THE CONTRACTOR SHALL EXERCISE EXTREME CAUTION WHEN WORKING NEAR OR AROUND EXISTING UNDERGROUND SERVICES; ANY DISTURBANCE TO EXISTING SERVICES SHALL BE RECTIFIED IMMEDIATELY TO THE SATISFACTION OF THE CITY OF NEW WESTMINSTER OR THE OWNER OF THE UTILITY.
- DISTURBANCE TO ANY LANDSCAPING OR OTHER IMPROVEMENTS SHALL BE RESTORED BY THE CONTRACTOR TO THE SATISFACTION OF THE CITY OF NEW WESTMINSTER AND/OR THE OWNER OF THE DISTURBED ITEM. IN SOME CASES, THE CITY OF NEW WESTMINSTER MAY REQUIRE THE CONTRACTOR TO OBTAIN WRITTEN ACCEPTANCE OF THE RESTORATION FROM THE AFFECTED PROPERTY OWNERS.
- ALL MONUMENTS, POSTS OR IRON PINS DISTURBED OR DESTROYED AS A RESULT OF CONSTRUCTION SHALL BE REPLACED AND RE-SURVEYED AT THE CONTRACTOR'S EXPENSE AND TO THE CITY OF NEW WESTMINSTER'S SATISFACTION.
- ALL EXISTING LIVE SERVICES SHALL BE MAINTAINED OPERATIONAL DURING CONSTRUCTION.
- SUB-GRADE GRANULAR FILL AND GRANULAR BASE MATERIALS SHALL BE COMPACTED TO 95% MODIFIED PROCTOR DENSITY UNLESS OTHERWISE SPECIFIED.
- ALL VALVE BOXES, MANHOLES, AND OTHER UTILITY TOPS SHALL BE ADJUSTED TO FINISHED GRADES.
- LOCATION OF DRIVEWAYS AND CURB RAMPS SHALL BE CONFIRMED IN THE FIELD PRIOR TO THE CONSTRUCTION OF CURBS, GUTTERS AND SIDEWALKS.



BENCHMARK:

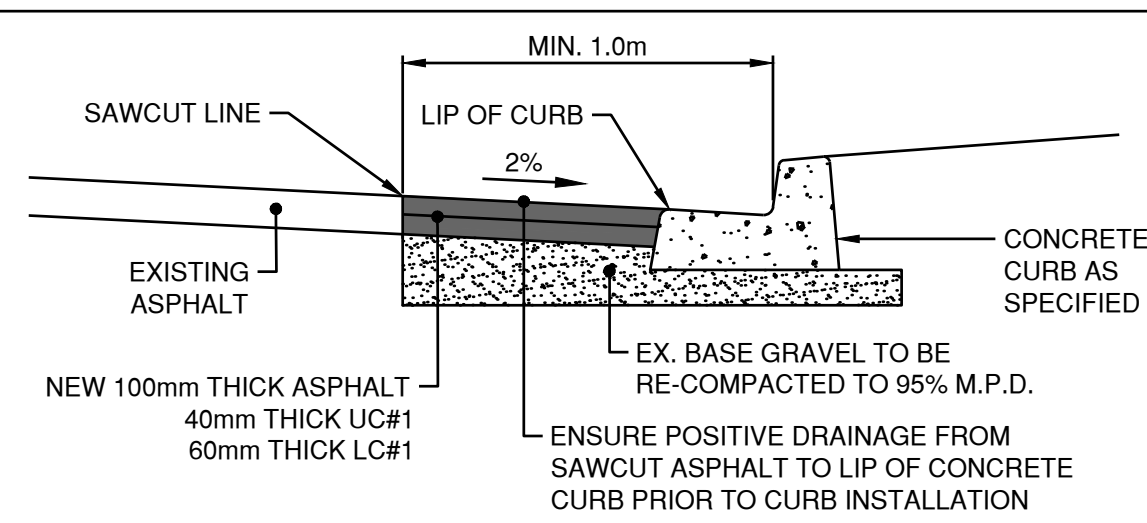
MON. 89H6129 LOCATED NEAR CENTER OF INT. OF 3RD AVE AND 5TH ST. ELEV: 86.725

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 2.0% SLOPE USING 200mmØ PVC SDR35.
- ALL NEW CATCHBASIN GRATES AND COVERS TO CONFORM TO NEW WESTMINSTER SUPPL. DWG. NO. SDS-7.
- INSTALL SEDIMENT CONTROL DONUT (NILEX MEDIUM - PERMEABILITY 0.38 m3/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.
- FOR PROPOSED PAVEMENT MARKING AND SIGNAGE, REFER TO DWG. NO. 23-0667-PM5.

KEY NOTES - ROADWORKS

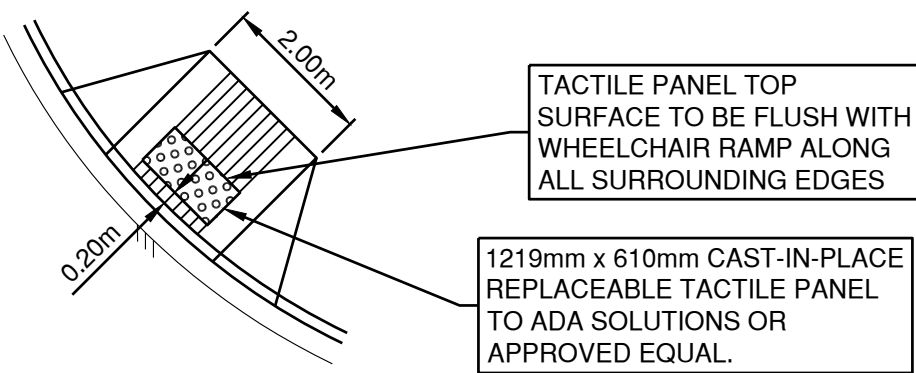
- CONC. BARRIER CURB WITH GUTTER TO MMCD C4.
- CONC. REVERSE BARRIER CURB WITH GUTTER TO MMCD C4.
- 100mm THICK CONC. SIDEWALK TO MMCD C1 c/w 100mm THICK 19mm CRUSHED GRANULAR BASE COMPACTED TO 95% M.P.D.
- CONC. CURB RAMP TO NEW WESTMINSTER SUPPL. DWG. NO. SDR-14
- 200mm THICK CONC. DRIVEWAY LETDOWN TO NEW WESTMINSTER SUPPL. DWG. NO. SDR-16 c/w 100mm THICK 19mm CRUSHED GRANULAR BASE COMPACTED TO 95% M.P.D.
- TACTILE PANEL TO DETAIL ON THIS SHEET
- MEET EX. CONC. CURB OR SIDEWALK



ASPHALT SAWCUT/CURB DETAIL
N.T.S.

Curve Table

Curve #	Length	Radius	Delta	BC N/E	EC N/E
CR1	3.161	4.000	45° 16' 59"	5452919.074/506327.069	5452918.175/506324.124
CR2	1.972	2.500	45° 12' 08"	5452918.750/506330.339	5452919.310/506332.177
CR3	8.659	5.500	90° 12' 08"	5452921.211/506334.498	5452928.966/506335.253
CR4	1.963	2.500	44° 59' 58"	5452932.822/506332.070	5452933.719/506330.380
CR5	3.142	4.000	45° 00' 15"	5452935.317/506325.985	5452933.881/506328.690
CR6	3.146	4.000	45° 03' 52"	5452948.430/506333.378	5452951.360/506332.478
CR7	1.963	2.500	44° 59' 59"	5452946.723/506333.215	5452944.894/506333.776
CR8	8.620	5.500	89° 47' 52"	5452934.641/506342.239	5452933.889/506349.966
CR9	1.955	2.500	44° 47' 52"	5452935.790/506352.287	5452937.471/506353.183
CR10	3.156	4.000	45° 12' 48"	5452943.443/506354.963	5452940.734/506353.507



NOTES

- TACTILE PANEL SURFACE TO REMAIN CLEAN DURING INSTALLATION
- CONCRETE SLUMP RANGE TO BE 100mm-150mm AT PANEL INSTALLATION TO ALLOW SOLID PLACEMENT
- PLACE LONG EDGE OF PANEL ALONG BACK OF CURB AND VERIFY PROPER ORIENTATION BEFORE LAYING PANEL DOWN - MAINTAIN 200mm BETWEEN PANEL AND BACK OF CURB AT MIDDLE OF LETDOWN.
- USE RUBBER MALLET AND SCRAP PIECE OF WOOD TO UNIFORMLY TAMP PANEL FROM ONE END TO ANOTHER TO ALLOW TRAPPED AIR ESCAPE - DO NOT STRIKE PANEL DIRECTLY WHILE TAMPING.

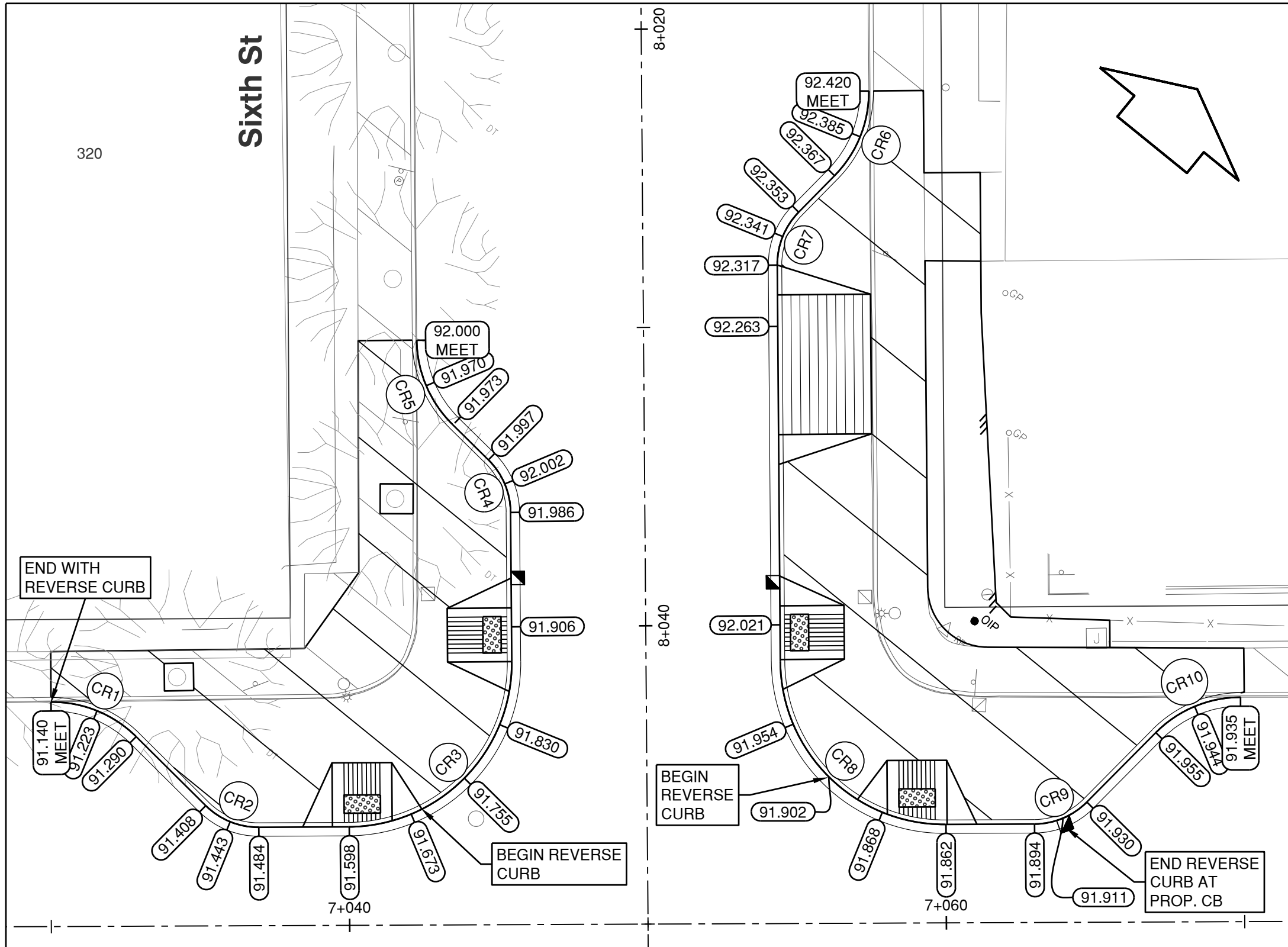
TACTILE PANEL DETAIL
N.T.S.

LEGEND

- REMOVE EX. ASPHALT AND INSTALL NEW ASPHALT PAVEMENT. REFER TO 'ASPHALT SAWCUT/CURB DETAIL' ON THIS SHEET
- RESTORE WITH 150mm THICK TOP SOIL AND SOD.

CATCH BASIN TABLE

NUMBER	DESCRIPTION	LOCATION OF CATCHBASIN	RIM ELEV.
D01	Catch Basin - Top Inlet - Edge	STA. 8+038.365 o/s 4.500	91.94
D02	Catch Basin - Top Inlet - Edge	STA. 8+038.575 o/s -4.500	92.05
D03	Catch Basin - Top Inlet - Edge	STA. 0+037.715 o/s 0.002	91.91



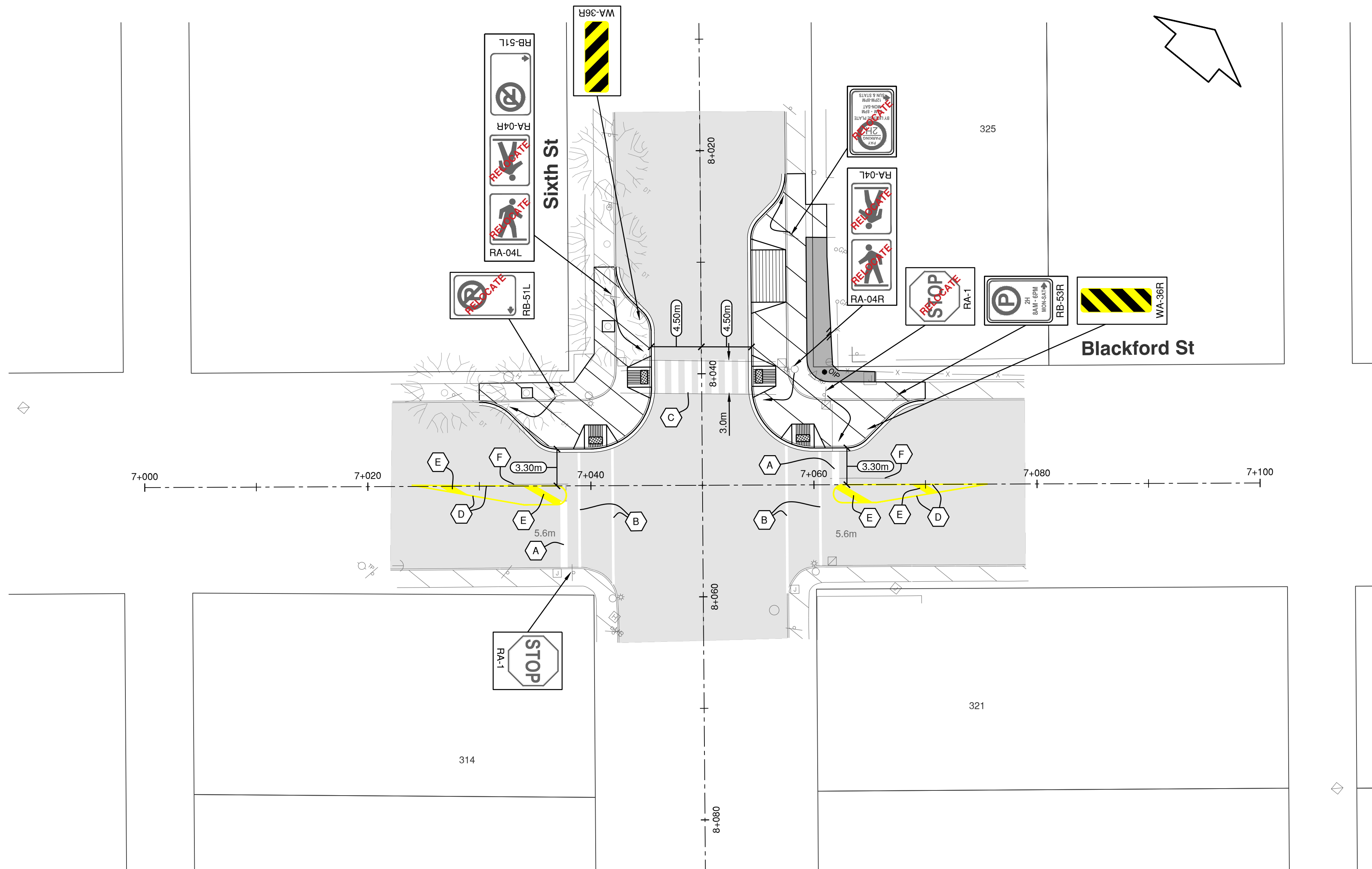
BENCHMARK:
MON. 89H6129 LOCATED NEAR CENTER
OF INT. OF 3RD AVE AND 5TH ST.
ELEV. 86.725

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.

KEY NOTES - PAVEMENT MARKING

- A STOP WHITE TRANSVERSE BAR (600mm WIDE) AS PER FIGURE 7.2 OF BC MOTI MSTSPM (2000)
- B CROSSWALK WHITE TRANSVERSE PARALLEL (300mm WIDE) AS PER FIGURE 7.2 OF BC MOTI MSTSPM (2000)
- C CROSSWALK WHITE ZEBRA (600mm WIDE) AS PER FIGURE 7.2 OF BC MOTI MSTSPM (2000)
- D SOLID DIRECTIONAL DIVIDING YELLOW LONGITUDINAL LINE (100mm WIDE) AS PER FIGURE 7.1 OF BC MOTI MSTSPM (2000)
- E MEDIAN YELLOW HATCH (600mm WIDE LINES, TYP. 10m SPACING) AS PER FIGURE 7.7 OF BC MOTI MSTSPM (2000)
- F ERADICATE EX. PAVEMENT MARKING.



ISSUED FOR CONSTRUCTION

CLIENT PROJ. No:	NWIT-
BINNIE PROJ. No:	23-0667
SEAL	R.F. BINNIE & ASSOCIATES LTD. PERMIT TO PRACTICE 1001128

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

CLIENT
CITY OF NEW WESTMINSTER 511 ROYAL AVENUE, NEW WESTMINSTER, BC V3L 1H9

DRAWING DESCRIPTION
TRANSPORTATION DESIGN - CROSSING IMPROVEMENTS SIXTH STREET AND BLACKFORD STREET MARKINGS AND SIGNAGE

DATE	2023-10-03
DRAWING No.	23-0667-PM5
SHEET 2 OF 2	REV. 3
DESTROY ALL PRINTS BEARING PREVIOUS No.	