



Sample Reviewed Drawing Set

An AI pass over three sheets of a fictional municipal servicing set.

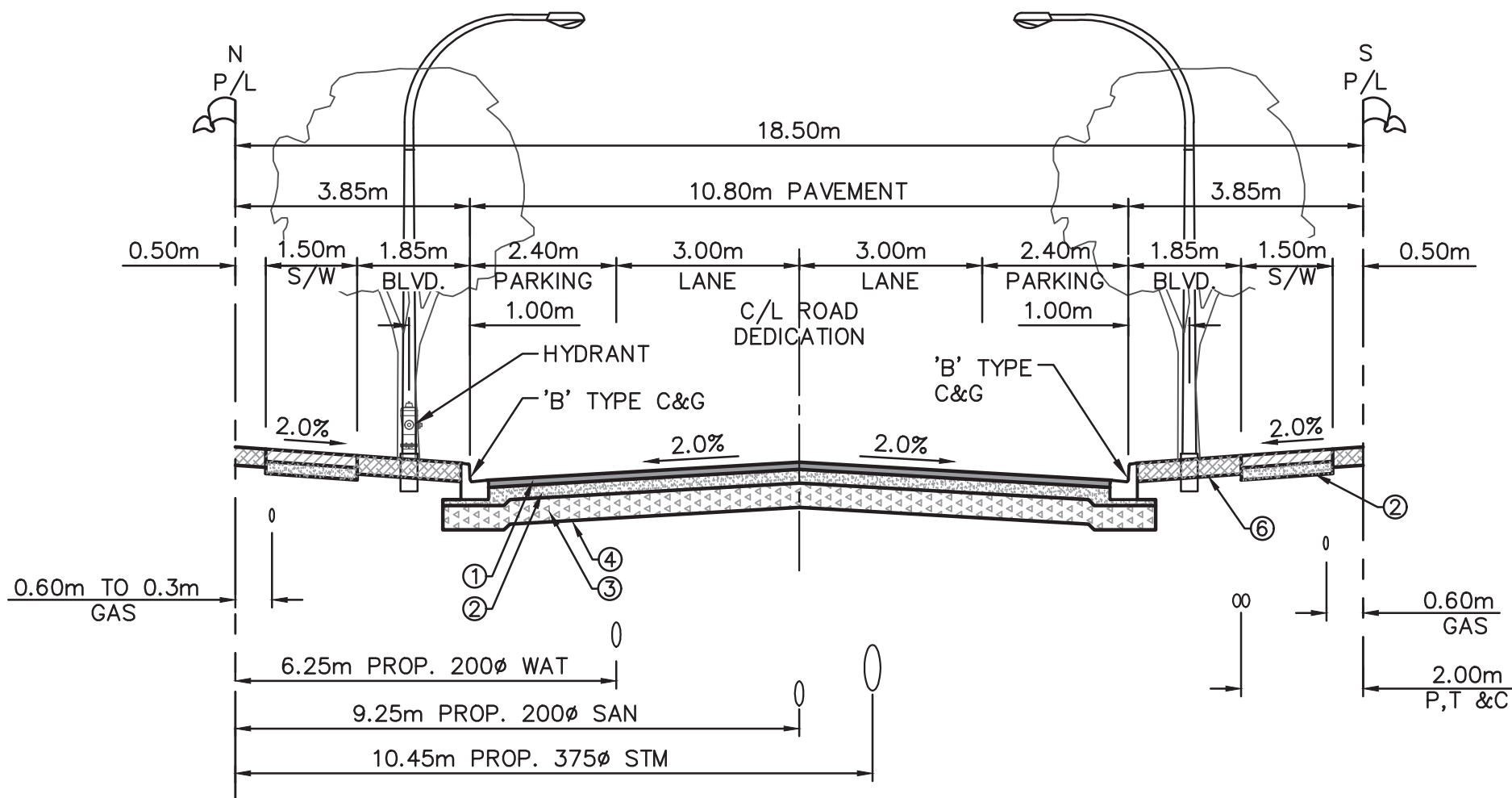
QualRivu read the set against a municipal design standard and recorded 85 checks on these three sheets. Each one is pinned where it occurs on the sheet and cited to the clause it tests. Green pins are findings flagged as compliant, orange pins are warnings, while red pins are violations. Open the Comments pane in a PDF reader to list them all and read each finding in full.

This is a rough audit.

The notes are the AI pass alone. They have not been verified by a licensed engineer, and the drawings are a fictional sample rather than a real project. In a live review every finding is checked, accepted, rejected or discussed by the reviewer, who holds the determination.

3 sheets · 85 checks · every one cited to a clause

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"B" AVENUE TYPICAL CROSS SECTION

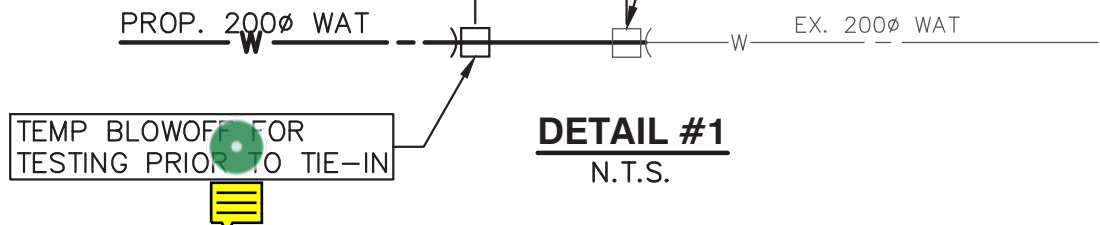
- ROAD STRUCTURE: "B" AVENUE
- 35mm OF UPPER COURSE#2 ASPHALT
50mm OF LOWER COURSE#2 ASPHALT
 - 100mm OF 19mm MINUS CRUSHED GRAVEL
GRANULAR BASE COURSE
 - 200mm OF 75mm MINUS PIT RUN SAND AND GRAVEL
GRANULAR SUB-BASE COURSE
 - APPROVED SUBGRADE, COMPACTED TO NOT LESS THAN
95% MPMD AS PER THE GEOTECHNICAL REPORT
 - 100mm CONCRETE SIDEWALK
 - MINIMUM 150mm TOPSOIL AND SOD BOULEVARD

SOILS REPORT

DATE _____
BY _____

WATERMAIN NOTES:

- TIE-IN TO BE COMPLETED BY TOWNSHIP OF ALLEGAN FORCES AT OWNER'S COST.
- ONSITE WATER SYSTEM TO PASS PRESSURE AND BACTERIOLOGICAL TESTING BEFORE CONNECTION IS MADE TO EXISTING WATER SYSTEM.
- NEW WATERMAIN TO BE INSTALLED TO WITHIN 2.0m OF EXISTING WATERMAIN AT CONNECTION LOCATION.
- CONTRACTOR TO ENSURE NEW WATERMAIN ELEVATION MATCHES EXISTING WATERMAIN ELEVATION AT CONNECTION LOCATION.
- CONTRACTOR TO EXPOSE AND CONFIRM ELEVATION AND OFFSET OF ALL UTILITIES BETWEEN NEW WATERMAIN AND EXISTING WATERMAIN AT CONNECTION LOCATION.
- NO THRUST BLOCKS BETWEEN NEW WATERMAIN AND EXISTING WATERMAIN AT CONNECTION LOCATION. ROD AND RESTRAIN AND/OR USE REVERSE THRUST BLOCKS.
- NEW HYDRANT SERVICED BY TOWNSHIP OF ALLEGAN AT OWNER'S EXPENSE.
- NO THRUST BLOCK BEHIND BLOW-OFFS, HYDRANT AND STUBS FOR FUTURE USE. ROD & RESTRAIN AND/OR USE REVERSE THRUST BLOCK.
- USE CERTANTEED COUPLINGS FOR ALL BENDS LESS THAN 3'.

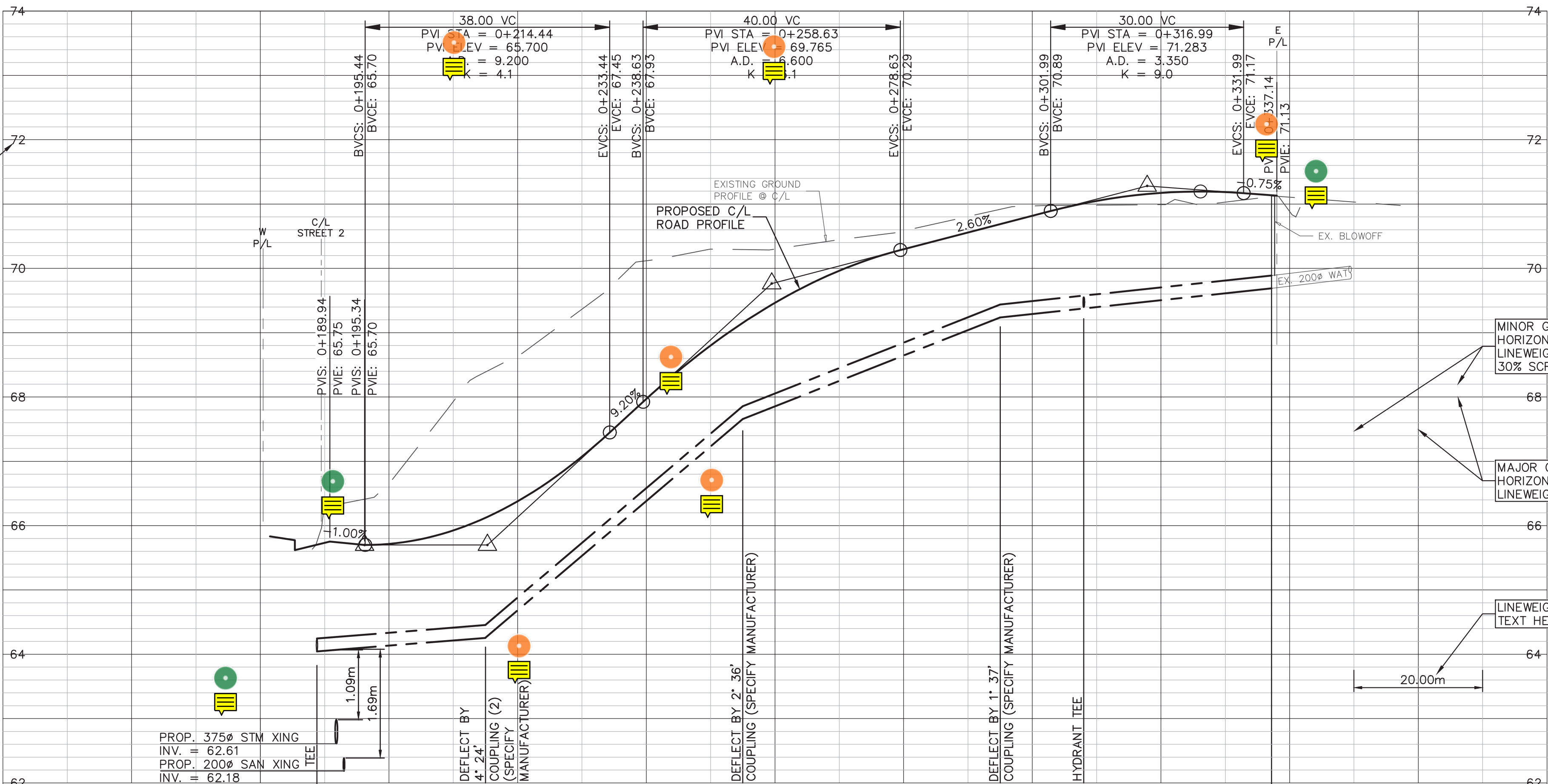


LINEWEIGHT 0.300
TEXT HEIGHT 3.60

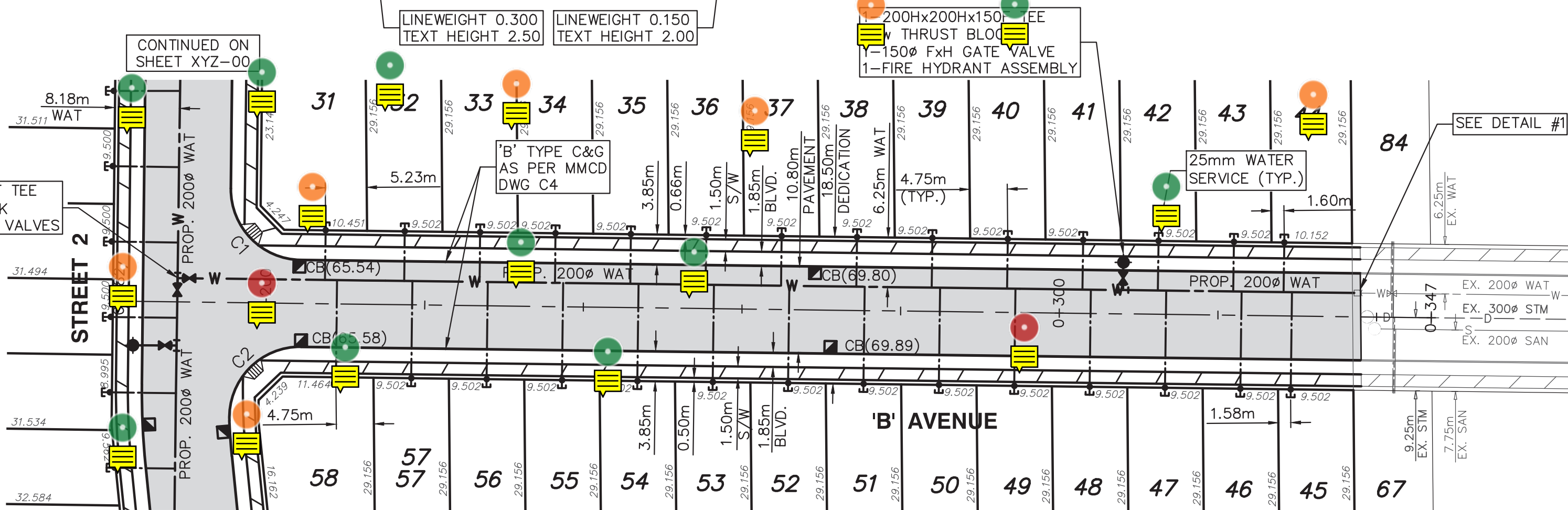
EXISTING BLOW-OFF TO BE REMOVED;
WATER TIE IN BY TOWNSHIP OF
ALLEGAN FORCES AT OWNER'S COST.
TOWNSHIP OF ALLEGAN TO SUPPLY:
2-200mm FIELD COUPLING (TOWNSHIP
OF ALLEGAN PROVIDES ALL MATERIALS
FOR TIE-IN AT OWNER'S COST)

1-200Fx200Hx200F TEE
C/W THRUST BLOCK
2-200mm FxH GATE VALVES

CURB RETURN TABLE												
SEGMENT	BC STA.	BC O/S	EC STA.	EC O/S	LENGTH	RADIUS	DELTA	TANGENT	CHORD	BC ELEV	¼ ELEV	¾ ELEV
C1	3+094.29	5.40 R	0+204.31	5.40 L	14.12	9.00	89°53'24"	8.98	12.72	65.15	65.43	65.57
C2	3+064.69	5.40 R	0+204.48	5.40 R	14.65	9.00	93°17'46"	9.53	13.09	66.29	66.23	65.69



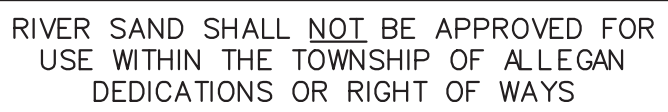
BACKFILL & BEDDING NOTE												
ROAD CENTERLINE ELEVATIONS	65.73	66.43	68.05	69.51	70.32	70.84	71.18	70.88				
WATERMAIN LENGTH, SIZE, TYPE & GRADE	26.19m-200mm PVC DR 18 WAT @ 0.80%	40.00m-200mm PVC DR 18 WAT @ 8.50%	40.00m-200mm PVC DR 18 WAT @ 3.95%	42.14m-200mm PVC DR 18 WAT @ 1.07%								
WATERMAIN INVERT ELEVATIONS	64.04	64.26	67.66	69.24	69.37	69.69						
CHAINAGE	0+180	0+188.81	0+200	0+215	0+220	0+240	0+255	0+260	0+280	0+295	0+300	0+308



RIVER SAND SHALL NOT BE APPROVED FOR
USE WITHIN THE TOWNSHIP OF ALLEGAN
DEDICATIONS OR RIGHT OF WAYS

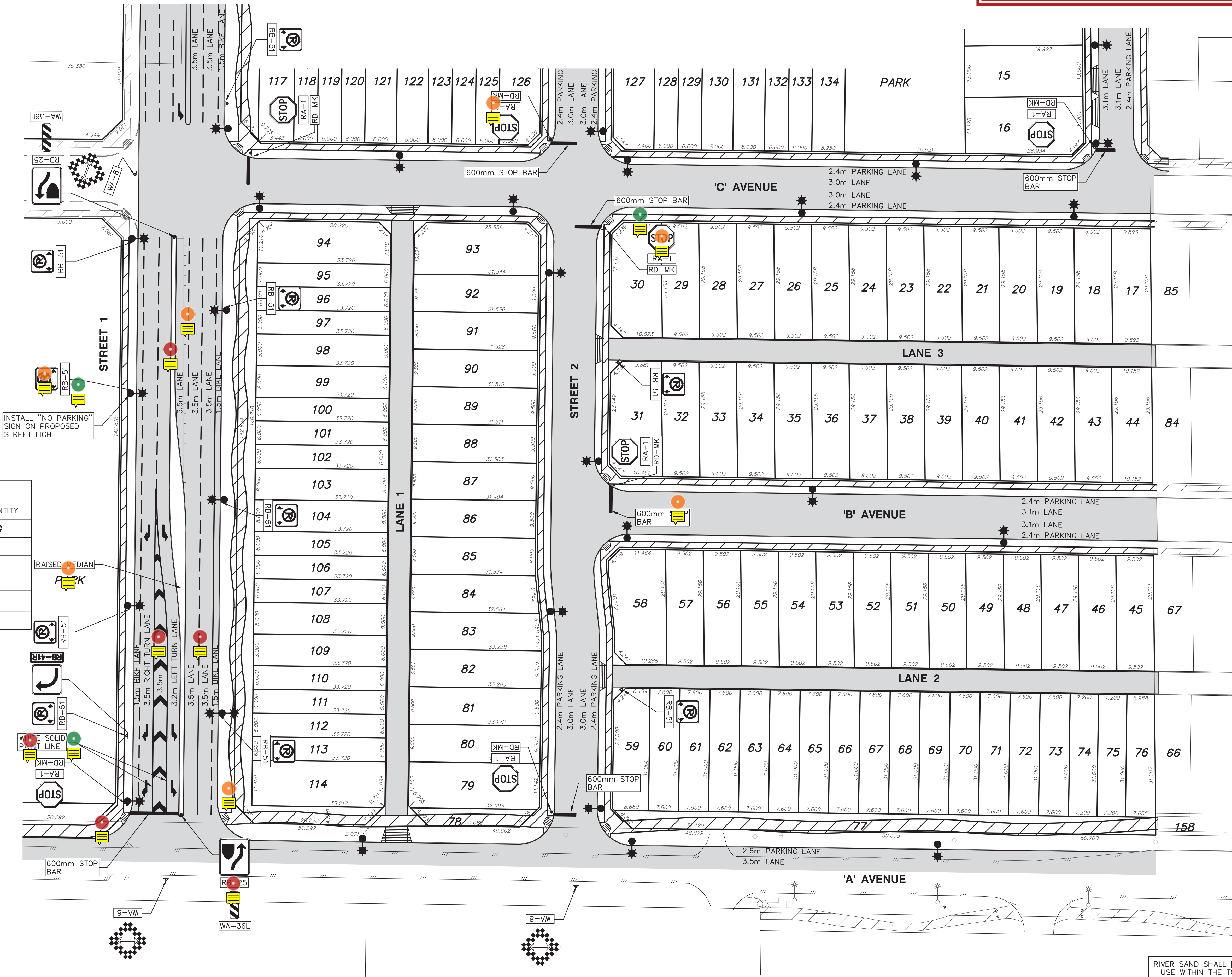
MUNICIPAL PROJECT No. xx-xx-xxxx

NOTES		BENCHMARK	XYZ	OWNER	OWNER'S ENGINEER	SEAL	I, _____, PROFESSIONAL ENGINEER, IN GOOD STANDING IN AND FOR THE PROVINCE OF BRITISH COLUMBIA, HEREBY CERTIFY THAT THE WORKS IN HEREIN SET OUT ON THE ATTACHED DRAWINGS HAVE BEEN DESIGNED TO GOOD ENGINEERING PRACTICE AND IN COMPLIANCE WITH THE TOWNSHIP OF ALEGAN SUBDIVISION AND DEVELOPMENT CONTROL BYLAW, EXCEPT AS NOTED BELOW.	No	Date	REVISIONS	PLAN & PROFILE	ROADWORKS AND WATERWORKS "B" AVENUE EAST OF STREET 2 ADDRESS (TYP.)								
CONTRACTOR TO CONTACT TELUS, BC HYDRO, FORTISBC AND BC ONE CALL PRIOR TO CONSTRUCTION TO CONFIRM LOCATIONS OF UTILITIES AND APPURTENANCES REQUIRING ADJUSTMENT.			XYZ	XYZ LOGO	XYZ	XYZ LOGO						DESIGN BY	XYZ <th>DRAWN</th> <td>XYZ<th>APPROVED</th><td>XYZ<th>DATE</th><td>XYZ<th>SCALE:</th><td>HORIZ. 1:500 VERT. 1:50</td><th>DESIGN FILE No.</th><td>PLAN No.</td><th>AS BUILT No.</th><th>SHEET No.</th><th>REV.</th></td></td></td>	DRAWN	XYZ <th>APPROVED</th> <td>XYZ<th>DATE</th><td>XYZ<th>SCALE:</th><td>HORIZ. 1:500 VERT. 1:50</td><th>DESIGN FILE No.</th><td>PLAN No.</td><th>AS BUILT No.</th><th>SHEET No.</th><th>REV.</th></td></td>	APPROVED	XYZ <th>DATE</th> <td>XYZ<th>SCALE:</th><td>HORIZ. 1:500 VERT. 1:50</td><th>DESIGN FILE No.</th><td>PLAN No.</td><th>AS BUILT No.</th><th>SHEET No.</th><th>REV.</th></td>	DATE	XYZ <th>SCALE:</th> <td>HORIZ. 1:500 VERT. 1:50</td> <th>DESIGN FILE No.</th> <td>PLAN No.</td> <th>AS BUILT No.</th> <th>SHEET No.</th> <th>REV.</th>	SCALE:
LEGAL		XYZ					EXCEPTIONS: _____									XYZ-	XYZ-	of XX		



SANITARY AND STORM SEWER "B" AVENUE EAST OF STREET 2 ADDRESS (TYP.)	
DESIGN FILE No	PLAN No XYZ-
AS BUILT No. XYZ-	SHEET NO. of XX RE

NOTES		BENCHMARK LEGAL	XYZ	OWNER	OWNER'S ENGINEER	SEAL	_____, PROFESSIONAL ENGINEER IN GOOD STANDING IN AND FOR THE PROVINCE OF BRITISH COLUMBIA, HEREBY CERTIFY THAT THE WORKS IN HEREIN SET OUT ON THE ATTACHED DRAWINGS HAVE BEEN DESIGNED TO GOOD ENGINEERING PRACTICE AND IN COMPLIANCE WITH THE TOWNSHIP OF ALLEGAN SUBDIVISION AND DEVELOPMENT CONTROL BYLAW, EXCEPT AS NOTED BELOW. EXCEPTIONS: _____	No	Date	REVISIONS	PLAN & PROFILE	DESIGN BY: XYZ
CONTRACTOR TO CONTACT TELUS, BC HYDRO, FORTISBC AND BC ONE CALL PRIOR TO CONSTRUCTION TO CONFIRM LOCATIONS OF UTILITIES AND APPURTENANCES REQUIRING ADJUSTMENT.			XYZ	XYZ	XYZ							DRAWN BY: X
												APPROVED BY: X
												DATE: XYZ
												SCALE: HORIZ. 1:500 VERT. 1:50



INSTALL "NO PARKING" SIGN ON PROPOSED STREET LIGHT

SIGN SCHEDULE		
SIGN TYPE	MUTCD #	QUANTITY
SIGN # "DESCRIPTION"		#

RIVER SAND SHALL NOT BE APPROVED FOR USE WITHIN THE TOWNSHIP OF ALLEGAN DEDICATIONS OR RIGHT OF WAYS

MUNICIPAL PROJECT No. xx-xx-xxxx

NOTES		OWNER		OWNER'S ENGINEER		DESIGNER		PAVEMENT MARKING AND SIGNAGE PLAN	
CONTRACTOR TO CONTACT TELUS, BC HYDRO, FORTISBC AND BC ONE CALL PRIOR TO CONSTRUCTION TO CONFIRM LOCATIONS OF UTILITIES AND APPURTENANCES REQUIRING ADJUSTMENT.		XYZ xyz		XYZ xyz		DESIGN BY: XYZ DRAWN BY: XYZ APPROVED: XYZ DATE: XYZ SCALE: HORIZ. 1:500 VERT. N/A		ADD (TYP.)	
LEGAL		LOGO		LOGO		PLAN No. XYZ-		DESIGN FILE No.	
								AS BUILT No. XYZ-	
								SHEET No. of XX	
								REV.	