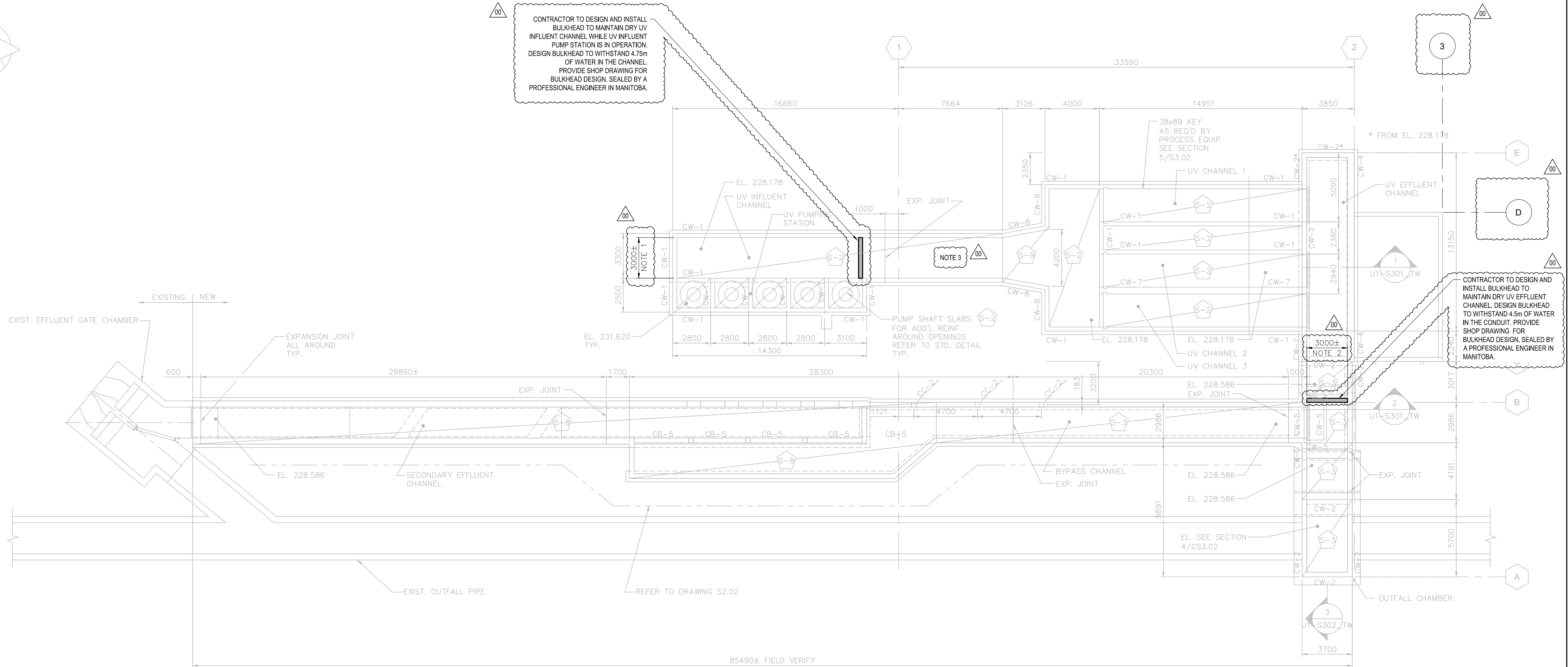




PLAN ABOVE ELEVATION 231.620
SCALE: 1:150

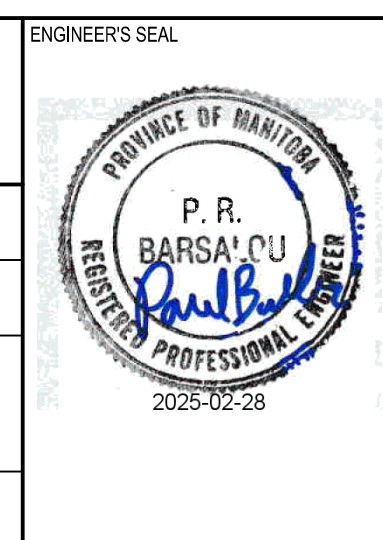
NOTES

- CHANNEL DIMENSION APPROXIMATE. CONTRACTOR TO ADJUST BULKHEAD TO SUIT ACTUAL CHANNEL DIMENSIONS.
- CONDUIT DIMENSION APPROXIMATE. CONTRACTOR TO ADJUST BULKHEAD TO SUIT ACTUAL CONDUIT DIMENSIONS.
- CONTRACTOR TO PROVIDE TEMPORARY PUMPING TO FULLY DRAIN UV INFLUENT CHANNEL THROUGH THE UV CHANNELS. DEPTH OF WATER IN THE UV INFLUENT CHANNEL WILL BE APPROXIMATELY 2.5m.
- CONTRACTOR MAY ADD ADDITIONAL BULKHEADS AT THEIR OPTION AND NO ADDITIONAL COST TO THE OWNER. PROVIDE SHOP DRAWINGS FOR ANY ADDITIONAL BULKHEADS, SEALED BY A PROFESSIONAL ENGINEER IN MANITOBA.
- CONTRACTOR TO REMOVE TEMPORARY BULKHEADS AFTER TWO UV CHANNELS ARE READY FOR OPERATION. REPAIR ANY DAMAGE TO THE CONCRETE STRUCTURES UPON REMOVAL OF THE BULKHEADS. PATCH WITH EPOXY GROUT.

**ENGINEERS
GEOSCIENTISTS
MANITOBA**
Certificate of Authorization
AECOM Canada ULC
No. 4671

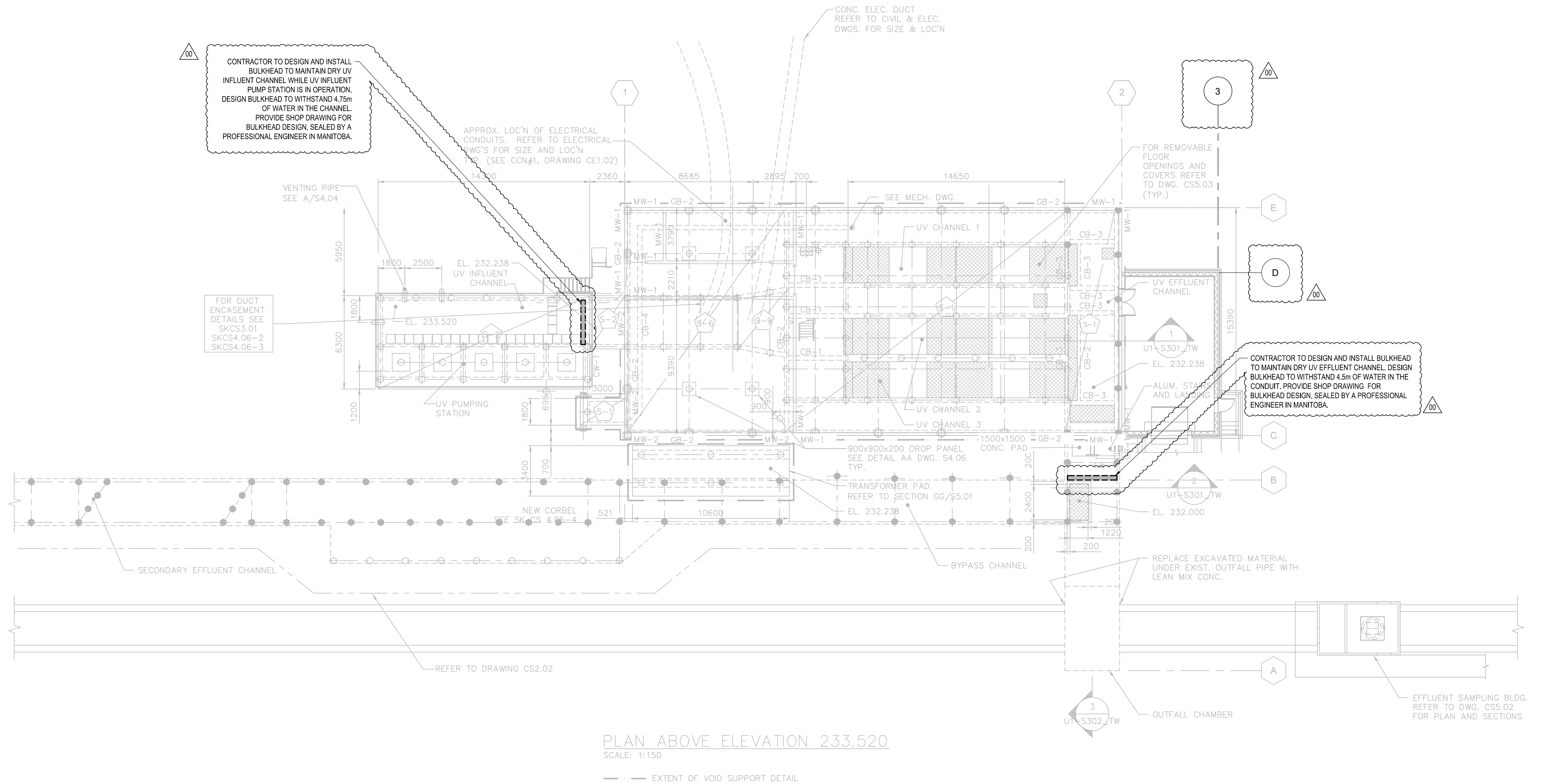
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DESIGNED BY: IG	CHECKED BY: PB
DRAWN BY: ES	APPROVED BY: NW
SCALE: NONE	RELEASED FOR CONSTRUCTION BY:
DATE: 2017-02-22	DATE:
CONSULTANT NO.: U1-S101_TW	



TENDER NO. 30-2025			
THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT			
NORTH END SEWAGE TREATMENT PLANT NEWPCC UV UPGRADES - TEMPORARY WORKS STRUCTURAL PLAN ABOVE ELEVATION 231.620			
CITY DRAWING NUMBER	SHEET	REV.	SIZE
-	-	00	A1

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PLAN ABOVE ELEVATION 233.520
SCALE: 1:150

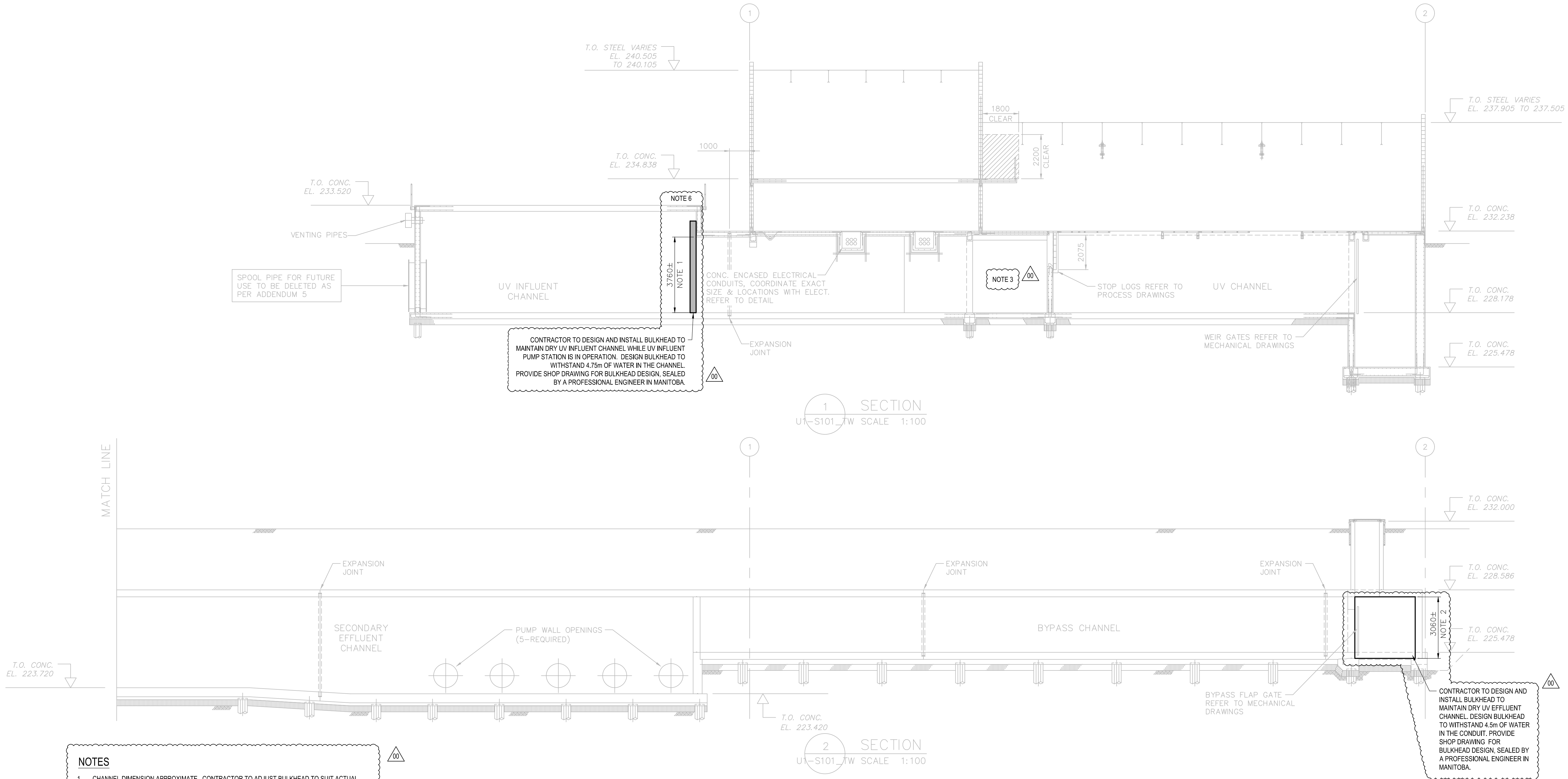
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									NORTH END SEWAGE TREATMENT PLANT NEWPCC UV UPGRADES - TEMPORARY WORKS STRUCTURAL PLAN ABOVE ELEVATION 233.520					
					DESIGNED BY: IG	CHECKED BY: PB								
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					CONSULTANT NO.: U1-S102_TW									
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TENDER NO. 30-2025

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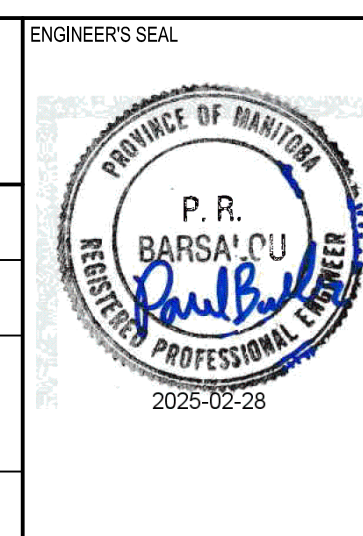
NOTES

- CHANNEL DIMENSION APPROXIMATE. CONTRACTOR TO ADJUST BULKHEAD TO SUIT ACTUAL CHANNEL DIMENSIONS.
- CONDUIT DIMENSION APPROXIMATE. CONTRACTOR TO ADJUST BULKHEAD TO SUIT ACTUAL CONDUIT DIMENSIONS.
- CONTRACTOR TO PROVIDE TEMPORARY PUMPING TO FULLY DRAIN UV INFLUENT CHANNEL THROUGH THE UV CHANNELS. DEPTH OF WATER IN THE UV INFLUENT CHANNEL WILL BE APPROXIMATELY 2.5m.
- CONTRACTOR MAY ADD ADDITIONAL BULKHEADS AT THEIR OPTION AND NO ADDITIONAL COST TO THE OWNER. PROVIDE SHOP DRAWINGS FOR ANY ADDITIONAL BULKHEADS, SEALED BY A PROFESSIONAL ENGINEER IN MANITOBA.
- CONTRACTOR TO REMOVE TEMPORARY BULKHEADS AFTER TWO UV CHANNELS ARE READY FOR OPERATION. REPAIR ANY DAMAGE TO THE CONCRETE STRUCTURES UPON REMOVAL OF THE BULKHEADS. PATCH WITH EPOXY GROUT.
- CONTRACTOR MAY CUT THROUGH THE UV INFLUENT CHANNEL ROOF TO IMPROVE ACCESS FOR BULKHEAD INSTALLATION AND REMOVAL AT THEIR COST. SUBMIT THE ACCESS DESIGN, INCLUDING ANY REQUIRED NEW STRUCTURAL REINFORCEMENT, AND CHECKERPLATE COVER DESIGN FOR REVIEW BY CONTRACT ADMINISTRATOR PRIOR TO PERFORMING ANY CUTTING. DESIGN TO BE SEALED BY A PROFESSIONAL ENGINEER IN MANITOBA.



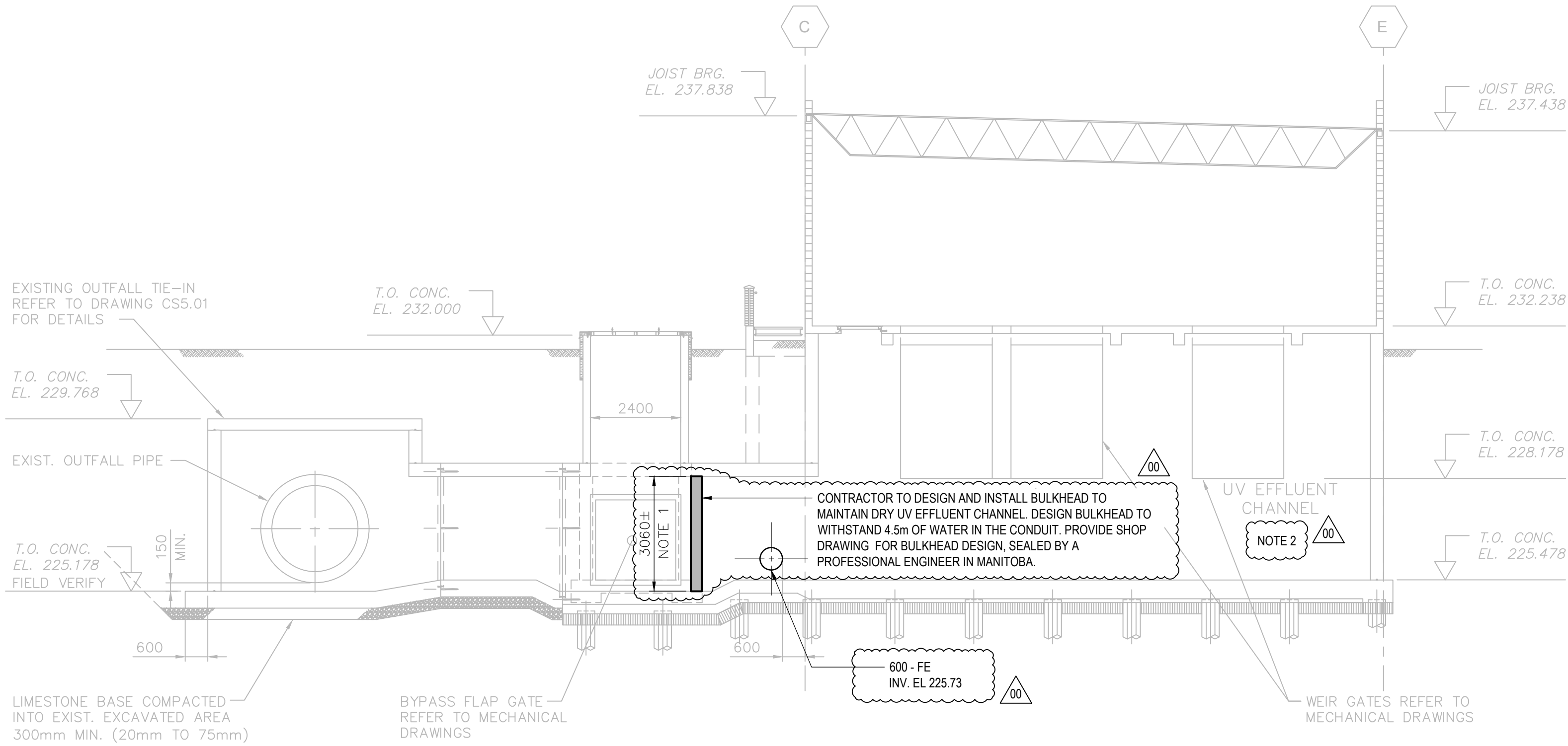
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SCALE:	NONE	RELEASED FOR CONSTRUCTION BY:	
DATE:	2017-02-22	DATE:	
CONSULTANT NO.:	U1-S301_TW		



THE CITY OF WINNIPEG			
WATER AND WASTE DEPARTMENT			
NORTH END SEWAGE TREATMENT PLANT NEWPCC UV UPGRADES - TEMPORARY WORKS STRUCTURAL BUILDING SECTIONS SHEET 1 OF 2			
CITY DRAWING NUMBER	-	SHEET	REV. SIZE
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TENDER NO. 30-2025



3 SECTION
U1-S101_TW SCALE 1:100

NOTES

- CONDUIT DIMENSION APPROXIMATE. CONTRACTOR TO ADJUST BULKHEAD TO SUIT ACTUAL CONDUIT DIMENSIONS.
- CONTRACTOR TO PROVIDE TEMPORARY PUMPING ACROSS THE BULKHEAD TO FULLY DRAIN THE UV EFFLUENT CHANNEL OR SET UP TEMPORARY BLOCK AND PUMPING TO DRAIN UV EFFLUENT CHANNEL PRIOR TO BULKHEAD INSTALLATION. TEMPORARY BLOCKS MUST BE REMOVED AFTER BULKHEAD IS INSTALLED. CHANNEL WATER LEVEL IS GOVERNED BY FLOW THROUGH THE OUTFALL. FLOW THROUGH THE OUTFALL IS LOWEST OVERNIGHT. SHORT TERM (4 HOURS) PLANT SHUTDOWNS OVERNIGHT CAN BE ACCOMMODATED TO ASSIST WITH TEMPORARY BULKHEAD AND/OR TEMPORARY BLOCK INSTALLATION.
- CONTRACTOR MAY ADD ADDITIONAL BULKHEADS AT THEIR OPTION AND NO ADDITIONAL COST TO THE OWNER. PROVIDE SHOP DRAWINGS FOR ANY ADDITIONAL BULKHEADS, SEALED BY A PROFESSIONAL ENGINEER IN MANITOBA.
- CONTRACTOR TO REMOVE TEMPORARY BULKHEADS AFTER TWO UV CHANNELS ARE READY FOR OPERATION. REPAIR ANY DAMAGE TO THE CONCRETE STRUCTURES UPON REMOVAL OF THE BULKHEADS. PATCH WITH EPOXY GROUT.



				AECOM	
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				DATE: 2017-02-22	DATE:
				CONSULTANT NO.: U1-S302_TW	
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TENDER NO. 30-2025			THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT		
			NORTH END SEWAGE TREATMENT PLANT NEWPCC UV UPGRADES - TEMPORARY WORKS STRUCTURAL BUILDING SECTIONS SHEET 2 OF 2		
CITY DRAWING NUMBER		-	SHEET	REV.	SIZE
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