

LEGEND

	PROPOSED CURB
	PROPOSED DEPRESSED CURB
	PROPOSED WATERMAIN AND DIAMETER
	PROPOSED VALVE LOCATION
	PROPOSED BEND AND THRUSTBLOCK 11.25°, 22.5°, 45° or TEE
	PROPOSED WATER METER / REMOTE METER
	PROPOSED FENCE
	PROPOSED GUARD RAIL
	THERMAL INSULATION
	RIP-RAP PER OPSD 810.010
	BENCHMARK LOCATION

	PROPOSED SIAMESE CONNECTION
	PROPOSED CAP
	PROPOSED SANITARY MANHOLE & SEWER
	PROPOSED CATCHBASIN MANHOLE & SEWER
	PROPOSED OIL / GRIT SEPARATOR UNIT
	PROPOSED STORM MANHOLE & SEWER
	PROPOSED AREA DRAIN
	PROPOSED BUILDING ENTRANCE
	REMOVALS
	MANHOLE TO BE ABANDONED AS PER SEWER NOTE #6

	EXISTING CURB
	EXISTING WATERMAIN
	EXISTING VALVE & VALVE BOX
	EXISTING HYDRANT CW VALVE
	EXISTING SANITARY MH & SEWER
	EXISTING STORM MH & SEWER
	EXISTING CATCHBASIN CW LEAD
	EXISTING CATCHBASIN MH
	EXISTING OVERHEAD WIRES
	EXISTING UTILITY POLE CW GUY
	EXISTING FENCE
	EXISTING LIGHT STANDARD
	EXISTING TREES / VEGETATION

150mmØ PVC DR18 WATERMAIN TABLE

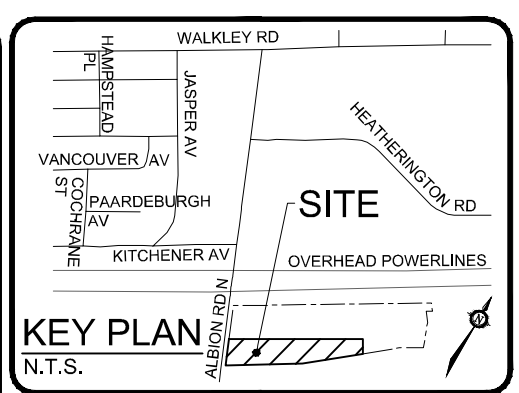
STATION	SURFACE ELEVATION	TWM ELEVATION	COMMENTS
0+00	86.63	84.03*	ROLLED TEE CONNECTION TO EXISTING 150mmØ WM
0+02.2	86.62	84.94**	22.5° VERTICAL BEND
0+02.8	86.61	84.94**	CROSSING ABOVE EX. 600mmØ WM (0.3m CLEARANCE)
0+03.4	86.60	84.94**	22.5° VERTICAL BEND
0+05.2	86.59	84.19	22.5° VERTICAL BEND
0+05.8	86.58	84.18	CROSSING BELOW EX. GAS LINE (1.4m CLEARANCE)
0+07.9	86.57	84.17	150mm V&VB @ PROPERTY LINE
0+09.4	86.59	84.19**	11.25° HORIZONTAL BEND
0+25	86.82	84.42	---
0+50	87.12	84.55**	---
0+50.9	87.13	84.55**	45° HORIZONTAL BEND
0+53.8	87.17	84.60**	45° HORIZONTAL BEND
0+59.2	87.25	84.60	CAP 1.0m FROM BUILDING FACE

* 150mmØ TEE CONNECTION TO EX. 150mmØ WM. EXACT ELEVATION TO BE FIELD DETERMINED.
 ** PROVIDE THERMAL INSULATION AS PER CITY OF OTTAWA DETAIL W23 ADJACENT TO OPEN STRUCTURES AND DETAIL W22 WHERE COVER IS LESS THAN 2.4m.

WATERMAIN NOTES:

- SUPPLY AND CONSTRUCT ALL WATERMAIN AND APPURTENANCES IN ACCORDANCE WITH THE MOST CURRENT CITY OF OTTAWA STANDARDS AND SPECIFICATIONS.
- SPECIFICATIONS:

ITEM	SPEC. NO.	REFERENCE
WATERMAIN TRENCHING	W17	CITY OF OTTAWA
THERMAL INSULATION IN SHALLOW TRENCHES	W22	CITY OF OTTAWA
THERMAL INSULATION BY OPEN STRUCTURES	W23	CITY OF OTTAWA
WATERMAIN CROSSING BELOW SEWERS	W25	CITY OF OTTAWA
WATERMAIN	W25	CITY OF OTTAWA
- EXCAVATION, INSTALLATION, BACKFILL AND RESTORATION OF ALL WATERMANS BY THE CONTRACTOR. CONNECTIONS AND SHUT-OFFS AT THE MAIN AND CHLORINATION OF THE WATER SYSTEM SHALL BE PERFORMED BY CITY OFFICIALS.
- WATERMAIN SHALL BE MINIMUM 2.4m DEPTH BELOW GRADE UNLESS OTHERWISE INDICATED.
- PROVIDE MINIMUM 0.5m CLEARANCE BETWEEN OUTSIDE OF PIPES AT ALL CROSSINGS, UNLESS OTHERWISE INDICATED.
- WATER SERVICE IS TO BE CONSTRUCTED TO WITHIN 1.0m OF FOUNDATION WALL AND CAPPED, UNLESS OTHERWISE INDICATED.



The position of all pole lines, conduits, watermains, sewers and other underground and above ground utilities and structures is not necessarily shown on the contract drawings, and where shown, the accuracy of the position of such utilities and structures is not guaranteed. Before starting work, determine the exact location of all such utilities and structures and assume all liability for damage to them.

SITE BENCHMARK
 REFERENCED TO LOCAL GEODETIC DATUM AS INDICATED ON DRAWING. SEE EXISTING VERTICAL CONTROL MONUMENT NO. 3453 (TABLE ON FOUNDATION ON SOUTHWEST CORNER OF BUILDING LOCATED AT 309 ALBION ROAD NORTH).

OWNER INFORMATION
 AHLUL-BAYT CENTRE
 OTTAWA (ABC)
 200 BARBIEU STREET
 OTTAWA, ONTARIO, K1L 7R6

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 Website: www.novatech-eng.com

1	JAN. 27, 2016	ISSUED FOR SITE PLAN APPROVAL
NO.	DATE	REVISION

S.J.L.
S. J. LAWRENCE
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DESIGNED BY: SM / FST
 CHECKED BY: FST
 DATE: JANUARY 2016
 SCALE: 1:400
 PROJECT: AHLUL-BAYT CENTRE OTTAWA

3095 ALBION ROAD NORTH
 OTTAWA, ONTARIO
 NOVATECH JOB NO.: 113093-GP

GENERAL PLAN OF SERVICES

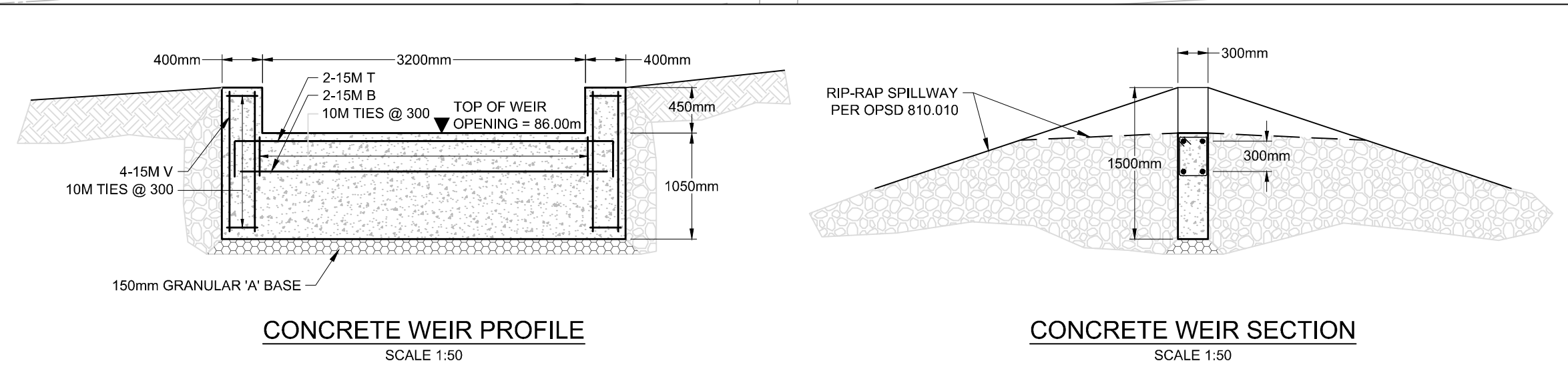
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INLET CONTROL DEVICE DATA - STM MH 5

TEMPST VORTEX ICD	DIAMETER OF OUTLET PIPE	DESIGN FLOW	DESIGN HEAD	WATER ELEVATION
IPEX LMF 95	300mm Ø	7.4 L/s	0.83 m	85.98 m

GENERAL NOTES:

- COORDINATE AND SCHEDULE ALL WORK WITH OTHER TRADES AND CONTRACTORS.
- DETERMINE THE EXACT LOCATION, SIZE, MATERIAL AND ELEVATION OF ALL EXISTING UTILITIES PRIOR TO COMMENCING CONSTRUCTION. PROTECT AND ASSUME RESPONSIBILITY FOR ALL EXISTING UTILITIES WHETHER OR NOT SHOWN ON THIS DRAWING.
- OBTAIN ALL NECESSARY PERMITS AND APPROVALS FROM THE CITY OF OTTAWA BEFORE COMMENCING CONSTRUCTION.
- BEFORE COMMENCING CONSTRUCTION OBTAIN AND PROVIDE PROOF OF COMPREHENSIVE, ALL RISK AND OPERATIONAL LIABILITY INSURANCE FOR \$2,000,000.00. INSURANCE POLICY TO NAME OWNERS, ENGINEERS AND ARCHITECTS AS CO-INSURED.
- RESTORE ALL DISTURBED AREAS ON-SITE AND OFF-SITE, INCLUDING TRENCHES AND SURFACES ON PUBLIC ROAD ALLOWANCES TO EXISTING CONDITIONS OR BETTER TO THE SATISFACTION OF THE CITY OF OTTAWA.
- REMOVE FROM SITE ALL EXCESS EXCAVATED MATERIAL UNLESS OTHERWISE INSTRUCTED BY ENGINEER, EXCAVATE AND REMOVE FROM SITE ALL ORGANIC MATERIAL AND DEBRIS.
- ALL ELEVATIONS ARE GEODETIC.
- REFER TO GEOTECHNICAL SUBSURFACE INVESTIGATION REPORT NO. P03635-1 PREPARED BY PATERSON GROUP INC. FOR SUBSURFACE CONDITIONS, CONSTRUCTION RECOMMENDATIONS, AND GEOTECHNICAL INSPECTION REQUIREMENTS. THE GEOTECHNICAL CONSULTANT IS TO REVIEW ON-SITE CONDITIONS AFTER EXCAVATION FOR ALL PARKING ACCESS/ ROADWAY ACCESS, PRIOR TO PLACEMENT OF THE GRANULAR MATERIAL.
- REFER TO THE 'DEVELOPING SERVICING STUDY AND STORMWATER MANAGEMENT REPORT' NO. R-2015-048 PREPARED BY NOVATECH.
- REFER TO ARCHITECTS DRAWING FOR BUILDING AND HARD SURFACE AREAS AND DIMENSIONS.
- SAW CUT AND KEY GRIND ASPHALT AT ALL ROAD CUTS AND ASPHALT TIE IN POINTS AS PER CITY OF OTTAWA STANDARDS (R10).
- PROVIDE LINE/PARKING PAINTING.



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