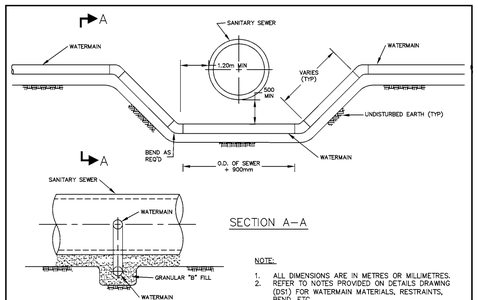
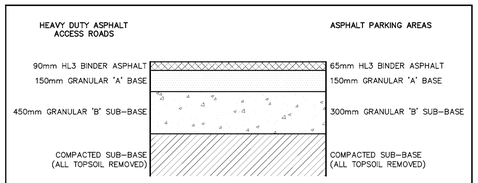


TYPICAL WATERMAIN DEFLECTION DETAIL
N.T.S.

NOTE:
1. ALL DIMENSIONS ARE IN METRES OR MILLIMETRES.
2. REFER TO NOTES PROVIDED ON DETAILS DRAWING (DS1) FOR WATERMAIN MATERIALS, RESTRAINTS, BEND, ETC.



NOTE: GEOTECHNICAL ENGINEER TO CONFIRM MATERIAL THICKNESS AND COMPACTION REQUIREMENTS.

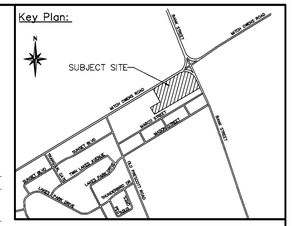
PAVEMENT CROSS-SECTIONS
N.T.S.

NOTE:
ALL PROPOSED RESTAURANTS TYPE USES REQUIRE OIL/GREASE INTERCEPTORS.

REFER TO GEOTECHNICAL INVESTIGATION PREPARED BY BAE & ASSOCIATES ENVIRONMENTAL INC. DATED AUG. 9, 2013 FOR ALL PIPE BEDDING, PAVEMENT DESIGN, ETC. DETAILS

MITCH OWENS ROAD

Key Plan:



CAUTION
CONTRACTOR TO DETERMINE LOCATION OF EXISTING UTILITIES PRIOR TO CONSTRUCTION.

REFER TO WFS DRAWING FOR ALL WATER FACILITY & FIRE STORAGE DETAILS

CRU13 TO BE INTERNALLY SERVICED W/ DOMESTIC WATER SUPPLY

PR. WELL

TRENCH DRAIN T/G 105.60 INV. 104.80

PROPOSED CRU13 ±1,180.2 m² (±12,700 ft²)

DCBMH 16 (1500mmø) T/G 106.55 SE INV.104.68 W INV.104.97 E INV. 104.80

CBMH 12 (1200mmø) C/W TIDEFLEX 250mmø CHECKMATE VALVE ON N INV. T/G 105.90 N INV. 104.43 S INV. 104.40

HYDRO TOWER

PROPOSED CRU12 ±372 m² (±4,000 ft²)

50mmø DOMESTIC WATER SERVICE

CBMH 8 (1200mmø) T/G 106.45 E INV. 105.05 SW INV. 105.00 NW INV. 105.05

EX. WELL TO BE DECOMMISSIONED

EX. WELL

CBMH 9 (1200mmø) T/G 106.49 W INV. 105.14 E INV. 105.17

PROPOSED CRU11 ±743 m² (±8,000 ft²)

CBMH 17 (1200mmø) T/G 110.58 E INV. 108.02 W INV. 108.90

MAINTENANCE ACCESS

CB 18 T/G 110.58 E INV. 109.33

INV. 106.50

WATER OBV. 103.46 STM INV. 106.07

INV. 104.87

INV. 104.18

CB 13 T/G 106.00 SW INV. 104.92

Top of Slope

MH F T/G 105.68 E INV. 103.75 W INV. 103.72 N INV. 103.77

MH G T/G 105.67 E INV. 105.04 W INV. 104.00 NE INV. 104.05

PROVIDE 0.5m (MIN.) SEPERATION BETWEEN STORM AND WATERMAIN

1-25m 200mmø & 1-25m 300mmø STEEL CASINGS CAPPED FOR PHASE 2 SERVICING

MH 14 (1200mmø) T/G 106.49 NW INV. 104.52 SW INV. 104.49 E INV. 104.46

MH E T/G 105.68 S INV. 103.33 E INV. 103.38 NW INV. 103.68

SAN OBV. 103.65 STM INV. 104.35

50mmø DOMESTIC WATER SERVICE

150mmø SPRINKLER MAIN

200mmø DRY HYDRANT MAIN

PR. HEAVY DUTY ASPHALT (TYP.) (SEE DETAIL ON THIS DRAWING)

CB 25 T/G 106.78 W INV. 105.70

CBMH 24 (1200mmø) T/G 106.78 S INV. 104.51 NE INV. 105.33 W INV. 105.57

DCBMH 15 (1500mmø) T/G 106.25 NE INV.104.55

DCBMH 11 (1500mmø) T/G 105.45 N INV. 104.30 W INV. 104.21 E INV. 104.20

SAN OBV. 103.53 STM INV. 104.08

CBMH 10 (1200mmø) T/G 105.45 W INV. 104.08 E INV. 104.07

CBMH 7 (1500mmø) T/G 105.45 NE INV. 104.38 W INV. 103.97 SE INV. 103.94

SAN OBV. 104.06 STM INV. 104.60

HYDRANT

CB 6 T/G 105.45 S INV. 104.37

SIAMESE CONNECTION

PROPOSED CRU10 ±1,859 m² (±20,000 ft²)

CBMH 5 (1800mmø) T/G 105.45 N INV. 103.75 NW INV. 103.77 E INV. 103.91 S INV. 103.72

TRENCH DRAIN T/G 104.95 INV. 104.15

CBMH 23 (1200mmø) C/W TIDEFLEX 250mmø CHECKMATE VALVE ON E INV. T/G 105.75 N INV. 104.40 E INV. 104.45 W INV. 104.45 S INV. 104.39

MH C T/G 106.68 E INV. 102.71 W INV. 102.71 S INV. 102.66

SAN OBV. 102.75 STM INV. 104.53

TRENCH DRAIN T/G 105.45 INV. 104.65

OIL/GREASE INTERCEPTOR c/w TRAFFIC LOADING SLAB (SEE DETAILS ON BIO3)

PROPOSED CRU1 ±2,920 m² (±31,400 ft²)

EXISTING TREE LINE

FUTURE ADDITION ±465 m² (±5,000 ft²)

PROPOSED CRU2-B ±1,499 m² (±16,100 ft²)

PROPOSED CRU9 ±933.5 m² (±10,000 ft²)

50mmø DOMESTIC WATER SERVICE

TRENCH DRAIN T/G 105.45 INV. 104.65

INV. 104.65

INV. 104.24

INV. 104.55

INV. 104.50

CB 27 T/G 104.95 S INV. 103.87

CBMH 26 (1200mmø) T/G 104.93 N INV. 103.55 W INV. 103.42

CONCRETE HEADWALL PER OPSD 804.030

INV. 103.30

FOR ALL SWM FACILITY SERVICE INFORMATION REFER TO THE SWM DRAWING

SWM FACILITY (DEPRESSED STORAGE BASIN)

DICB PER OPSD 705.030

CATCHBASIN WEIR

PR. OIL/GRIT SEPARATOR CDS PMSU2015_6 (OR APPROVED EQUIVALENT)

CONTROL MH 1

EX. 300mmø CULVERT @ 1.2% N INV. 103.14 S INV. 102.78

EX. 500mmø CULVERT @ 0.4% N INV. 103.42 S INV. 103.38

EX. 1000mm BOX CULVERT @ 0.7% W INV. 102.84 E INV. 102.65

MH A PUMP STATION (REFER TO DETAIL ON BIO 2) T/G 105.90 NE INV. 102.36 W INV. 104.30 SE INV. 104.40

SAN OBV. 102.67 STM INV. 104.35

PUMP STATION OVERFLOW — 16.2m-250mmø SEWER @ 0.5%

MH 22 (1200mmø) C/W TIDEFLEX 250mmø CHECKMATE VALVE ON NW INV. T/G 106.18 N INV. 104.32 NW INV. 104.32 E INV. 104.26

MH B c/w DROP STRUCTURE AS PER OPSD 1003.010 T/G 105.85 N INV. 102.48 E INV. 103.85 W INV. 102.43

CBMH 21 (1200mmø) T/G 105.75 E INV. 104.17 W INV. 104.18 N INV. 104.43

RETAINING WALL (TO BE DESIGNED BY OTHERS)

CBMH 20 (1200mmø) T/G 105.75 E INV. 103.98 W INV. 103.99

CBMH 19 (1500mmø) T/G 105.75 NE INV. 103.75 W INV. 103.80 NW INV. 104.15

CBMH 4 (1200mmø) C/W TIDEFLEX 250mmø CHECKMATE VALVE ON W INV. T/G 105.45 W INV. 104.20 SE INV. 104.15

MH 3 (1800mmø) T/G 105.75 E INV. 103.53 SW INV. 103.56 NW INV. 103.56 N INV. 103.60

MH 2 (1800mmø) C/W TIDEFLEX 250mmø CHECKMATE VALVE ON N INV. T/G 105.16 N INV. 103.79 W INV. 103.38 E INV. 103.38 S INV. 103.32

(REFER TO BIO 1 DRAWING FOR BIOFILTER & AREA BED SERVICING)

LOT 24 LOT 23 LOT 22 LOT 21 LOT 20 LOT 5 LOT 4 LOT 3 LOT 2 LOT 1

MARCO STREET

BANK STREET

Notes:

1. Unless noted otherwise, the measurements and distances shown on this drawing are shown in meters.
2. Do not scale drawings.
3. It is the contractor's responsibility to verify all dimensions, levels and datums on site and report any discrepancies or omissions to WMI & Associates Ltd. prior to construction.
4. This drawing is to be read and understood in conjunction with all other relevant documents applicable to this project.
5. This drawing is the exclusive property of WMI & Associates Ltd. and the reproduction of any part of this document without prior written consent is strictly prohibited.

Benchmark: 113.99

#3 CONCRETE MONUMENT (001196530377). NORTH SIDE OF MITCH OWENS ROAD APPROXIMATELY 250m WEST OF THE INTERSECTION OF MITCH OWENS ROAD AND BANK STREET.

REGISTERED PROFESSIONAL ENGINEER PROVINCE OF ONTARIO J.W.LIGHTHEART 100140403 Feb. 4, 2014

No.	Issue / Revision	Date
1	1st Submisson	Feb. 4, 2014

Greely Commercial Center

SITE SERVICING PLAN

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Drawn By	Checked By	Drawing No.
TG	JWL	SS
Scale 1:500	Project No. 11-183	

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