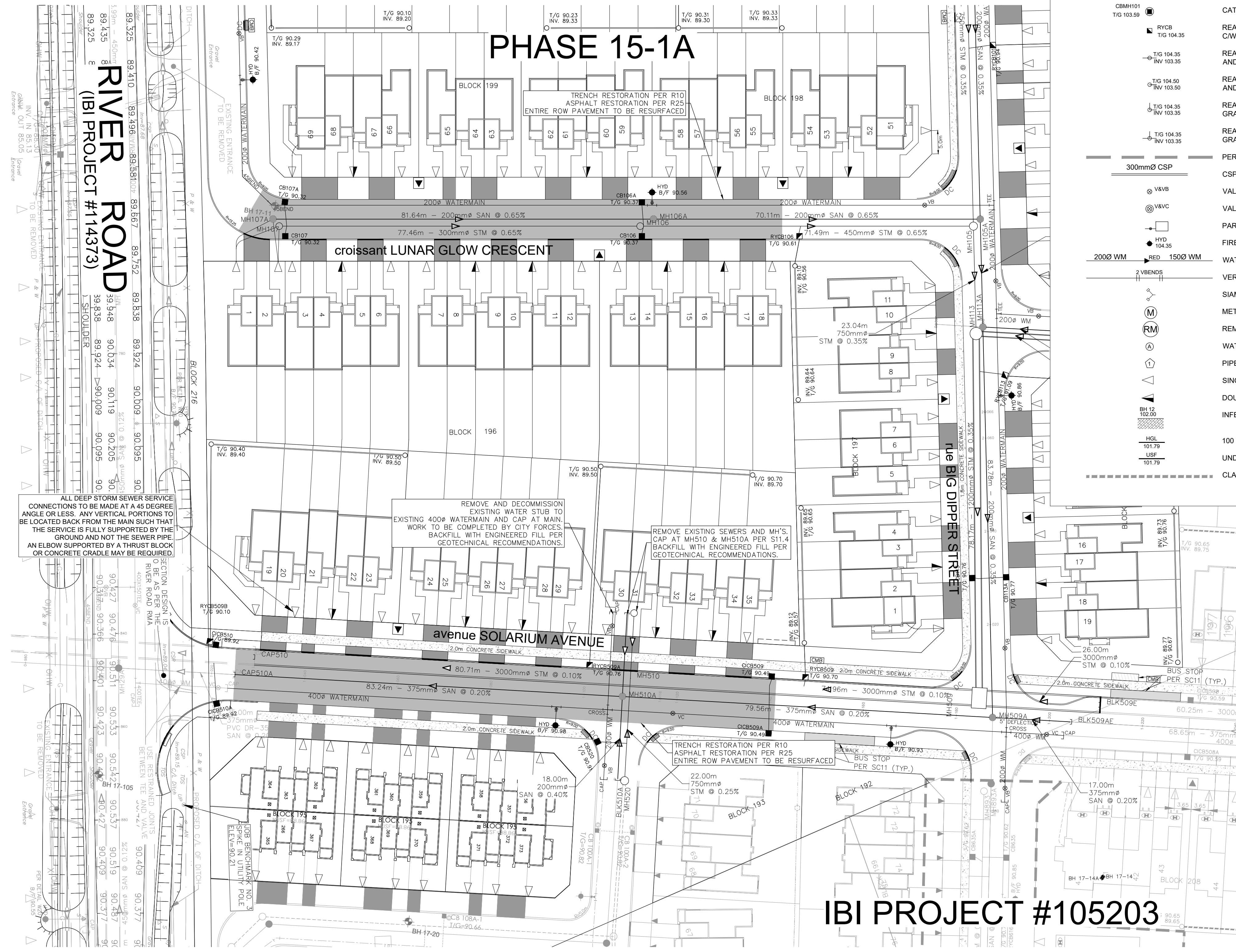


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SERVICING LEGEND

- MH118A SANITARY MANHOLE
- 200mmØ SAN SANITARY SEWER
- MH109 MH118 STORM MANHOLE
- 825mmØ STM STORM SEWER - LESS THAN 900Ø
- 900mmØ STM STORM SEWER - 900Ø AND GREATER
- 200Ø WATERMAIN WATERMAIN
- CB100 STREET CATCHBASIN C/W TOP OF GRATE
- CICB101 CURB INLET CATCHBASIN C/W GUTTER GRADE
- GG 104.25 DCB100 DOUBLE CATCHBASIN C/W TOP OF GRATE
- DCICB101 DOUBLE CURB INLET CATCHBASIN C/W GUTTER GRADE
- GG 104.25 DI101 DITCH INLET MANHOLE C/W TOP OF GRATE
- CBMH101 CATCHBASIN MANHOLE C/W TOP OF GRATE
- TIG 103.59 RYCB REAR YARD CATCHBASIN IN ROAD CONNECTING STRUCTURE C/W SOLID GRATE
- TIG 104.35 RYCB REAR YARD "TEE" CATCHBASIN (300Ø) C/W TOP OF GRATE AND INVERT OUT
- TIG 104.50 RYCB REAR YARD "END" CATCHBASIN (300Ø) C/W TOP OF GRATE AND INVERT OUT
- TIG 104.35 RYCB REAR YARD "CUSTOM ANGLED" CATCHBASIN (450Ø) C/W TOP OF GRATE AND INVERT OUT
- TIG 104.35 RYCB REAR YARD "THREE WAY" CATCHBASIN (450Ø) C/W TOP OF GRATE AND INVERT OUT
- 300mmØ CSP PERFORATED REAR YARD SUBDRAIN
- V&VB CSP CULVERT C/W DIAMETER
- V&VC VALVE AND VALVE BOX
- HYD VALVE AND VALVE CHAMBER
- HYD PARK VALVE CHAMBER C/W SERVICE POST
- HYD FIRE HYDRANT C/W BOTTOM OF FLANGE ELEVATION
- 200Ø WM 150Ø WM WATERMAIN REDUCER
- 2 VBENDS VERTICAL BEND LOCATION
- SIAMSESE CONNECTION (IF REQUIRED)
- METER (IF REQUIRED)
- RM REMOTE METER (IF REQUIRED)
- WATERMAIN IDENTIFICATION (IF REQUIRED)
- PIPE CROSSING IDENTIFICATION (IF REQUIRED)
- SINGLE SERVICE LOCATION
- DOUBLE SERVICE LOCATION
- INFERRED REFUSAL (SEE GEOTECHNICAL REPORT)
- HGL 100 YEAR STORM HYDRAULIC GRADE LINE AT MANHOLE
- USF UNDERSIDE OF FOOTING ELEVATION
- CLAY SEAL IN SEWER / WATERMAIN TRENCH

SEE 010, 011, 012 FOR NOTES, LEGEND, CB TABLE, STREET SECTIONS AND DETAILS

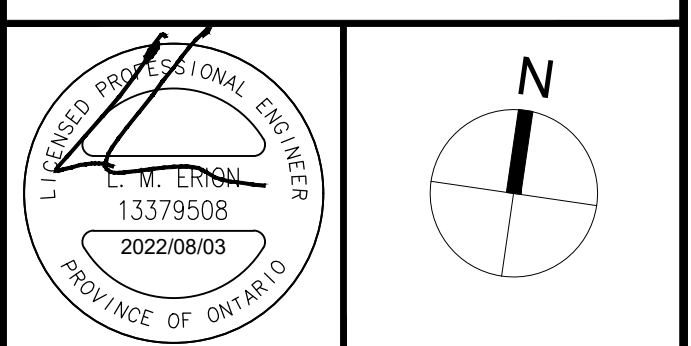


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2	REVISED PER CITY COMMENTS	L.M.E. 2022-08-03
1	SUBMISSION 1 FOR CITY REVIEW	L.M.E. 2022-07-21
No.	REVISIONS	By Date



IBI GROUP
400 - 333 Preston Street
Ottawa ON K1S 5N4 Canada
tel 613 225 1311 fax 613 225 9868
ibigroup.com

Project Title
910 SOLARIUM



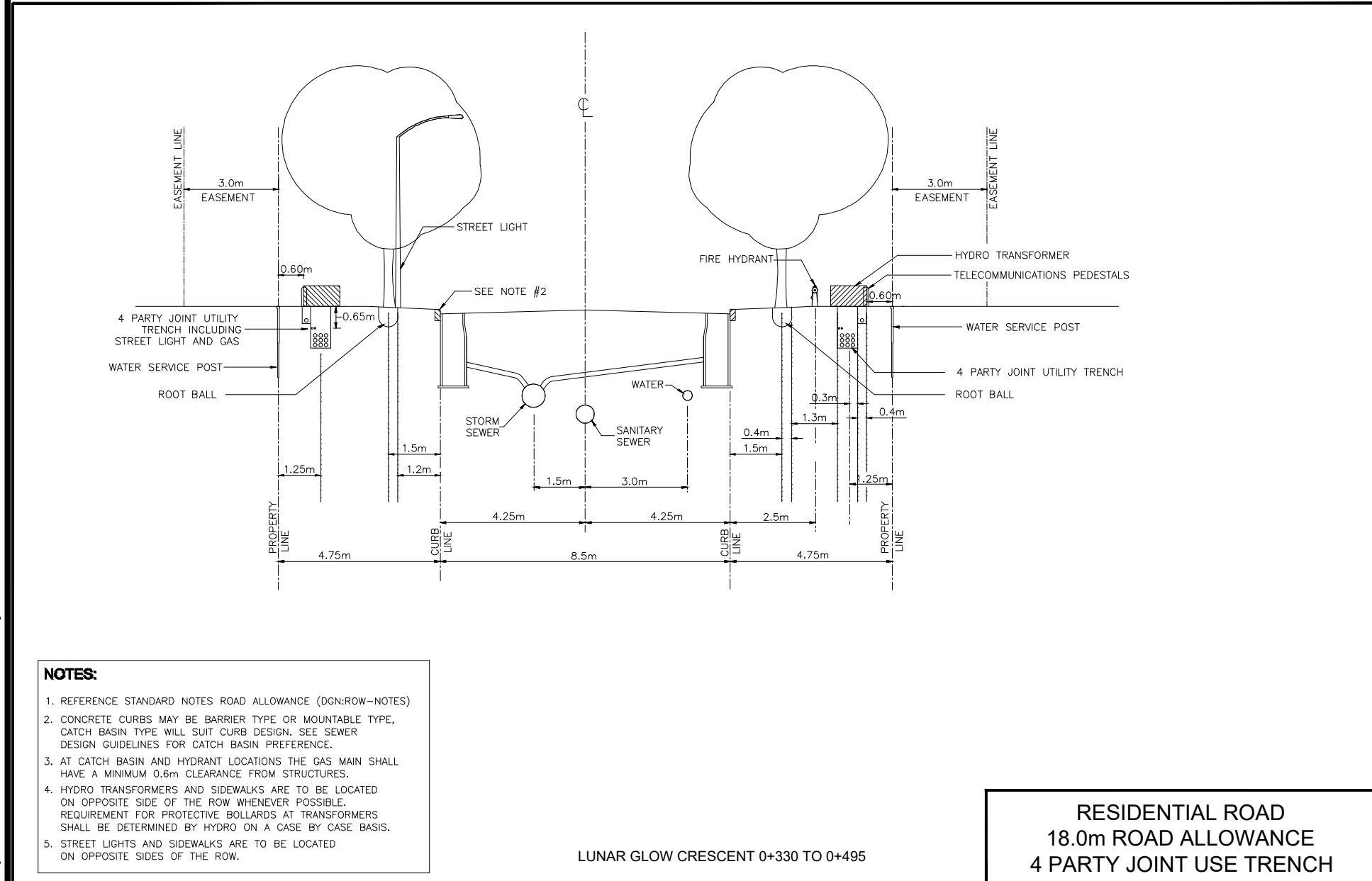
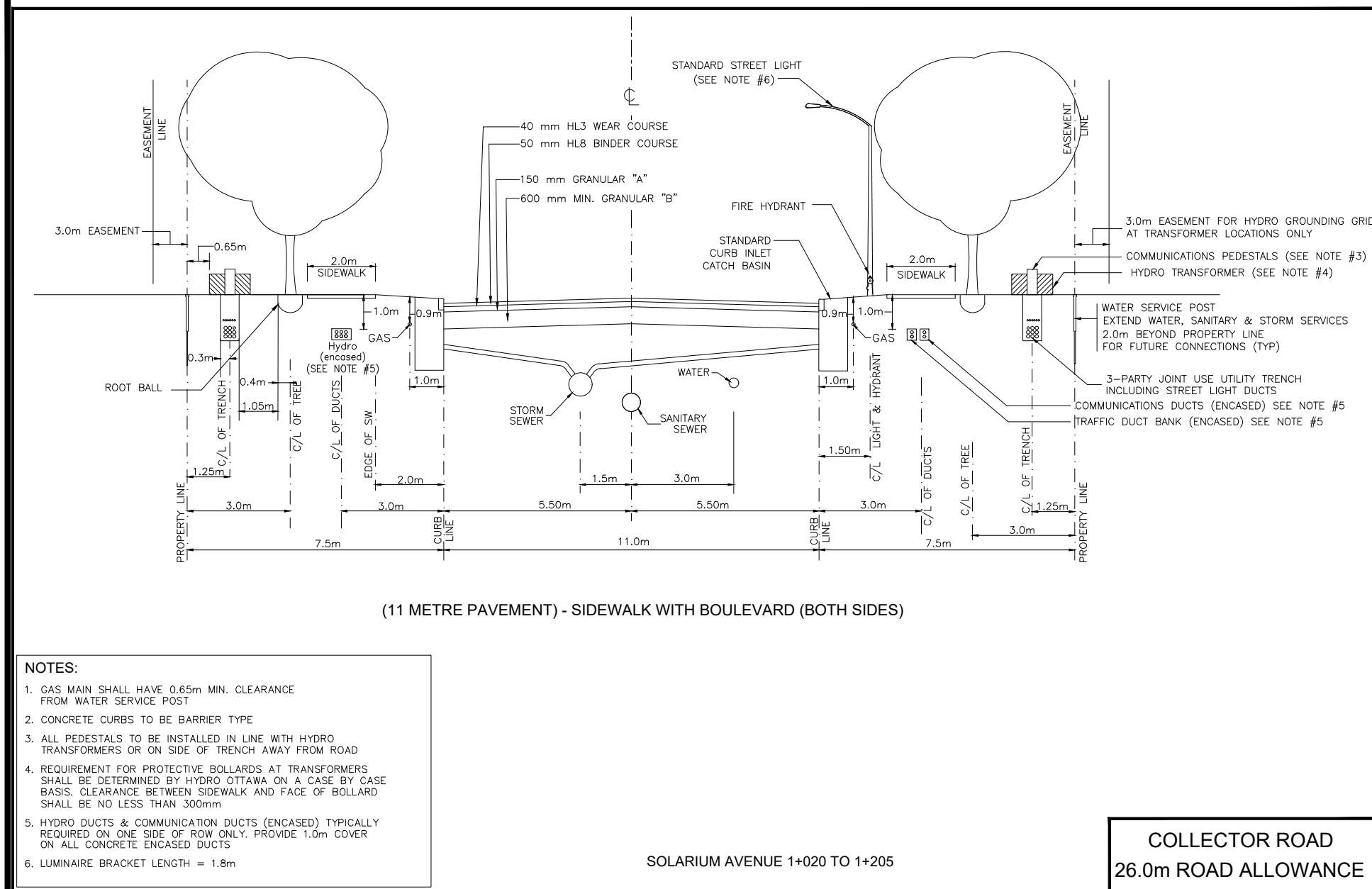
Drawing Title
GENERAL PLAN OF SERVICES

Scale
1:500

Design	L.E.	Date	2022-07-20
Drawn	C.C.	Checked	L.E.
Project No.	103291	Drawing No.	003

IBI PROJECT #105203

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NOTES:

- THE STANDARDS INDICATE MINIMUM DIMENSIONS THAT ARE TO BE INCORPORATED INTO THE DESIGN OF ANY NEW DEVELOPMENTS INVOLVING NEW AND EXISTING STREETS. ANY VARIATION TO THIS DESIGN WILL REQUIRE APPROVAL OF THE CITY OF OTTAWA.
- ALL DRAWINGS TO BE READ IN CONJUNCTION WITH APPLICABLE CITY STANDARDS.
- ALL COMPOSITE UTILITY PLANS MUST ADHERE TO THE CITY OF OTTAWA'S STANDARD LOCATION OF UTILITY PLANT DRAWINGS IN ORDER TO RECEIVE APPROVAL THROUGH THE SITE PLAN CONTROL AND SUBDIVISION APPROVALS PROCESS.
- TYPICAL CROSS SECTION BOLLARD WITH SHALL BE MAINTAINED WHEN CONSTRUCTING O.U.-DE-SACS AND CORNER LOTS REGARDLESS OF ROAD WAY SCENERY.
- WATERMANS AND HYDRANTS TO BE INSTALLED ON SOUTH AND EAST SIDE OF R.O.W. WHEN POSSIBLE.
- SANITARY AND STORM SEWERS MAY BE INSTALLED OFF THE STREET CENTERLINE TO ACCOMMODATE LARGE SIZE SEWER PIPES AND STILL MAINTAIN THE CLEARANCES REQUIRED TO WATERMANS.
- THE USE OF IN-HOUSE CATCH BASINS INSTEAD OF CURB INLET CATCH BASINS SHALL BE APPROVED BY AN AUTHORIZED CITY REPRESENTATIVE.
- THE USE OF BARRIER CURB AND MOUNTABLE CURB SHALL BE APPROVED BY AN AUTHORIZED CITY REPRESENTATIVE. MOUNTABLE CURB SHALL BE SPECIFIED FOR TYPICAL TOWNHOUSE DEVELOPMENTS.
- BUILDING SEWERS AND WATER SERVICES ARE TO BE CONSTRUCTED IN ACCORDANCE WITH CITY STANDARDS.
- SANITARY AND STORM SERVICE CONNECTIONS WILL BE EXTENDED A MINIMUM OF 2.0m BEYOND THE PROPERTY LINE TO ALLOW FOR FUTURE CONNECTION. WATER SERVICE PFC MATERIAL SHALL BE Laid IN ONE CONTINUOUS PIPE LENGTH (i.e. SPlicing AND JOINTING SHALL NOT BE PERMITTED) FROM INSIDE FACE OF THE BUILDING TO THE CURBSTOP AND FROM THE CURBSTOP TO THE MAIN / CORPORATION STOP.
- 1.5m CLEARANCE TO BE MAINTAINED AROUND WATER SERVICE POST.
- REFER TO UCC PROCEDURE MANUAL FOR UTILITY SPECIFICATION CONFORMANCE PLAN INSTALLATION.
- TRANSFORMERS AND PEDESTALS SHALL BE LOCATED BETWEEN TOWNHOUSE BUILDING BLOCKS RATHER THAN ENCROACHING AND/OR PENETRATING THE INSTALLATION OF ROAD ALLOWANCE TREES.
- ALL PEDESTALS TO BE INSTALLED IN LINE WITH HYDRO TRANSFORMERS OR ON INSIDE SIDE OF TRENCH.
- THE BASE OF A HYDRO TRANSFORMER MUST BE LOCATED A MINIMUM OF 2.0m FROM THE EDGE OF A DRIVEWAY.
- REQUIREMENTS FOR PROTECTIVE BOLLARDS AT TRANSFORMERS SHALL BE DETERMINED BY HYDRO OR HYDRO ONE ON A CASE BY CASE BASIS.
- SERVICE LATERALS MUST BE LOCATED A MINIMUM OF 3.0m FROM THE BASE OF A HYDRO TRANSFORMER.
- STREET LIGHT CABLE SHALL BE PLACED IN JOINT USE TRENCH. STREET LIGHT CABLE SHALL BE AT SAME OFFSET AS STREET LIGHTS WHEN JOINT USE TRENCH NOT CONSTRUCTED.
- TRAFFIC DUCT ALTERNATIVE PLACEMENT LOCATIONS ARE:
 1) JOINT USE TRENCH (LEFT) LOCATION OR
 2) SAME OFFSET AS STREET LIGHT POLES IN A SEPARATE TRENCH.
 OPTIONAL LOCATION FOR THE TRAFFIC COMMUNICATIONS DUCT IS A TRENCH LOCATED AT THE SAME OFFSET AS THE STREET LIGHT POLES.
- TRAFFIC ELECTRICAL DUCTS SHALL BE PLACED IN JOINT USE DUCT BANKS UNDER TO BE LOCATED IN THE BOLLARD AREA ADJACENT TO THE SIDEWALK.
- USE OF THE FOUR PARTY JOINT USE TRENCH WILL BE CONSIDERED AS AN OPTION, BUT REQUIRES THE AGREEMENT OF ALL UTILITIES PRIOR TO THE DEVELOPMENT OF THE COMPOSITE UTILITY PLAN, AND MUST BE IN CONFORMANCE WITH THE GUIDELINES ESTABLISHED BY THE OTTAWA UTILITY COORDINATING COMMITTEE.
- THE DEVELOPER SHALL SUPPLY AND INSTALL DUCTS FOR UTILITY CROSSINGS AT INTERSECTIONS.
- ONE TREE PER LOT TYPICAL. 2 TREES ON CORNER LOT WITH ONE OF THE TREES ON THE STREET SIDE OF THE LOT.
 SPECIFIC TREE SPECIES SHALL BE SELECTED FOR SOIL TYPES AND AVAILABLE SPACES FOR PLANTING.
 TREE PLACEMENT LOCATION AND TREE SPECIES WILL REQUIRE THE APPROVAL OF THE CITY.
 TREE PLANTING SHALL BE HAND EXCAVATED FOR THOSE LOCATIONS WITH LESS THAN 1 METRE CLEARANCE TO THE JET.

DATE: -
 REV: MARCH 2009
 DATE:
 DWG. No.: ROW-NOTES

Ottawa STANDARD NOTES ROAD ALLOWANCE

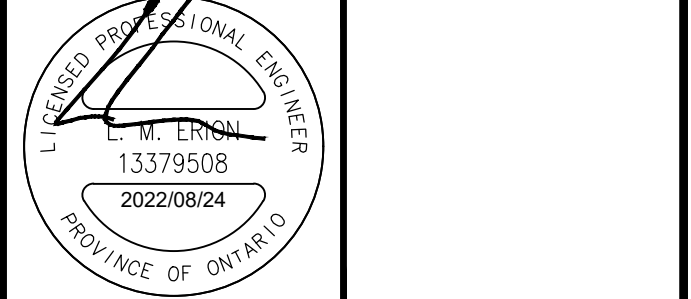
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No.	REVISIONS	By	Date

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1	REVISED PER CITY COMMENTS	L.M.E	2022-08-24
No.	REVISIONS	By	Date



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 400 - 333 Preston Street
 Ottawa ON K1S 5N4 Canada
 tel 613 225 1311 fax 613 225 9868
 ibigroup.com

Project Title
910 SOLARIUM

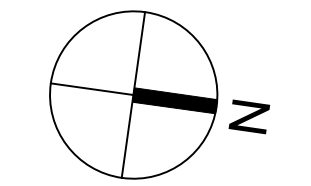
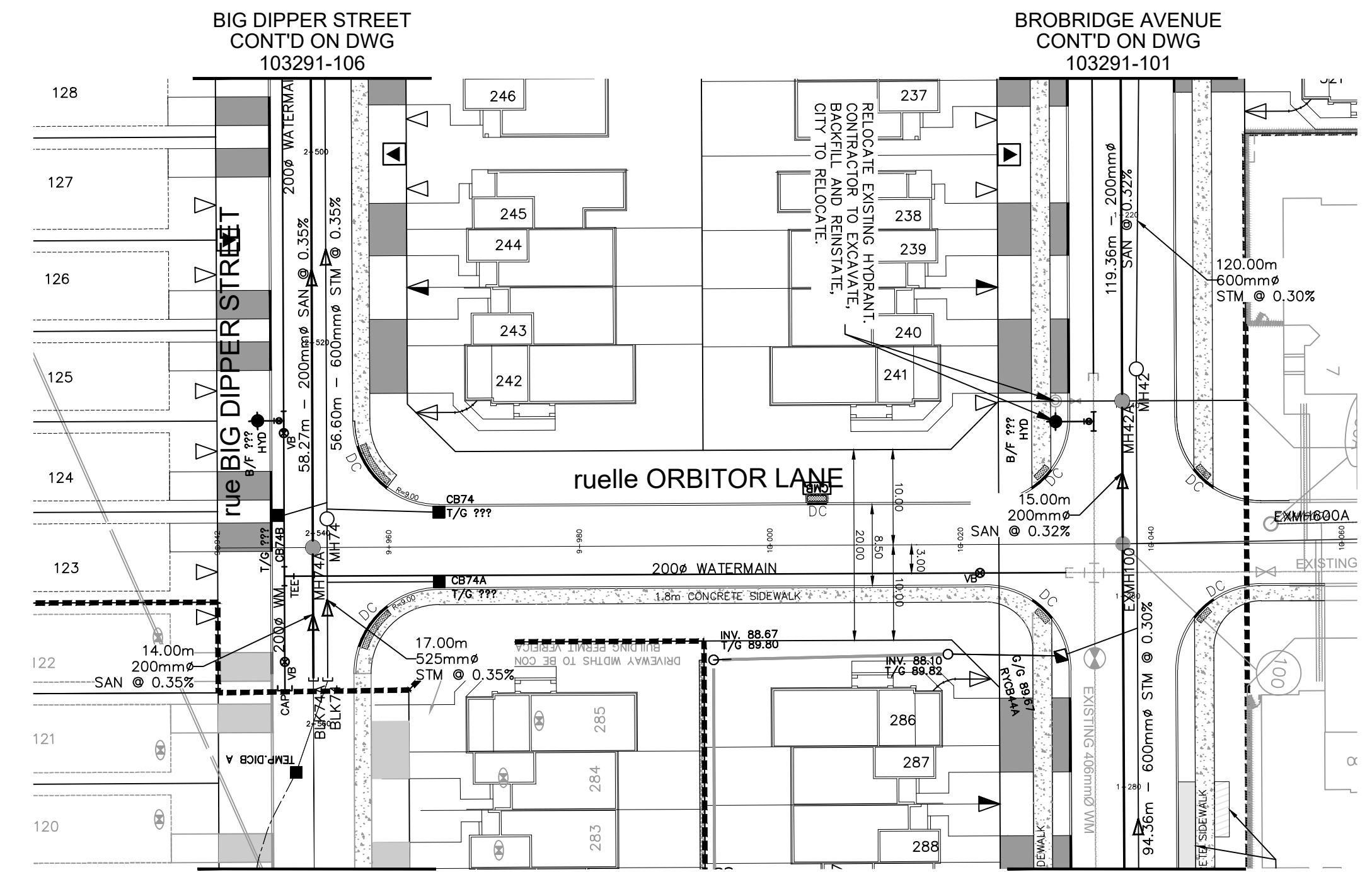
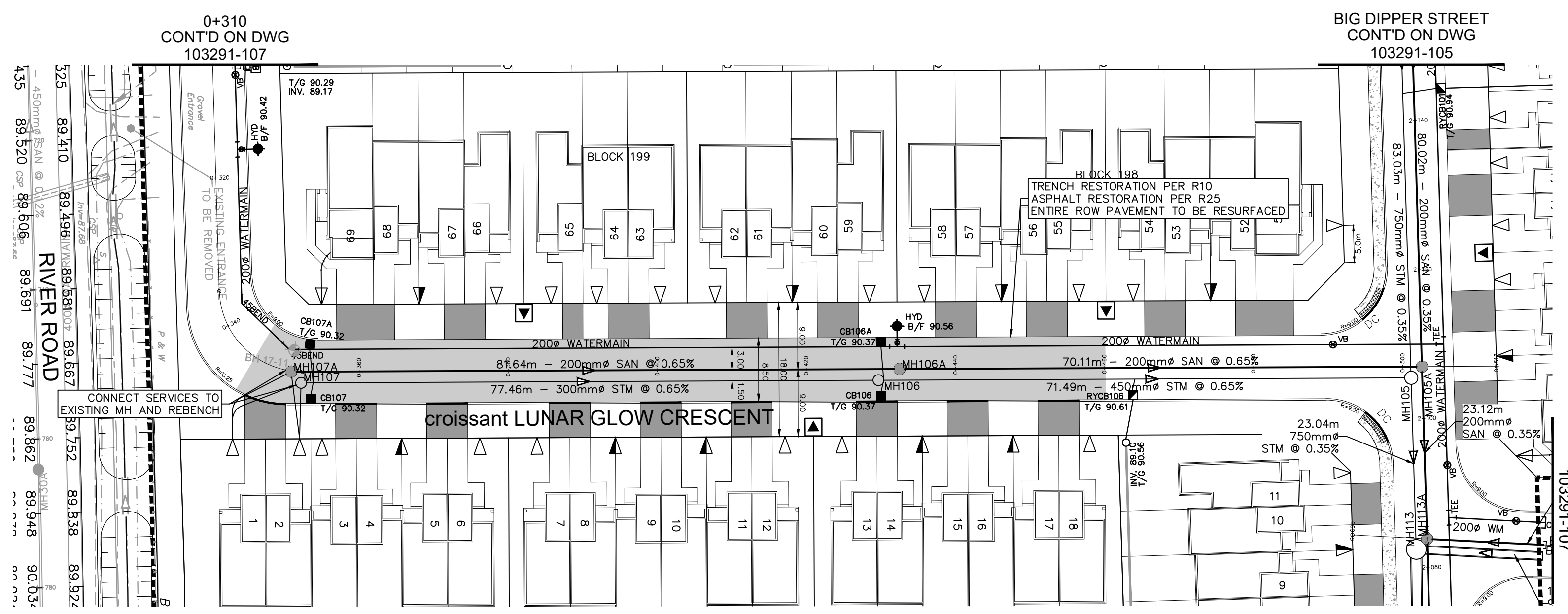


Drawing Title
STREET SECTIONS

Scale
 N.T.S.

Design	L.E.	Date	2022-07-20
Drawn	C.C.	Checked	L.E.
Project No.	103291	Drawing No.	011

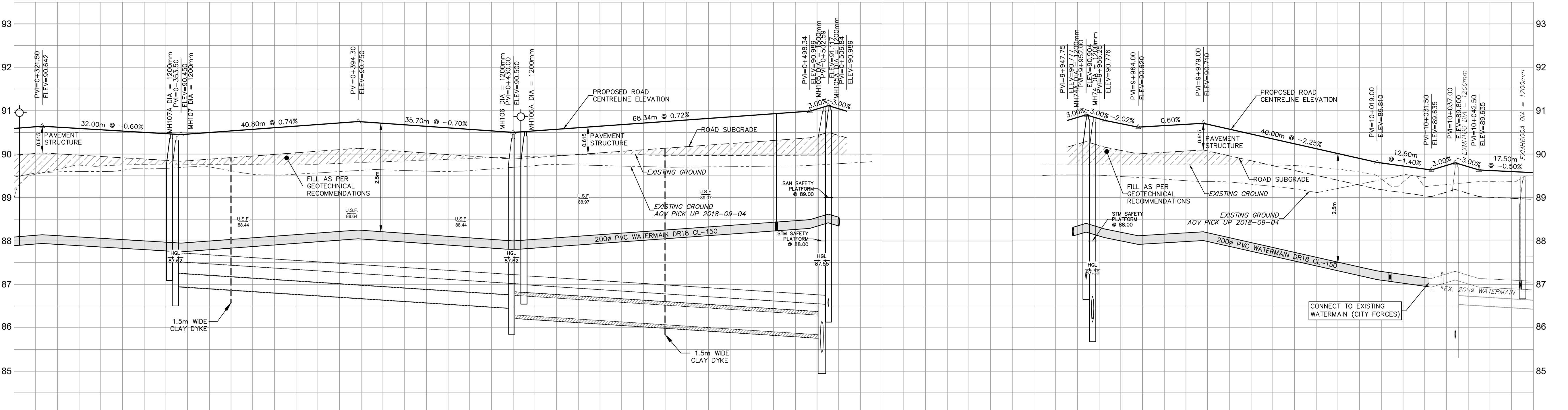
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SEE 010, 011, 012 FOR NOTES, LEGEND, CB TABLE, STREET SECTIONS AND DETAILS



No.	REVISIONS	By	Date
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10	REVISED PER CITY COMMENTS	L.M.E	2022-08-03
9	REVISED UNITS ALONG SOLARIUM AVE & LUNAR GLOW CRES	L.M.E	2022-05-13
8	MILESTONE REISSUE TO CONTRACTOR	L.M.E	2020-06-12
7	REVISED SERVICE LATERALS	L.M.E	2019-02-26
6	ISSUED FOR CONSTRUCTION	L.M.E	2018-11-23
5	REVISED PER CITY COMMENTS	L.M.E	2018-11-09
4	ISSUED FOR SEWER CONSTRUCTION	L.M.E	2018-10-15
3	REVISED PER CITY COMMENTS	L.M.E	2018-10-02
2	ISSUED FOR TENDER	L.M.E	2018-08-31
1	SUBMISSION 1 FOR CITY REVIEW	L.M.E	2018-07-13

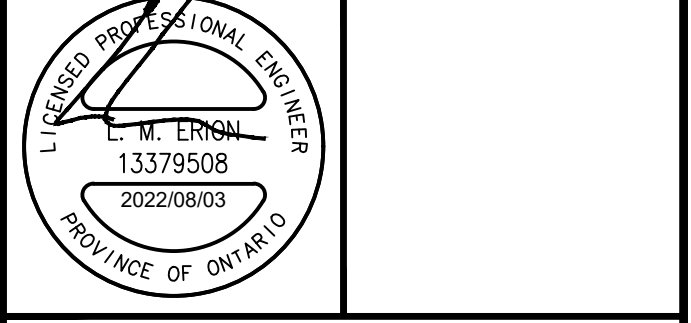


STATION	SAN SEWER INVERT	SAN SEWER INVERT	ROAD GRADE	ROAD GRADE	TOP OF WATERMAIN	TOP OF WATERMAIN	STATION
0+310	86.953E	87.950	90.530	90.530	88.100	88.100	9+940
0+320			90.531	90.531	88.130	88.130	9+940
0+330			90.531	90.531	88.142	88.142	9+940
0+340			90.531	90.531	88.031	88.031	9+940
0+350			90.531	90.531	87.950	87.950	9+940
0+360			90.531	90.531	87.998	87.998	9+940
0+380			90.531	90.531	88.145	88.145	9+940
0+400			90.531	90.531	88.250	88.250	9+940
0+420			90.531	90.531	88.210	88.210	9+940
0+440			90.531	90.531	88.070	88.070	9+940
0+460			90.531	90.531	88.000	88.000	9+940
0+480			90.531	90.531	88.072	88.072	9+940
0+500			90.531	90.531	88.215	88.215	9+940
0+510			90.531	90.531	88.356	88.356	9+940
9+940			90.531	90.531	88.434	88.434	9+940
9+960			90.531	90.531	88.469	88.469	9+960
9+980			90.531	90.531	88.539	88.539	9+980
10+000			90.531	90.531	88.617	88.617	10+000
10+020			90.531	90.531	88.544	88.544	10+020
10+040			90.531	90.531	88.749	88.749	10+040
10+060			90.531	90.531	88.737	88.737	10+060
			90.531	90.531	88.810	88.810	10+060
			90.531	90.531	88.798	88.798	10+060
			90.531	90.531	89.635	89.635	10+060
			90.531	90.531	89.800	89.800	10+060
			90.531	90.531	89.710	89.710	10+060
			90.531	90.531	89.635	89.635	10+060
			90.531	90.531	87.377	87.377	10+060
			90.531	90.531	87.296	87.296	10+060
			90.531	90.531	87.145	87.145	10+060
			90.531	90.531	87.300	87.300	10+060
			90.531	90.531	87.210	87.210	10+060
			90.531	90.531	87.135	87.135	10+060
			90.531	90.531	87.047	87.047	10+060



IBI GROUP
 400 - 333 Preston Street
 Oakville ON, K1S 5N4 Canada
 tel 613 225 1311 fax 613 225 9868
 ibigroup.com

Project Title
RIVERSIDE SOUTH
 PHASE 15 - 1A



Drawing Title
LUNAR GLOW CRESCENT & ORBITOR LANE
 0+310 TO 0+510 & 9+940 TO 10+060

Scale
 HORIZ. SCALE 1 : 500
 VERT. SCALE 1 : 50

Design	L.E.	Date	JULY 2018
Drawn	C.C.	Checked	L.E.

Project No.	103291	Drawing No.	108
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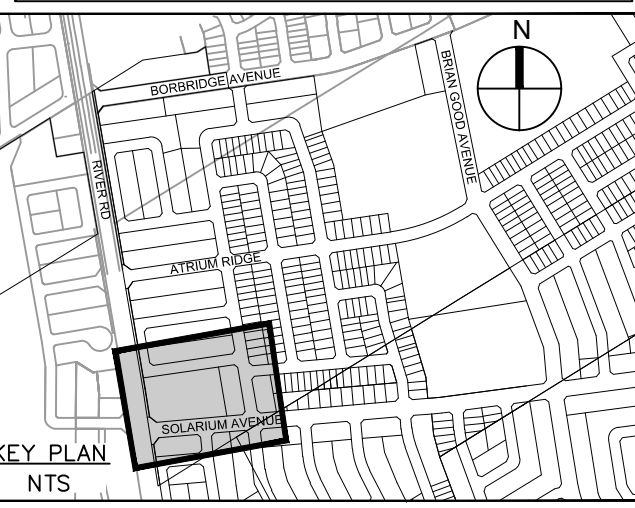
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D07-16-17-0023
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UTILITY LEGEND

- TRANSFORMER
- TRANSFORMER C/W CONCRETE WINGS
- HYDRO SWITCHGEAR
- HYDRO MANHOLE
- BELL PEDESTAL
- BELL GRADE LEVEL BOX (ø=600mm, w=1200mm, d=750mm) C/W 1.5 x 3.0m easement
- BELL FIBER CABINET (ø=1200mm, w=750mm, d=500mm)
- BELL CENTRAL SPLITTING POINTS (ø=1175mm, w=1200mm, d=500mm)
- ROGERS PEDESTAL
- ROGERS VAULT (ø=1000mm, w=1000mm, d=1200mm) C/W 1m x 2m easement
- STREET LIGHT
- STREET LIGHT DISCONNECT
- STREET LIGHT GROUNDING
- JOINT UTILITY TRENCH
- HYDRO CABLE AND DUCTS
- BELL CABLE
- BELL DUCTS
- ROGERS CABLE
- ROGERS DUCTS
- GAS
- STREET LIGHT CABLE
- UTILITY DROP LOCATIONS
- CONCRETE ENCASED DUCT BANK C/W NUMBER OF DUCTS
- COMMUNITY MAILBOX
- PROPOSED TREE LOCATION
- ROOT MANAGEMENT BARRIER
- CONSTRUCTION LIMIT

SEE 010, 011, 012 FOR NOTES, LEGEND, CB TABLE, STREET SECTIONS AND DETAILS

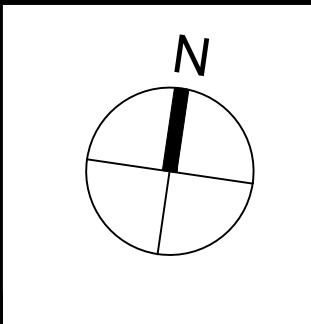
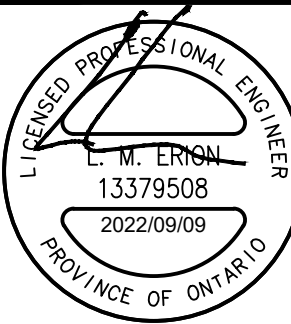


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2	REVISED PER LANDSCAPING PLAN	L.M.E.	2022-09-09
1	SUBMISSION 1 FOR CITY REVIEW	L.M.E.	2022-08-24



IBI GROUP
400 - 333 Preston Street
Ottawa ON K1S 5N4 Canada
tel 613 225 1311 fax 613 225 9868
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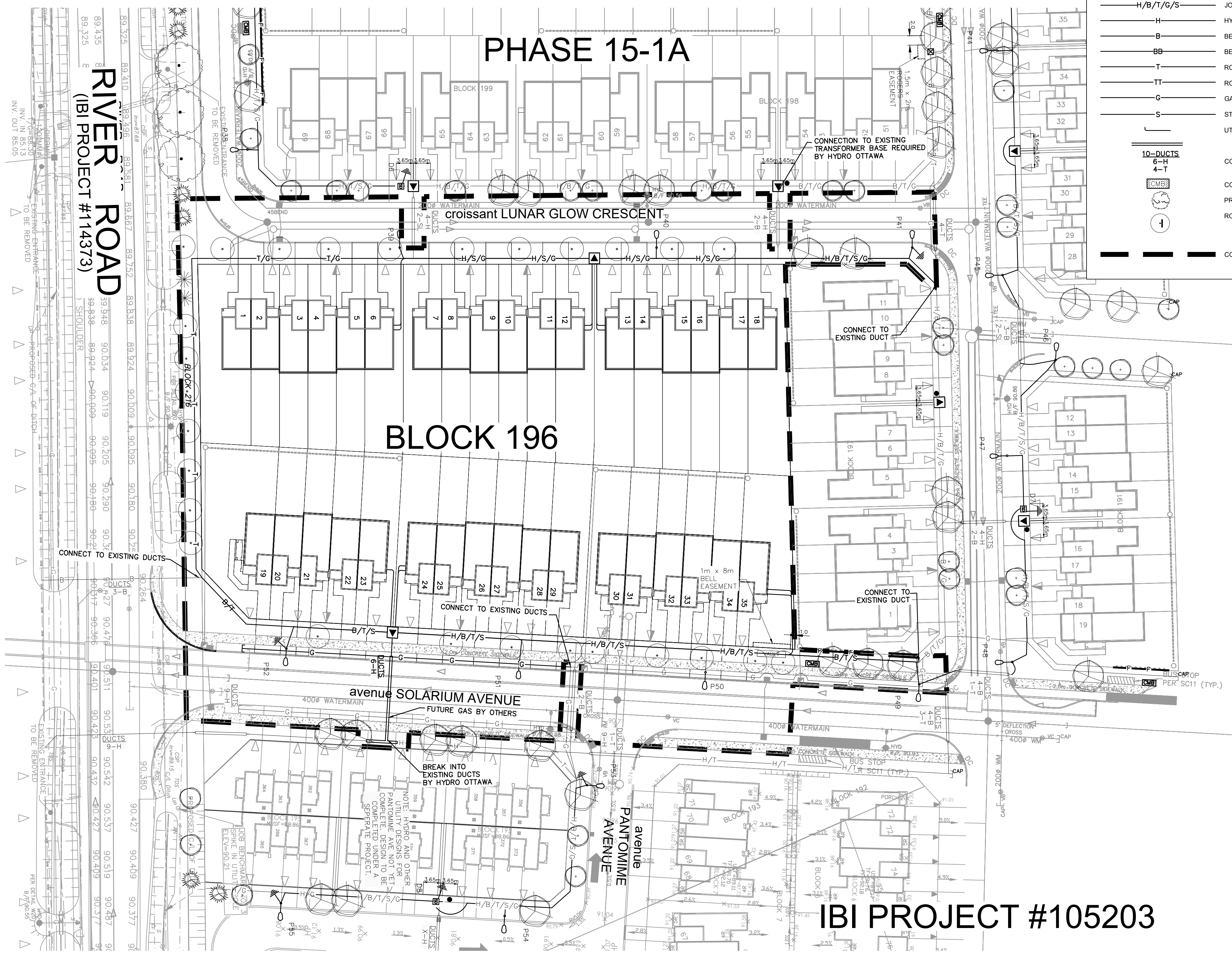
Project Title
910 SOLARIUM



Drawing Title
COMPOSITE UTILITY PLAN

Scale
1:500

Design	L.E.	Date	2022-07-20
Drawn	C.C.	Checked	L.E.
Project No.	103291	Drawing No.	304



IBI PROJECT #105203