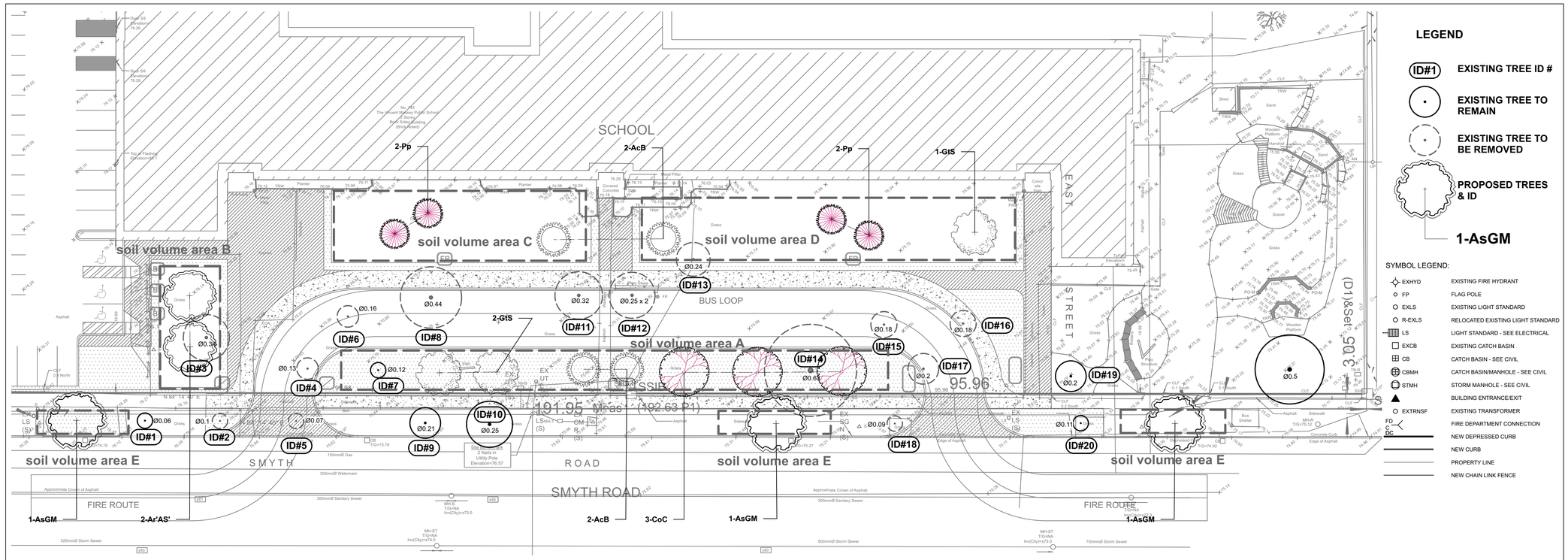


LEGEND

- ID#1 — EXISTING TREE ID #
- EXISTING TREE TO REMAIN
- EXISTING TREE TO BE REMOVED
- PROPOSED TREES & ID — 1-AsGM

SYMBOL LEGEND:

EXHYD	EXISTING FIRE HYDRANT
FP	FLAG POLE
EXLS	EXISTING LIGHT STANDARD
R-EXLS	RELOCATED EXISTING LIGHT STANDARD
LS	LIGHT STANDARD - SEE ELECTRICAL
EXCB	EXISTING CATCH BASIN
CB	CATCH BASIN - SEE CIVIL
CBMH	CATCH BASIN/MANHOLE - SEE CIVIL
STMH	STORM MANHOLE - SEE CIVIL
	BUILDING ENTRANCE/EXIT
EXTRNSF	EXISTING TRANSFORMER
FDC	FIRE DEPARTMENT CONNECTION
	NEW DEPRESSED CURB
	NEW CURB
	PROPERTY LINE
	NEW CHAIN LINK FENCE

THIS PLAN IS ISSUED FOR SITE PLAN CONTROL SUBMISSION ONLY.

ADDITIONAL DETAILING AND SPECIFICATIONS ARE REQUIRED PRIOR TO TENDERING AND CONSTRUCTION.

OTTAWA - CARLETON
DISTRICT SCHOOL BOARD

GENERAL NOTES

.1 All general site information and conditions compiled from existing plans, surveys and consultant's field notes. Report all discrepancies prior to any work. No responsibility is born by the Consultant for unknown subsurface conditions.

.2 The location of the utilities is approximate only, and the exact location should be determined by consulting the municipal authorities and utility companies concerned. The Contractor shall prove the location of utilities and shall be responsible for adequate protection from damage.

.3 All dimensions shown are to be verified on site prior to any construction. No deviations are to be made from the layouts as shown on this plan without prior consultation with the Landscape Architect and Owner.

.4 Obtain approval of Landscape Architect for granular base and layout of all pavement areas prior to construction.

.5 Stake planting locations and receive approval of Landscape Architect, prior to excavation of any planting pits. No substitutions of plant material shall be made without prior approval of the Landscape Architect.

.6 Where clay is encountered proper drainage must be ensured in tree/shrub pits, prior to planting. Have method approved by Landscape Architect.

.7 All sodded areas to receive a minimum of 150mm of topsoil over graded sub-base. If sod with mesh is used, mesh to be removed completely during sodding operations. Sod shall come from an approved source and shall be laid within 24 hours of being cut in the nursery. Only nursery sod shall be used.

.8 Final subgrade is to approved by the Landscape Architect prior to sod being laid.

.9 Maintain positive surface runoff through the entire construction period.

.10 Reinstate all areas and items damaged as a result of construction activities.

no.	revision	date
2		
1	ISSUED FOR SITE PLAN CONTROL	2022/12/16

EXISTING VEGETATION CHART
(TREES WITHI AFFECTED AREA)

IFS ASSOCIATES
P.O. Box 13593, Stn. Kanata, Ottawa, ON K2K 1X6
Telephone: (613) 838-5717
Website: www.ifsassociates.ca
Urban Forestry & Forest Management Consulting

Re: Tree Conservation Inventory for 745 Smyth Road (Vincent Massey PS)

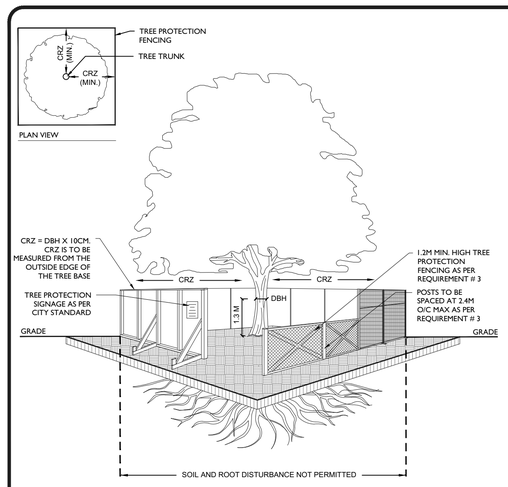
Species, ownership, diameter, condition and status of trees at 745 Smyth Road

Tree No.	Tree species	Owner-ship[1]	DBH[2] (cm)	Tree Condition; Age Class; Condition Notes; Species Origin & **Preservation Status** (to be removed or preserved and protected)
1	Red oak *(Quercus rubra)*	City	6	Poor; juvenile; entire crown heavily impacted by salt spray; within moderately restricted rooting area; native species; **to be preserved and protected**
2	Red oak *(Quercus rubra)*	City	10	Fair; maturing; central stem with competing laterals at 2.5m om northwest and 3.5m on north; lower crown salt spray impacted; within moderately restricted rooting area; native species; **to be removed** (conflicts with bus loop construction)
3	Norway maple *(Acer platanoides)*	School	34	Poor; mature; central stem with suppressed lateral at 2.5m on east – weak union; divergent leaders at 4.5m; very poor vigour – in advanced decline; introduced invasive species; **recommended for removal** (poor condition – potentially hazardous)
4	Sugar maple *(Acer saccharum)*	School	13	Good; maturing; central stem with three competing leaders at 2.75m; stem wound 0.6-1.2m on southwest healing; native species; **to be removed** (conflicts with bus loop construction)
5	Red oak *(Quercus rubra)*	City	7	Fair; juvenile; competing leaders; salt spray impacted; within moderately restricted rooting area; native species; **to be removed** (conflicts with bus loop construction)
6	Sugar maple *(Acer saccharum)*	School	16	Good; maturing; central stem for most of height; suppressed laterals starting at 1.5m; symmetric crown; native species; **to be removed** (conflicts with bus loop construction)
7	Sugar maple *(Acer saccharum)*	School	12	Fair; maturing; branch clusters diminishing stem taper; poor increment (vigour); native species; **to be preserved and protected**
8	Colorado spruce *(Pices pungens)*	School	44	Fair; mature; good pyramidal growth form; good crown density, growth increment and needle colour; introduced species; **to be removed** (conflicts with bus loop construction)

Table 1. Con't

Tree No.	Tree species	Owner-ship[1]	DBH[2] (cm)	Tree Condition; Age Class; Condition Notes; Species Origin & **Preservation Status** (to be removed or preserved and protected)
9	Hackberry *(Celtis occidentalis)*	City	21	Fair; mature; co-dominant stems at 3.5m; dense epicormic growth on lower bole; within moderately restricted rooting area; native species; **to be preserved and protected**
10	Red oak *(Quercus rubra)*	City	25	Good; mature; dominant stem for most of height; lower crown salt spray impacted; within moderately restricted rooting area; native species; **to be preserved and protected**
11	Crab apple *(Malus spp.)*	School	32	Fair; mature; main stem divergent towards northeast; 3 lower laterals previously removed; crown held high – 2.5m; poor crown density; cultivar; **to be removed** (conflicts with bus loop construction)
12	Crab apple *(Malus spp.)*	School	25 & 25	Good; mature; co-dominant stems at 0.5m – central stem with different lateral towards northwest; good crown density (sprouts); cultivar; **to be removed** (conflicts with bus loop construction)
13	Crab apple *(Malus spp.)*	School	24	Fair; mature; mildly divergent towards north; moderate basal sprouting; poor crown density; cultivar; **to be removed** (conflicts with bus loop construction)
14	Norway maple *(Acer platanoides)*	School	63	Very poor; overmature; central stem in decline – with eutypella canker *(Eutypella parasitica)* at 2.5m on south; lateral stem now dominant; introduced invasive species; **recommended for removal** (very poor condition - hazardous)
15	Sugar maple *(Acer saccharum)*	School	18	Fair; mature; co-dominant stems at 3m; symmetric crown; native species; **to be removed** (conflicts with bus loop construction)
16	Sugar maple *(Acer saccharum)*	School	20	Good; maturing; dominant central stem; symmetric crown; native species; **to be removed** (conflicts with bus loop construction)
17	Sugar maple *(Acer saccharum)*	School	16	Fair; maturing; multiple leaders at 3m; symmetric crown; native species; **to be removed** (conflicts with bus loop construction)
18	Honey-locust *(Gleditsia triacanthos)*	City	9	Fair; juvenile; within very restricted rooting area; salt spray impacted; introduced species to Eastern Ontario; **to be removed** (conflicts with bus loop construction)
19	Honey-locust *(Gleditsia triacanthos)*	School	+/-20	Good; maturing; co-dominant stems at 2.5m; located with fenced play area; introduced species to Eastern Ontario; **to be preserved and protected**
20	Honey-locust *(Gleditsia triacanthos)*	City	11	Fair; juvenile; within very restricted rooting area; salt spray impacted; introduced species to Eastern Ontario; **to be preserved and protected**

[1]As determined from topographic survey prepared by Farley, Smith & Denis Surveying Ltd.; [2]Diameter at breast height, or 1.3m from grade (unless otherwise indicated). Diameters rounded to nearest centimetre.



TREE PROTECTION REQUIREMENTS:

1. PRIOR TO ANY WORK ACTIVITY WITHIN THE CRITICAL ROOT ZONE (CRZ = 10 X DIAMETER) OF A TREE, TREE PROTECTION FENCING MUST BE INSTALLED SURROUNDING THE CRITICAL ROOT ZONE, AND REMAIN IN PLACE UNTIL THE WORK IS COMPLETE.
2. UNLESS PLANS ARE APPROVED BY CITY FORESTRY STAFF, FOR WORK WITHIN THE CRZ:
   - DO NOT PLACE ANY MATERIAL OR EQUIPMENT - INCLUDING OUTHOUSES;
   - DO NOT ATTACH ANY SIGNS, NOTICES OR POSTERS TO ANY TREE;
   - DO NOT RAISE OR LOWER THE EXISTING GRADE;
   - TUNNEL OR BORE WHEN DIGGING;
   - DO NOT DAMAGE THE ROOT SYSTEM, TRUNK, OR BRANCHES OR ANY TREE;
   - ENSURE THAT EXHAUST FUMES FROM ALL EQUIPMENT ARE NOT DIRECTED TOWARD ANY TREE CANOPY.
   - DO NOT EXTEND HARD SURFACE OR SIGNIFICANTLY CHANGE LANDSCAPING
3. TREE PROTECTION FENCING MUST BE AT LEAST 1.2M IN HEIGHT, AND CONSTRUCTED OF RIGID OR FRAMED MATERIALS (E.G. MODULOC - STEEL, PLYWOOD HOARDING, OR SNOW FENCE ON A 2"X4" WOOD FRAME) WITH POSTS 2.4M APART, SUCH THAT THE FENCE LOCATION CANNOT BE ALTERED. ALL SUPPORTS AND BRACING MUST BE PLACED OUTSIDE OF THE CRZ, AND INSTALLATION MUST MINIMISE DAMAGE TO EXISTING ROOTS. (SEE DETAIL)
4. THE LOCATION OF THE TREE PROTECTION FENCING MUST BE DETERMINED BY AN ARBORIST AND DETAILED ON ANY ASSOCIATED PLANS FOR THE SITE (E.G. TREE CONSERVATION REPORT, TREE DISCLOSURE REPORT, ETC). THE PLAN AND CONSTRUCTED FENCING MUST BE APPROVED BY CITY FORESTRY STAFF PRIOR TO THE COMMENCEMENT OF WORK.
5. IF THE FENCED TREE PROTECTION AREA MUST BE REDUCED TO FACILITATE CONSTRUCTION, MITIGATION MEASURES MUST BE PRESCRIBED BY AN ARBORIST AND APPROVED BY CITY FORESTRY STAFF. THESE MAY INCLUDE THE PLACEMENT OF PLYWOOD, WOOD CHIPS, OR STEEL PLATING OVER THE ROOTS FOR PROTECTION OR THE PROPER PRUNING AND CARE OF ROOTS WHERE ENCOUNTERED.

BY-LAWS

ALL CITY-OWNED TREES ARE PROTECTED UNDER THE MUNICIPAL TREES AND NATURAL AREAS PROTECTION BY-LAW (2006-279). WITHIN THE URBAN AREA, PRIVATELY-OWNED TREES GREATER THAN 50CM DIAMETER ON LOTS 1HA IN SIZE OR LESS, AND TREES GREATER THAN 10CM DIAMETER ON LOTS >1HA, ARE PROTECTED UNDER THE URBAN TREE CONSERVATION BY-LAW (2009-200).

ACCESSIBLE FORMATS AND COMMUNICATION SUPPORTS ARE AVAILABLE, UPON REQUEST

Ottawa

TREE PROTECTION SPECIFICATION

TO BE IMPLEMENTED FOR RETAINED TREES, BOTH ON SITE AND ON ADJACENT SITES, PRIOR TO ANY TREE REMOVAL OR SITE WORKS AND MAINTAINED FOR THE DURATION OF WORK ACTIVITIES ON SITE.

SCALE: NTS
DATE: MAY 2019
DRAWING NO.: 1 of 1

Ruhland & Associates Ltd
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Ph 613-224-4744 Fx 613-224-1131 info@rala.ca www.rala.ca

project
VINCENT MASSEY PS
BUS LOOP

745 SMYTH ROAD
OTTAWA, ON, K1G 1N9

project north — TRUE NORTH

seal — Association of Landscape Architects Ontario — Marietta Ruhland — OALA Member

drawing title
EXISTING VEGETATION AND LANDSCAPE PLAN

scale	drawn by
AS NOTED	T. FROST
date	checked by
DEC. 2022	M. RUHLAND
project number	drawing number
22-1705	L-01

CONTRACTOR TO VERIFY ALL DIMENSIONS AND NOTIFY THE ARCHITECT OF ANY DISCREPANCIES BEFORE WORK COMMENCES.
DO NOT SCALE DRAWINGS.

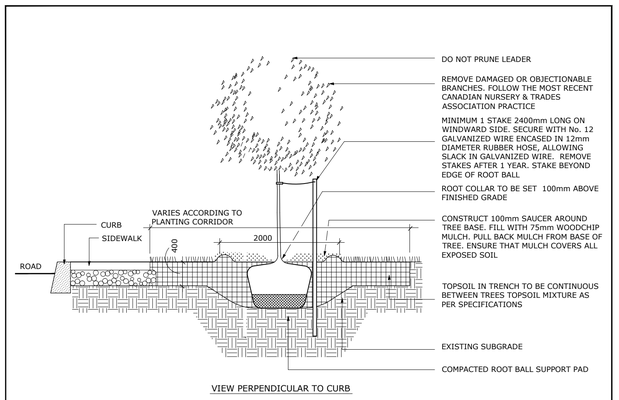
revision -

Plant List

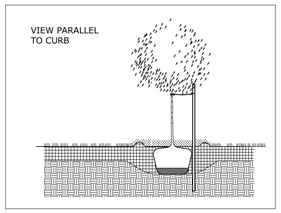
ID	Qty	Botanical Name	Common Name	Scheduled Size	Remarks
		TREES			
AcB	4	Amelanchier canadensis 'Ballerina'	Ballerina Serviceberry (tree form)	50mm dia.	WB Staked
Ar'AS'	2	Acer rubrum 'Autumn Spire'	Red Maple	70mm caliper	WB, Staked
AsGM	3	Acer saccharum 'Green Mountain'	Green Mountain(R) Sugar Maple	60mm caliper	WB Staked
CoC	3	Celtis occidentalis 'Chicagoland'	Chicagoland Hackberry	60mm dia.	WB Staked
GtS	3	Gleditsia triacanthos 'Shademaster'	Shademaster Honey Locust	60mm caliper	WB Staked
Pp	4	Picea pungens	Colorado Spruce	200 cm ht	WB Staked

NOTE: SOIL VOLUMES EXCEED CITY MINIMUM REQUIREMENTS IN ALL INSTANCES FOR PROPOSED TREE PLANTING.

Vincent Massey Bus Loop				
Soil Volume Area, Tree Quantity and Size	Tree Quantity	OTTAWA Target Soil Volume (m^3)	Design Soil Volume	Soil Adequacy percentage
AREA A - 2 ornamental trees, 2 medium trees, 3 large trees				
plant bed (448 sq m x 0.4 ave metre deep)	7	102.0	179.2	175.69%
AREA B- 2 large trees (typical)				
plant bed (124 sq m x 0.4 ave metre deep)	2	36.0	49.6	137.78%
AREA C - 1 ornamental, 2 conifer trees				
plant bed (327 sq m x 0.4 ave metre deep)	3	39.0	130.8	335.38%
AREA D - 1 ornamental, 2 conifer, 1 medium trees				
plant bed (474 sq m x 0.4 ave metre deep)	4	54.0	189.6	351.11%
AREA E - 1 large tree				
plant bed (40 sq m x 0.9 ave metre deep)	1	30.0	36.0	120.00%



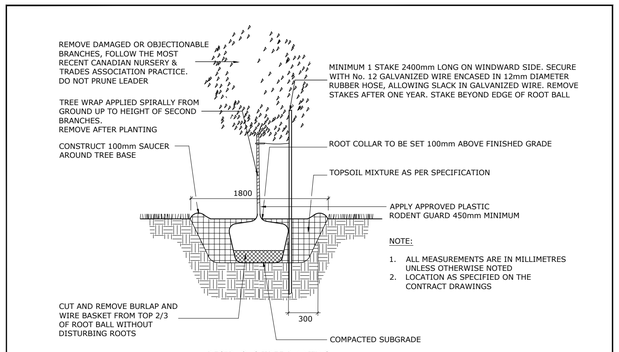
VIEW PERPENDICULAR TO CURB



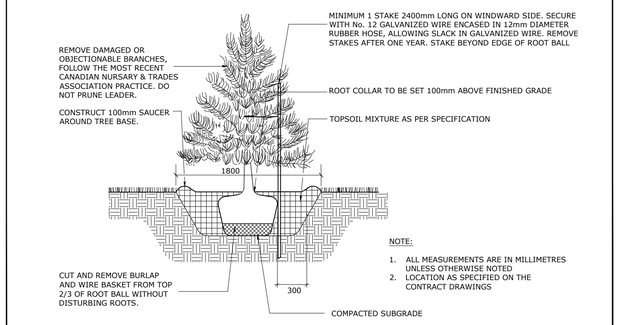
NOTES:

1. ALL MEASUREMENTS ARE IN MILLIMETRES UNLESS OTHERWISE NOTED
2. CUT AND REMOVE BURLAP AND WIRE BASKET FROM TOP 2/3 OF ROOT BALL WITHOUT DISTURBING ROOTS
3. LOCATION AS SPECIFIED ON THE CONTRACT DRAWINGS

Ottawa	TITLE: PLANTING TRENCH WELL DRAINED SOILS	DATE: MAY 2001 REV: JAN 2017 DWG No: L1



DECIDUOUS TREE PLANTING



CONIFEROUS TREE PLANTING

Ottawa	TITLE: PLANTING TRENCH WELL DRAINED SOILS (LOTS)	DATE: MAY 2001 REV: JAN 2017 DWG No: L2

OTTAWA - CARLETON
DISTRICT SCHOOL BOARD

no.	revision	date
2		
1	ISSUED FOR SITE PLAN CONTROL	2022/12/16

Ruhland & Associates Ltd
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project

VINCENT MASSEY PS BUS LOOP

745 SMYTH ROAD
OTTAWA, ON, K1G 1N9

project north

seal

ASSOCIATION OF LANDSCAPE ARCHITECTS ONTARIO
MARIETA RUHLAND
OALA MEMBER

drawing title

LANDSCAPE DETAILS

scale AS NOTED	drawn by T. FROST
date DEC. 2022	checked by M. RUHLAND
project number 22-1705	drawing number L-02

CONTRACTOR TO VERIFY ALL DIMENSIONS AND NOTIFY THE ARCHITECT OF ANY DISCREPANCIES BEFORE WORK COMMENCES.

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revision -